

NATIONAL EVALUATION OF THE STATE ENERGY PROGRAM: AN EVALUATION OF SELECT ACTIVITIES CONDUCTED UNDER THE STATE ENERGY PROGRAM

VOLUME III: APPENDIX K

**Prepared for the US Department of Energy under the Supervision
of Oak Ridge National Laboratory**

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Appendix K: Summary Tables of Detailed Energy Impacts and Customer Bill Savings

Index of Tables

Table	Statistics	Units	PY 2008 Period, All Evaluate d BPACs	PY 2008 Period, Building Retrofits	PY 2008 Period, Clean Energy Policy Support	PY 2008 Period, Loans, Grants, and Incentive s	PY 2008 Period, Technica l Assistanc e to Building Owners	ARRA Period, All Evaluate d BPACs	ARRA Period, Building Codes and Standard s	ARRA Period, Building Retrofits	ARRA Period, Loans, Grants, and Incentive s	ARRA Period, Renewab le Energy Market Develop ment
Overall Energy Savings by Fuel Type and Year	Total Estimates	Original Site	Table K-1, Page 1	Table K-82, Page 109	Table K-163, Page 214	Table K-244, Page 321	Table K-325, Page 425	Table K-406, Page 532	Table K-487, Page 655	Table K-568, Page 768	Table K-649, Page 878	Table K-730, Page 997
	Total Estimates	Source MMBtu	Table K-2, Page 3	Table K-83, Page 111	Table K-164, Page 216	Table K-245, Page 323	Table K-326, Page 427	Table K-407, Page 534	Table K-488, Page 657	Table K-569, Page 770	Table K-650, Page 880	Table K-731, Page 999
	Average per Year Estimates	Original Site	Table K-3, Page 5	Table K-84, Page 113	Table K-165, Page 218	Table K-246, Page 324	Table K-327, Page 429	Table K-408, Page 536	Table K-489, Page 659	Table K-570, Page 772	Table K-651, Page 882	Table K-732, Page 1001
	Average per Year Estimates	Source MMBtu	Table K-4, Page 7	Table K-85, Page 115	Table K-166, Page 220	Table K-247, Page 326	Table K-328, Page 431	Table K-409, Page 538	Table K-490, Page 661	Table K-571, Page 774	Table K-652, Page 884	Table K-733, Page 1003
	Row Percent Estimates	Source MMBtu	Table K-5, Page 9	Table K-86, Page 117	Table K-167, Page 222	Table K-248, Page 328	Table K-329, Page 433	Table K-410, Page 540	Table K-491, Page 663	Table K-572, Page 776	Table K-653, Page 886	Table K-734, Page 1005
	Column Percent	Source MMBtu	Table K-6, Page 11	Table K-87, Page 119	Table K-168, Page 224	Table K-249, Page 330	Table K-330, Page 435	Table K-411, Page 543	Table K-492, Page 665	Table K-573, Page 778	Table K-654, Page 888	Table K-735, Page 1007

Table	Statistics	Units	PY 2008 Period, All Evaluate d BPACs	PY 2008 Period, Building Retrofits	PY 2008 Period, Clean Energy Policy Support	PY 2008 Period, Loans, Grants, and Incentive s	PY 2008 Period, Technica l Assistanc e to Building Owners	ARRA Period, All Evaluate d BPACs	ARRA Period, Building Codes and Standard s	ARRA Period, Building Retrofits	ARRA Period, Loans, Grants, and Incentive s	ARRA Period, Renewab le Energy Market Develop ment
	Estimates		Page 10	Page 11 8	Page 22 3	Page 32 9	Page 43 4	Page 54 1	Page 66 4	Page 77 7	Page 88 7	Page 10 06
Overall Renewable Generation by Fuel Type and Year	Total Estimates	Original Site	Table K- 7, Page 11	Table K- 88, Page 11 9	Table K- 169, Page 22 4	Table K- 250, Page 33 0	Table K- 331, Page 43 5	Table K- 412, Page 54 2	Table K- 493, Page 66 5	Table K- 574, Page 77 8	Table K- 655, Page 88 8	Table K- 736, Page 10 07
	Total Estimates	Source MMBtu	Table K- 8, Page 13	Table K- 89, Page 12 1	Table K- 170, Page 22 6	Table K- 251, Page 33 2	Table K- 332, Page 43 7	Table K- 413, Page 54 4	Table K- 494, Page 66 7	Table K- 575, Page 78 0	Table K- 656, Page 89 0	Table K- 737, Page 10 09
	Average per Year Estimates	Original Site	Table K- 9, Page 14	Table K- 90, Page 12 2	Table K- 171, Page 22 7	Table K- 252, Page 33 3	Table K- 333, Page 43 8	Table K- 414, Page 54 6	Table K- 495, Page 66 8	Table K- 576, Page 78 1	Table K- 657, Page 89 2	Table K- 738, Page 10 11
	Average per Year Estimates	Source MMBtu	Table K- 10, Page 16	Table K- 91, Page 12 4	Table K- 172, Page 22 9	Table K- 253, Page 33 5	Table K- 334, Page 44 0	Table K- 415, Page 54 8	Table K- 496, Page 67 0	Table K- 577, Page 78 3	Table K- 658, Page 89 4	Table K- 739, Page 10 13
	Row Percent Estimates	Source MMBtu	Table K- 11, Page 18	Table K- 92, Page 12 5	Table K- 173, Page 23 1	Table K- 254, Page 33 6	Table K- 335, Page 44 2	Table K- 416, Page 55 0	Table K- 497, Page 67 1	Table K- 578, Page 78 4	Table K- 659, Page 89 6	Table K- 740, Page 10 15
	Column Percent	Source MMBtu	Table K- 12, Page 18	Table K- 93, Page 12 5	Table K- 174, Page 23 1	Table K- 255, Page 33 6	Table K- 336, Page 44 2	Table K- 417, Page 55 0	Table K- 498, Page 67 1	Table K- 579, Page 78 4	Table K- 660, Page 89 6	Table K- 741, Page 10 15

Table	Statistics	Units	PY 2008 Period, All Evaluate d BPACs	PY 2008 Period, Building Retrofits	PY 2008 Period, Clean Energy Policy Support	PY 2008 Period, Loans, Grants, and Incentive s	PY 2008 Period, Technica l Assistance to Building Owners	ARRA Period, All Evaluate d BPACs	ARRA Period, Building Codes and Standard s	ARRA Period, Building Retrofits	ARRA Period, Loans, Grants, and Incentive s	ARRA Period, Renewab le Energy Market Develop ment
	Estimates		Page 19	Page 12 6	Page 23 2	Page 33 7	Page 44 3	Page 55 1	Page 67 2	Page 78 5	Page 89 7	Page 10 16
SEP-Attributable Energy Savings by Fuel Type and Year	Total Estimates	Original Site	Table K-13, Page 20	Table K-94, Page 12 7	Table K-175, Page 23 3	Table K-256, Page 33 8	Table K-337, Page 44 4	Table K-418, Page 55 2	Table K-499, Page 67 3	Table K-580, Page 78 6	Table K-661, Page 89 8	Table K-742, Page 10 17
	Total Estimates	Source MMBtu	Table K-14, Page 22	Table K-95, Page 12 9	Table K-176, Page 23 5	Table K-257, Page 34 0	Table K-338, Page 44 6	Table K-419, Page 55 4	Table K-500, Page 67 5	Table K-581, Page 78 8	Table K-662, Page 90 0	Table K-743, Page 10 19
	Average per Year Estimates	Original Site	Table K-15, Page 24	Table K-96, Page 13 0	Table K-177, Page 23 6	Table K-258, Page 34 1	Table K-339, Page 44 7	Table K-420, Page 55 6	Table K-501, Page 67 7	Table K-582, Page 79 0	Table K-663, Page 90 2	Table K-744, Page 10 21
	Average per Year Estimates	Source MMBtu	Table K-16, Page 26	Table K-97, Page 13 2	Table K-178, Page 23 8	Table K-259, Page 34 3	Table K-340, Page 44 9	Table K-421, Page 55 8	Table K-502, Page 67 9	Table K-583, Page 79 2	Table K-664, Page 90 4	Table K-745, Page 10 23
	Row Percent Estimates	Source MMBtu	Table K-17, Page 28	Table K-98, Page 13 4	Table K-179, Page 24 0	Table K-260, Page 34 5	Table K-341, Page 45 1	Table K-422, Page 56 0	Table K-503, Page 68 1	Table K-584, Page 79 4	Table K-665, Page 90 6	Table K-746, Page 10 25
	Column Percent	Source MMBtu	Table K-18,	Table K-99,	Table K-180,	Table K-261,	Table K-342,	Table K-423,	Table K-504,	Table K-585,	Table K-666,	Table K-747,

Table	Statistics	Units	PY 2008 Period, All Evaluate d BPACs	PY 2008 Period, Building Retrofits	PY 2008 Period, Clean Energy Policy Support	PY 2008 Period, Loans, Grants, and Incentive s	PY 2008 Period, Technica l Assistance to Building Owners	ARRA Period, All Evaluate d BPACs	ARRA Period, Building Codes and Standard s	ARRA Period, Building Retrofits	ARRA Period, Loans, Grants, and Incentive s	ARRA Period, Renewab le Energy Market Develop ment
	Estimates		Page 29	Page 135	Page 241	Page 346	Page 452	Page 561	Page 682	Page 795	Page 907	Page 1026
SEP-Attributable Energy Savings by Sector and Year	Total Estimates	Site MMBtu	Table K-19, Page 30	Table K-100, Page 136	Table K-181, Page 242	Table K-262, Page 347	Table K-343, Page 453	Table K-424, Page 562	Table K-505, Page 683	Table K-586, Page 796	Table K-667, Page 908	Table K-748, Page 1027
	Total Estimates	Source MMBtu	Table K-20, Page 31	Table K-101, Page 137	Table K-182, Page 243	Table K-263, Page 348	Table K-344, Page 454	Table K-425, Page 564	Table K-506, Page 684	Table K-587, Page 797	Table K-668, Page 909	Table K-749, Page 1028
	Average per Year Estimates	Site MMBtu	Table K-21, Page 32	Table K-102, Page 138	Table K-183, Page 244	Table K-264, Page 349	Table K-345, Page 455	Table K-426, Page 566	Table K-507, Page 685	Table K-588, Page 798	Table K-669, Page 910	Table K-750, Page 1029
	Average per Year Estimates	Source MMBtu	Table K-22, Page 33	Table K-103, Page 139	Table K-184, Page 245	Table K-265, Page 350	Table K-346, Page 456	Table K-427, Page 567	Table K-508, Page 686	Table K-589, Page 799	Table K-670, Page 911	Table K-751, Page 1030
	Row Percent Estimates	Source MMBtu	Table K-23, Page 34	Table K-104, Page 140	Table K-185, Page 246	Table K-266, Page 351	Table K-347, Page 457	Table K-428, Page 569	Table K-509, Page 687	Table K-590, Page 800	Table K-671, Page 912	Table K-752, Page 1031
	Column Percent	Source MMBtu	Table K-24,	Table K-105,	Table K-186,	Table K-267,	Table K-348,	Table K-429,	Table K-510,	Table K-591,	Table K-672,	Table K-753,

Table	Statistics	Units	PY 2008 Period, All Evaluate d BPACs	PY 2008 Period, Building Retrofits	PY 2008 Period, Clean Energy Policy Support	PY 2008 Period, Loans, Grants, and Incentive s	PY 2008 Period, Technica l Assistance to Building Owners	ARRA Period, All Evaluate d BPACs	ARRA Period, Building Codes and Standard s	ARRA Period, Building Retrofits	ARRA Period, Loans, Grants, and Incentive s	ARRA Period, Renewab le Energy Market Develop ment
	Estimates		Page 35	Page 14 1	Page 24 7	Page 35 2	Page 45 8	Page 57 0	Page 68 8	Page 80 1	Page 91 3	Page 10 32
SEP- Attributable Energy Savings by Fuel Type and Sector	Total Estimates	Original Site	Table K- 25, Page 36	Table K- 106, Page 14 2	Table K- 187, Page 24 8	Table K- 268, Page 35 3	Table K- 349, Page 45 9	Table K- 430, Page 57 1	Table K- 511, Page 68 9	Table K- 592, Page 80 2	Table K- 673, Page 91 4	Table K- 754, Page 10 33
	Total Estimates	Source MMBtu	Table K- 26, Page 38	Table K- 107, Page 14 4	Table K- 188, Page 25 0	Table K- 269, Page 35 5	Table K- 350, Page 46 1	Table K- 431, Page 57 3	Table K- 512, Page 69 1	Table K- 593, Page 80 4	Table K- 674, Page 91 6	Table K- 755, Page 10 35
	Average per Year Estimates	Original Site	Table K- 27, Page 39	Table K- 108, Page 14 5	Table K- 189, Page 25 1	Table K- 270, Page 35 6	Table K- 351, Page 46 2	Table K- 432, Page 57 5	Table K- 513, Page 69 3	Table K- 594, Page 80 5	Table K- 675, Page 91 8	Table K- 756, Page 10 36
	Average per Year Estimates	Source MMBtu	Table K- 28, Page 41	Table K- 109, Page 14 7	Table K- 190, Page 25 3	Table K- 271, Page 35 8	Table K- 352, Page 46 4	Table K- 433, Page 57 7	Table K- 514, Page 69 5	Table K- 595, Page 80 7	Table K- 676, Page 92 0	Table K- 757, Page 10 38
	Row Percent Estimates	Source MMBtu	Table K- 29, Page 42	Table K- 110, Page 14 8	Table K- 191, Page 25 4	Table K- 272, Page 35 9	Table K- 353, Page 46 5	Table K- 434, Page 57 9	Table K- 515, Page 69 7	Table K- 596, Page 80 9	Table K- 677, Page 92 2	Table K- 758, Page 10 40
	Column Percent	Source MMBtu	Table K- 30, Page 43	Table K- 111, Page 15 1	Table K- 192, Page 26 1	Table K- 273, Page 36 1	Table K- 354, Page 47 1	Table K- 435, Page 58 1	Table K- 516, Page 70 1	Table K- 597, Page 81 1	Table K- 678, Page 93 1	Table K- 759, Page 11 1

Table	Statistics	Units	PY 2008 Period, All Evaluate d BPACs	PY 2008 Period, Building Retrofits	PY 2008 Period, Clean Energy Policy Support	PY 2008 Period, Loans, Grants, and Incentive s	PY 2008 Period, Technica l Assistanc e to Building Owners	ARRA Period, All Evaluate d BPACs	ARRA Period, Building Codes and Standard s	ARRA Period, Building Retrofits	ARRA Period, Loans, Grants, and Incentive s	ARRA Period, Renewab le Energy Market Develop ment
	Estimates		Page 43	Page 149	Page 255	Page 360	Page 466	Page 580	Page 698	Page 810	Page 923	Page 1041
SEP- Attributable Renewable Generation by Fuel Type and Year	Total Estimates	Original Site	Table K-31, Page 44	Table K-112, Page 150	Table K-193, Page 256	Table K-274, Page 361	Table K-355, Page 467	Table K-436, Page 581	Table K-517, Page 699	Table K-598, Page 811	Table K-679, Page 924	Table K-760, Page 1042
	Total Estimates	Source MMBtu	Table K-32, Page 46	Table K-113, Page 152	Table K-194, Page 258	Table K-275, Page 363	Table K-356, Page 469	Table K-437, Page 583	Table K-518, Page 701	Table K-599, Page 813	Table K-680, Page 926	Table K-761, Page 1044
	Average per Year Estimates	Original Site	Table K-33, Page 47	Table K-114, Page 153	Table K-195, Page 259	Table K-276, Page 364	Table K-357, Page 470	Table K-438, Page 585	Table K-519, Page 702	Table K-600, Page 814	Table K-681, Page 928	Table K-762, Page 1046
	Average per Year Estimates	Source MMBtu	Table K-34, Page 49	Table K-115, Page 155	Table K-196, Page 261	Table K-277, Page 366	Table K-358, Page 472	Table K-439, Page 587	Table K-520, Page 704	Table K-601, Page 816	Table K-682, Page 930	Table K-763, Page 1048
	Row Percent Estimates	Source MMBtu	Table K-35, Page 51	Table K-116, Page 156	Table K-197, Page 263	Table K-278, Page 367	Table K-359, Page 474	Table K-440, Page 589	Table K-521, Page 705	Table K-602, Page 817	Table K-683, Page 932	Table K-764, Page 1050
	Column Percent	Source MMBtu	Table K-36,	Table K-117,	Table K-198,	Table K-279,	Table K-360,	Table K-441,	Table K-522,	Table K-603,	Table K-684,	Table K-765,

Table	Statistics	Units	PY 2008 Period, All Evaluated BPACs	PY 2008 Period, Building Retrofits	PY 2008 Period, Clean Energy Policy Support	PY 2008 Period, Loans, Grants, and Incentives	PY 2008 Period, Technical Assistance to Building Owners	ARRA Period, All Evaluated BPACs	ARRA Period, Building Codes and Standards	ARRA Period, Building Retrofits	ARRA Period, Loans, Grants, and Incentives	ARRA Period, Renewable Energy Market Development
	Estimates		Page 52	Page 157	Page 264	Page 368	Page 475	Page 590	Page 706	Page 818	Page 933	Page 1051
SEP-Attributable Renewable Generation by Sector and Year	Total Estimates	Site MMBtu	Table K-37, Page 53	Table K-118, Page 158	Table K-199, Page 265	Table K-280, Page 369	Table K-361, Page 476	Table K-442, Page 591	Table K-523, Page 707	Table K-604, Page 819	Table K-685, Page 934	Table K-766, Page 1052
	Total Estimates	Source MMBtu	Table K-38, Page 54	Table K-119, Page 159	Table K-200, Page 266	Table K-281, Page 370	Table K-362, Page 477	Table K-443, Page 592	Table K-524, Page 708	Table K-605, Page 820	Table K-686, Page 935	Table K-767, Page 1053
	Average per Year Estimates	Site MMBtu	Table K-39, Page 55	Table K-120, Page 160	Table K-201, Page 267	Table K-282, Page 371	Table K-363, Page 478	Table K-444, Page 593	Table K-525, Page 709	Table K-606, Page 821	Table K-687, Page 936	Table K-768, Page 1054
	Average per Year Estimates	Source MMBtu	Table K-40, Page 56	Table K-121, Page 161	Table K-202, Page 268	Table K-283, Page 372	Table K-364, Page 479	Table K-445, Page 594	Table K-526, Page 710	Table K-607, Page 822	Table K-688, Page 937	Table K-769, Page 1055
	Row Percent Estimates	Source MMBtu	Table K-41, Page 57	Table K-122, Page 162	Table K-203, Page 269	Table K-284, Page 373	Table K-365, Page 480	Table K-446, Page 595	Table K-527, Page 711	Table K-608, Page 823	Table K-689, Page 938	Table K-770, Page 1056
	Column Percent	Source MMBtu	Table K-42, Page 57	Table K-123, Page 162	Table K-204, Page 269	Table K-285, Page 373	Table K-366, Page 480	Table K-447, Page 595	Table K-528, Page 711	Table K-609, Page 823	Table K-690, Page 938	Table K-771, Page 1056

Table	Statistics	Units	PY 2008 Period, All Evaluated BPACs	PY 2008 Period, Building Retrofits	PY 2008 Period, Clean Energy Policy Support	PY 2008 Period, Loans, Grants, and Incentives	PY 2008 Period, Technical Assistance to Building Owners	ARRA Period, All Evaluated BPACs	ARRA Period, Building Codes and Standards	ARRA Period, Building Retrofits	ARRA Period, Loans, Grants, and Incentives	ARRA Period, Renewable Energy Market Development
	Estimates		Page 58	Page 163	Page 270	Page 374	Page 481	Page 596	Page 712	Page 824	Page 939	Page 1057
SEP-Attributable Renewable Generation by Fuel Type and Sector	Total Estimates	Original Site	Table K-43, Page 59	Table K-124, Page 164	Table K-205, Page 271	Table K-286, Page 375	Table K-367, Page 482	Table K-448, Page 597	Table K-529, Page 713	Table K-610, Page 825	Table K-691, Page 940	Table K-772, Page 1058
	Total Estimates	Source MMBtu	Table K-44, Page 61	Table K-125, Page 166	Table K-206, Page 273	Table K-287, Page 377	Table K-368, Page 484	Table K-449, Page 599	Table K-530, Page 715	Table K-611, Page 827	Table K-692, Page 942	Table K-773, Page 1060
	Average per Year Estimates	Original Site	Table K-45, Page 62	Table K-126, Page 167	Table K-207, Page 274	Table K-288, Page 378	Table K-369, Page 485	Table K-450, Page 601	Table K-531, Page 716	Table K-612, Page 828	Table K-693, Page 944	Table K-774, Page 1062
	Average per Year Estimates	Source MMBtu	Table K-46, Page 64	Table K-127, Page 169	Table K-208, Page 276	Table K-289, Page 380	Table K-370, Page 487	Table K-451, Page 603	Table K-532, Page 718	Table K-613, Page 830	Table K-694, Page 946	Table K-775, Page 1064
	Row Percent Estimates	Source MMBtu	Table K-47, Page 65	Table K-128, Page 170	Table K-209, Page 277	Table K-290, Page 381	Table K-371, Page 488	Table K-452, Page 605	Table K-533, Page 719	Table K-614, Page 831	Table K-695, Page 948	Table K-776, Page 1066
	Column Percent	Source MMBtu	Table K-48,	Table K-129,	Table K-210,	Table K-291,	Table K-372,	Table K-453,	Table K-534,	Table K-615,	Table K-696,	Table K-777,

Table	Statistics	Units	PY 2008 Period, All Evaluate d BPACs	PY 2008 Period, Building Retrofits	PY 2008 Period, Clean Energy Policy Support	PY 2008 Period, Loans, Grants, and Incentive s	PY 2008 Period, Technica l Assistance to Building Owners	ARRA Period, All Evaluate d BPACs	ARRA Period, Building Codes and Standard s	ARRA Period, Building Retrofits	ARRA Period, Loans, Grants, and Incentive s	ARRA Period, Renewab le Energy Market Develop ment
	Estimates		Page 66	Page 17 1	Page 27 8	Page 38 2	Page 48 9	Page 60 6	Page 72 0	Page 83 2	Page 94 9	Page 10 67
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Year	Total Estimates	Original Site	Table K-49, Page 67	Table K-130, Page 17 2	Table K-211, Page 27 9	Table K-292, Page 38 3	Table K-373, Page 49 0	Table K-454, Page 60 7	Table K-535, Page 72 1	Table K-616, Page 83 3	Table K-697, Page 95 0	Table K-778, Page 10 68
	Total Estimates	Source MMBtu	Table K-50, Page 69	Table K-131, Page 17 4	Table K-212, Page 28 1	Table K-293, Page 38 5	Table K-374, Page 49 2	Table K-455, Page 60 9	Table K-536, Page 72 3	Table K-617, Page 83 5	Table K-698, Page 95 2	Table K-779, Page 10 70
	Average per Year Estimates	Original Site	Table K-51, Page 71	Table K-132, Page 17 6	Table K-213, Page 28 3	Table K-294, Page 38 7	Table K-375, Page 49 4	Table K-456, Page 61 1	Table K-537, Page 72 5	Table K-618, Page 83 7	Table K-699, Page 95 4	Table K-780, Page 10 72
	Average per Year Estimates	Source MMBtu	Table K-52, Page 73	Table K-133, Page 17 8	Table K-214, Page 28 5	Table K-295, Page 38 9	Table K-376, Page 49 6	Table K-457, Page 61 3	Table K-538, Page 72 7	Table K-619, Page 83 9	Table K-700, Page 95 6	Table K-781, Page 10 74
	Row Percent Estimates	Source MMBtu	Table K-53, Page 75	Table K-134, Page 18 0	Table K-215, Page 28 7	Table K-296, Page 39 1	Table K-377, Page 49 8	Table K-458, Page 61 5	Table K-539, Page 72 9	Table K-620, Page 84 1	Table K-701, Page 95 8	Table K-782, Page 10 76
	Column Percent	Source MMBtu	Table K-54, Page 75	Table K-135, Page 18 1	Table K-216, Page 28 8	Table K-297, Page 39 2	Table K-378, Page 49 9	Table K-459, Page 61 6	Table K-540, Page 72 0	Table K-621, Page 84 2	Table K-702, Page 95 9	Table K-783, Page 10 77

Table	Statistics	Units	PY 2008 Period, All Evaluate d BPACs	PY 2008 Period, Building Retrofits	PY 2008 Period, Clean Energy Policy Support	PY 2008 Period, Loans, Grants, and Incentive s	PY 2008 Period, Technica l Assistance to Building Owners	ARRA Period, All Evaluate d BPACs	ARRA Period, Building Codes and Standard s	ARRA Period, Building Retrofits	ARRA Period, Loans, Grants, and Incentive s	ARRA Period, Renewab le Energy Market Develop ment
	Estimates		Page 76	Page 181	Page 288	Page 392	Page 499	Page 616	Page 730	Page 842	Page 959	Page 1077
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and Year	Total Estimates	Site MMBtu	Table K-55, Page 77	Table K-136, Page 182	Table K-217, Page 289	Table K-298, Page 393	Table K-379, Page 500	Table K-460, Page 617	Table K-541, Page 731	Table K-622, Page 843	Table K-703, Page 960	Table K-784, Page 1078
	Total Estimates	Source MMBtu	Table K-56, Page 78	Table K-137, Page 183	Table K-218, Page 290	Table K-299, Page 394	Table K-380, Page 501	Table K-461, Page 619	Table K-542, Page 733	Table K-623, Page 844	Table K-704, Page 961	Table K-785, Page 1079
	Average per Year Estimates	Site MMBtu	Table K-57, Page 79	Table K-138, Page 184	Table K-219, Page 291	Table K-300, Page 395	Table K-381, Page 502	Table K-462, Page 621	Table K-543, Page 735	Table K-624, Page 845	Table K-705, Page 963	Table K-786, Page 1080
	Average per Year Estimates	Source MMBtu	Table K-58, Page 80	Table K-139, Page 185	Table K-220, Page 292	Table K-301, Page 396	Table K-382, Page 503	Table K-463, Page 622	Table K-544, Page 736	Table K-625, Page 846	Table K-706, Page 964	Table K-787, Page 1081
	Row Percent Estimates	Source MMBtu	Table K-59, Page 81	Table K-140, Page 186	Table K-221, Page 293	Table K-302, Page 397	Table K-383, Page 504	Table K-464, Page 624	Table K-545, Page 737	Table K-626, Page 847	Table K-707, Page 966	Table K-788, Page 1082
	Column Percent	Source MMBtu	Table K-60, Page 81	Table K-141, Page 186	Table K-222, Page 293	Table K-303, Page 397	Table K-384, Page 504	Table K-465, Page 624	Table K-546, Page 737	Table K-627, Page 847	Table K-708, Page 966	Table K-789, Page 1082

Table	Statistics	Units	PY 2008 Period, All Evaluated BPACs	PY 2008 Period, Building Retrofits	PY 2008 Period, Clean Energy Policy Support	PY 2008 Period, Loans, Grants, and Incentives	PY 2008 Period, Technical Assistance to Building Owners	ARRA Period, All Evaluated BPACs	ARRA Period, Building Codes and Standards	ARRA Period, Building Retrofits	ARRA Period, Loans, Grants, and Incentives	ARRA Period, Renewable Energy Market Development
	Estimates		Page 82	Page 187	Page 294	Page 398	Page 505	Page 625	Page 738	Page 848	Page 967	Page 1083
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector	Total Estimates	Original Site	Table K-61, Page 83	Table K-142, Page 188	Table K-223, Page 295	Table K-304, Page 399	Table K-385, Page 506	Table K-466, Page 626	Table K-547, Page 739	Table K-628, Page 849	Table K-709, Page 968	Table K-790, Page 1084
	Total Estimates	Source MMBtu	Table K-62, Page 85	Table K-143, Page 190	Table K-224, Page 297	Table K-305, Page 401	Table K-386, Page 508	Table K-467, Page 628	Table K-548, Page 741	Table K-629, Page 851	Table K-710, Page 970	Table K-791, Page 1086
	Average per Year Estimates	Original Site	Table K-63, Page 86	Table K-144, Page 191	Table K-225, Page 298	Table K-306, Page 402	Table K-387, Page 509	Table K-468, Page 630	Table K-549, Page 743	Table K-630, Page 853	Table K-711, Page 972	Table K-792, Page 1088
	Average per Year Estimates	Source MMBtu	Table K-64, Page 88	Table K-145, Page 193	Table K-226, Page 300	Table K-307, Page 404	Table K-388, Page 511	Table K-469, Page 632	Table K-550, Page 745	Table K-631, Page 855	Table K-712, Page 974	Table K-793, Page 1090
	Row Percent Estimates	Source MMBtu	Table K-65, Page 90	Table K-146, Page 195	Table K-227, Page 302	Table K-308, Page 406	Table K-389, Page 513	Table K-470, Page 634	Table K-551, Page 747	Table K-632, Page 857	Table K-713, Page 976	Table K-794, Page 1092
	Column Percent	Source MMBtu	Table K-66,	Table K-147,	Table K-228,	Table K-309,	Table K-390,	Table K-471,	Table K-552,	Table K-633,	Table K-714,	Table K-795,

Table	Statistics	Units	PY 2008 Period, All Evaluate d BPACs	PY 2008 Period, Building Retrofits	PY 2008 Period, Clean Energy Policy Support	PY 2008 Period, Loans, Grants, and Incentive s	PY 2008 Period, Technica l Assistanc e to Building Owners	ARRA Period, All Evaluate d BPACs	ARRA Period, Building Codes and Standard s	ARRA Period, Building Retrofits	ARRA Period, Loans, Grants, and Incentive s	ARRA Period, Renewab le Energy Market Develop ment
	Estimates		Page 91	Page 196	Page 303	Page 407	Page 514	Page 636	Page 749	Page 859	Page 978	Page 1094
SEP- Attributable Bill Savings by Fuel Type and Year	Total Estimates	Thousand 2009 Dollars	Table K-67, Page 92	Table K-148, Page 197	Table K-229, Page 304	Table K-310, Page 408	Table K-391, Page 515	Table K-472, Page 638	Table K-553, Page 751	Table K-634, Page 861	Table K-715, Page 980	Table K-796, Page 1096
	Row Percent Estimates	Thousand 2009 Dollars	Table K-68, Page 93	Table K-149, Page 198	Table K-230, Page 305	Table K-311, Page 409	Table K-392, Page 516	Table K-473, Page 639	Table K-554, Page 752	Table K-635, Page 862	Table K-716, Page 981	Table K-797, Page 1097
	Column Percent Estimates	Thousand 2009 Dollars	Table K-69, Page 94	Table K-150, Page 199	Table K-231, Page 306	Table K-312, Page 410	Table K-393, Page 517	Table K-474, Page 640	Table K-555, Page 753	Table K-636, Page 863	Table K-717, Page 982	Table K-798, Page 1098
	Total per SEP- Attributa ble Energy Estimates	2009 Dollars Per Energy in Original Site Units	Table K-70, Page 95	Table K-151, Page 200	Table K-232, Page 307	Table K-313, Page 411	Table K-394, Page 518	Table K-475, Page 641	Table K-556, Page 754	Table K-637, Page 864	Table K-718, Page 983	Table K-799, Page 1099
	Total per SEP- Attributa ble Energy	2009 Dollars Per Energy in Source	Table K-71, Page 97	Table K-152, Page 202	Table K-233, Page 309	Table K-314, Page 413	Table K-395, Page 520	Table K-476, Page 643	Table K-557, Page 756	Table K-638, Page 866	Table K-719, Page 985	Table K-800, Page 1101

Table	Statistics	Units	PY 2008 Period, All Evaluate d BPACs	PY 2008 Period, Building Retrofits	PY 2008 Period, Clean Energy Policy Support	PY 2008 Period, Loans, Grants, and Incentive s	PY 2008 Period, Technica l Assistance to Building Owners	ARRA Period, All Evaluate d BPACs	ARRA Period, Building Codes and Standard s	ARRA Period, Building Retrofits	ARRA Period, Loans, Grants, and Incentive s	ARRA Period, Renewab le Energy Market Develop ment
	Estimates	MMBtu Units										
SEP- Attributable Bill Savings by Sector and Year	Total Estimates	Thousand 2009 Dollars	Table K-72, Page 98	Table K-153, Page 203	Table K-234, Page 310	Table K-315, Page 414	Table K-396, Page 521	Table K-477, Page 644	Table K-558, Page 757	Table K-639, Page 867	Table K-720, Page 986	Table K-801, Page 1102
	Row Percent Estimates	Thousand 2009 Dollars	Table K-73, Page 99	Table K-154, Page 204	Table K-235, Page 311	Table K-316, Page 415	Table K-397, Page 522	Table K-478, Page 645	Table K-559, Page 758	Table K-640, Page 868	Table K-721, Page 987	Table K-802, Page 1103
	Column Percent Estimates	Thousand 2009 Dollars	Table K-74, Page 100	Table K-155, Page 205	Table K-236, Page 312	Table K-317, Page 416	Table K-398, Page 523	Table K-479, Page 646	Table K-560, Page 759	Table K-641, Page 869	Table K-722, Page 988	Table K-803, Page 1104
	Total per SEP- Attributa ble Energy Estimates	2009 Dollars Per Energy in Site MMBtu Units	Table K-75, Page 101	Table K-156, Page 206	Table K-237, Page 313	Table K-318, Page 417	Table K-399, Page 524	Table K-480, Page 647	Table K-561, Page 760	Table K-642, Page 870	Table K-723, Page 989	Table K-804, Page 1105
	Total per SEP- Attributa ble Energy in	2009 Dollars Per Energy in	Table K-76, Page 102	Table K-157, Page 207	Table K-238, Page 314	Table K-319, Page 418	Table K-400, Page 525	Table K-481, Page 648	Table K-562, Page 761	Table K-643, Page 871	Table K-724, Page 990	Table K-805, Page 1106

Table	Statistics	Units	PY 2008 Period, All Evaluate d BPACs	PY 2008 Period, Building Retrofits	PY 2008 Period, Clean Energy Policy Support	PY 2008 Period, Loans, Grants, and Incentive s	PY 2008 Period, Technica l Assistance to Building Owners	ARRA Period, All Evaluate d BPACs	ARRA Period, Building Codes and Standard s	ARRA Period, Building Retrofits	ARRA Period, Loans, Grants, and Incentive s	ARRA Period, Renewab le Energy Market Develop ment
	Energy Estimates	Source MMBtu Units										
SEP-Attributable Bill Savings by Fuel Type and Sector	Total Estimates	Thousand 2009 Dollars	Table K-77, Page 10 3	Table K-158, Page 20 8	Table K-239, Page 31 5	Table K-320, Page 41 9	Table K-401, Page 52 6	Table K-482, Page 64 9	Table K-563, Page 76 2	Table K-644, Page 87 2	Table K-725, Page 99 1	Table K-806, Page 11 07
	Row Percent Estimates	Thousand 2009 Dollars	Table K-78, Page 10 4	Table K-159, Page 20 9	Table K-240, Page 31 6	Table K-321, Page 42 0	Table K-402, Page 52 7	Table K-483, Page 65 0	Table K-564, Page 76 3	Table K-645, Page 87 3	Table K-726, Page 99 2	Table K-807, Page 11 08
	Column Percent Estimates	Thousand 2009 Dollars	Table K-79, Page 10 5	Table K-160, Page 21 0	Table K-241, Page 31 7	Table K-322, Page 42 1	Table K-403, Page 52 8	Table K-484, Page 65 1	Table K-565, Page 76 4	Table K-646, Page 87 4	Table K-727, Page 99 3	Table K-808, Page 11 09
	Total per SEP-Attributable Energy Estimates	2009 Dollars Per Energy in Original Site Units	Table K-80, Page 10 6	Table K-161, Page 21 1	Table K-242, Page 31 8	Table K-323, Page 42 2	Table K-404, Page 52 9	Table K-485, Page 65 2	Table K-566, Page 76 5	Table K-647, Page 87 5	Table K-728, Page 99 4	Table K-809, Page 11 10
	Total per SEP-Attributable	2009 Dollars Per Energy in	Table K-81, Page 10 8	Table K-162, Page 21 3	Table K-243, Page 32 0	Table K-324, Page 42 4	Table K-405, Page 53 1	Table K-486, Page 65 4	Table K-567, Page 76 7	Table K-648, Page 87 7	Table K-729, Page 99 6	Table K-810, Page 11 12

Table	Statistics	Units	PY 2008 Period, All Evaluate d BPACs	PY 2008 Period, Building Retrofits	PY 2008 Period, Clean Energy Policy Support	PY 2008 Period, Loans, Grants, and Incentive s	PY 2008 Period, Technica l Assistanc e to Building Owners	ARRA Period, All Evaluate d BPACs	ARRA Period, Building Codes and Standard s	ARRA Period, Building Retrofits	ARRA Period, Loans, Grants, and Incentive s	ARRA Period, Renewab le Energy Market Develop ment
	Energy Estimates	Source MMBtu Units										

Table K-1 PY 2008 Period BPAC, Total Over All Evaluated BPACs
Overall Energy Savings by Fuel Type and Year, Total Estimates, in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	25,705 (22,240)	268,114 (314,074)	2,050,080* (3,182,106)	3,942,780 (4,670,840)	7,479,750 (5,550,152)	7,479,024 (5,550,151)	34,904,040 (30,097,303)	5,568,333 (5,426,688)	36,564* (51,512)	2,861 (3,413)	61,757,250 (44,841,762)
Natural Gas, Units=KTherms	1,172 (1,178)	4,263 (2,994)	41,810* (55,472)	125,330* (178,514)	274,531* (405,187)	274,502* (405,187)	1,917,015* (2,837,906)	1,242,573* (1,849,312)	1,808* (2,303)	383* (509)	3,883,385* (5,730,437)
Oil, Units=KTherms	-	-	22* (34)	45* (68)	100* (152)	100* (152)	699* (1,061)	633* (960)	-	-	1,599* (2,425)
Propane, Units=KTherms	-	3 (4)	3 (4)	5 (5)	8 (8)	8 (8)	56 (58)	41 (50)	-	-	124 (131)
Kerosene, Units=KTherms	-	-	-	-	-	-	2* (3)	2* (3)	-	-	5* (7)
Wood, Units=Site MMBtu	-	-	-1,224* (1,946)	530* (3,297)	7,902* (13,979)	7,902* (13,979)	55,311* (97,854)	51,108* (95,854)	-	-	121,529* (224,883)
Diesel, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	3,572 (4,222)	3,572 (4,222)	3,572 (4,222)	3,572 (4,222)	2,845 (3,363)	2,551 (3,015)	7,641 (9,032)	-	-	-	27,324 (32,296)
Other, Units=Site MMBtu	-	81 (96)	37,287* (56,438)	30,186* (45,665)	47,412* (71,796)	47,412* (71,796)	331,803* (502,575)	264,005* (400,472)	-	-	758,186* (1,148,742)

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Total,			11,218,30	26,025,58	53,044,00	53,038,35	311,269,4	143,639,9			600,142,7
Units=Site		1,345,068	5	8	2	1	37	04*			18
MMBtu	208,459	(1,022,776	(8,827,902	(18,422,11	(54,287,13	(54,287,13	(377,650,2	(180,109,4	305,547*	48,056*	(678,988,4
	(190,527)	)	)	5)	8)	3)	53)	62)	(406,110)	(62,191)	64)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-2 PY 2008 Period BPAC, Total Over All Evaluated BPACs
Overall Energy Savings by Fuel Type and Year, Total Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	292,941 (253,447)	3,055,447 (3,579,213)	23,362,876* (36,263,533)	44,932,239 (53,229,271)	85,239,828 (63,249,973)	85,231,550 (63,249,963)	397,769,234 (342,991,271)	63,457,163 (61,842,969)	416,681* (587,032)	32,602 (38,896)	703,790,562 (511,020,310)
Natural Gas	122,684 (123,363)	446,298 (313,504)	4,377,484* (5,807,874)	13,122,046* (18,690,462)	28,743,361* (42,423,046)	28,740,347* (42,423,044)	200,711,461* (297,128,758)	130,097,393* (193,622,984)	189,284* (241,173)	40,095* (53,285)	406,590,452* (599,976,801)
Oil	-	-	2,236* (3,392)	4,495* (6,819)	10,091* (15,307)	10,091* (15,307)	70,637* (107,150)	63,906* (96,940)	-	-	161,457* (244,915)
Propane	-	313 (370)	322 (370)	533 (498)	809 (839)	809 (839)	5,624 (5,853)	4,124 (5,035)	-	-	12,534 (13,218)
Kerosene	-	-	-	9* (13)	31* (47)	31* (47)	215* (326)	206* (313)	-	-	491* (745)
Wood	-	-	-1,224* (1,946)	530* (3,297)	7,902* (13,979)	7,902* (13,979)	55,311* (97,854)	51,108* (95,854)	-	-	121,529* (224,883)
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	3,607 (4,264)	3,607 (4,264)	3,607 (4,264)	3,607 (4,264)	2,874 (3,397)	2,577 (3,045)	7,718 (9,122)	-	-	-	27,597 (32,619)
Other	-	81 (96)	37,287* (56,438)	30,186* (45,665)	47,412* (71,796)	47,412* (71,796)	331,803* (502,575)	264,005* (400,472)	-	-	758,186* (1,148,742)
Total	419,233 (371,031)	3,505,746 (3,498,203)	27,782,588 (33,197,822)	58,093,645 (48,673,357)	114,052,307 (95,502,241)	114,040,718 (95,502,229)	598,952,004 (621,805,869)	193,937,906 (185,010,271)	605,965* (828,201)	72,697* (91,354)	1,111,462,809 (1,002,682,242)

Note:



Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-3 PY 2008 Period BPAC, Total Over All Evaluated BPACs
Overall Energy Savings by Fuel Type and Year, Average per Year Estimates, in Original Site Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	2008-2050	25,705 (22,240)	268,114 (314,074)	2,050,080* (3,182,106)	3,942,780 (4,670,840)	7,479,750 (5,550,152)	7,479,024 (5,550,151)	4,986,291 (4,299,615)	556,833 (542,669)	3,656* (5,151)	286 (341)	1,436,215 (1,042,832)
Natural Gas, Units=KTherms	2008-2050	1,172 (1,178)	4,263 (2,994)	41,810* (55,472)	125,330* (178,514)	274,531* (405,187)	274,502* (405,187)	273,859* (405,415)	124,257* (184,931)	181* (230)	38* (51)	90,311* (133,266)
Oil, Units=KTherms	2010-2027	-	-	22* (34)	45* (68)	100* (152)	100* (152)	100* (152)	90* (137)	-	-	89* (135)
Propane, Units=KTherms	2009-2027	-	3 (4)	3 (4)	5 (5)	8 (8)	8 (8)	8 (8)	6 (7)	-	-	7 (7)
Kerosene, Units=KTherms	2011-2027	-	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	2010-2029	-	-	-1,224* (1,946)	530* (3,297)	7,902* (13,979)	7,902* (13,979)	7,902* (13,979)	5,679* (10,650)	-	-	6,076* (11,244)
Diesel, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	2008-2017	3,572 (4,222)	3,572 (4,222)	3,572 (4,222)	3,572 (4,222)	2,845 (3,363)	2,551 (3,015)	1,910 (2,258)	-	-	-	2,732 (3,230)
Other, Units=Site	2009-2027	-	81 (96)	37,287* (56,438)	30,186* (45,665)	47,412* (71,796)	47,412* (71,796)	47,400* (71,796)	37,715* (57,210)	-	-	39,905* (60,460)

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
MMBtu												
Total, Units=Site MMBtu	2008- 2050	208,459 (190,527)	1,345,068 (1,022,776)	11,218,305 (8,827,902)	26,025,588 (18,422,115)	53,044,002 (54,287,138)	53,038,351 (54,287,133)	44,467,062 (53,950,036)	14,363,990* (18,010,946)	30,555* (40,611)	4,806* (6,219)	13,956,807 (15,790,429)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-4 PY 2008 Period BPAC, Total Over All Evaluated BPACs
Overall Energy Savings by Fuel Type and Year, Average per Year Estimates, in Source MMBtu Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	2008-2050	292,941 (253,447)	3,055,447 (3,579,213)	23,362,876* (36,263,533)	44,932,239 (53,229,271)	85,239,828 (63,249,973)	85,231,550 (63,249,963)	56,824,176 (48,998,753)	6,345,716 (6,184,297)	41,668* (58,703)	3,260 (3,890)	16,367,222 (11,884,193)
Natural Gas	2008-2050	122,684 (123,363)	446,298 (313,504)	4,377,484* (5,807,874)	13,122,046* (18,690,462)	28,743,361* (42,423,046)	28,740,347* (42,423,044)	28,673,066* (42,446,965)	13,009,739* (19,362,298)	18,928* (24,117)	4,009* (5,328)	9,455,592* (13,952,949)
Oil	2010-2027	-	-	2,236* (3,392)	4,495* (6,819)	10,091* (15,307)	10,091* (15,307)	10,091* (15,307)	9,129* (13,849)	-	-	8,970* (13,606)
Propane	2009-2027	-	313 (370)	322 (370)	533 (498)	809 (839)	809 (839)	803 (836)	589 (719)	-	-	660 (696)
Kerosene	2011-2027	-	-	-	9* (13)	31* (47)	31* (47)	31* (47)	29* (45)	-	-	29* (44)
Wood	2010-2029	-	-	-1,224* (1,946)	530* (3,297)	7,902* (13,979)	7,902* (13,979)	7,902* (13,979)	5,679* (10,650)	-	-	6,076* (11,244)
Diesel	n/a	-	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-	-
Gasoline	2008-2017	3,607 (4,264)	3,607 (4,264)	3,607 (4,264)	3,607 (4,264)	2,874 (3,397)	2,577 (3,045)	1,929 (2,280)	-	-	-	2,760 (3,262)
Other	2009-2027	-	81 (96)	37,287* (56,438)	30,186* (45,665)	47,412* (71,796)	47,412* (71,796)	47,400* (71,796)	37,715* (57,210)	-	-	39,905* (60,460)
Total	2008-2050	419,233 (371,031)	3,505,746 (3,498,203)	27,782,588 (33,197,822)	58,093,645 (48,673,357)	114,052,307 (95,502,241)	114,040,718 (95,502,229)	85,564,572 (88,829,410)	19,393,791 (18,501,027)	60,597* (82,820)	7,270* (9,135)	25,847,972 (23,318,192)

Note:



Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-5 PY 2008 Period BPAC, Total Over All Evaluated BPACs
Overall Energy Savings by Fuel Type and Year, Row Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	-	0.4% (0.5%)	3.3%* (5.0%)	6.4% (6.8%)	12.1% (0.2%)	12.1% (0.2%)	56.5% (19.9%)	9.0% (7.5%)	0.1%* (0.1%)	-	100.0% (0.0%)
Natural Gas	-	0.1%* (0.2%)	1.1% (0.2%)	3.2% (0.2%)	7.1% (0.0%)	7.1% (0.0%)	49.4% (0.3%)	32.0% (0.4%)	-	-	100.0% (0.0%)
Oil	-	-	1.4% (0.0%)	2.8% (0.0%)	6.3% (0.0%)	6.3% (0.0%)	43.8% (0.0%)	39.6% (0.0%)	-	-	100.0% (0.0%)
Propane	-	2.5% (3.0%)	2.6% (3.0%)	4.2% (1.8%)	6.5% (0.3%)	6.5% (0.3%)	44.9% (1.4%)	32.9% (9.7%)	-	-	100.0% (0.0%)
Kerosene	-	-	-	1.7% (0.0%)	6.3% (0.0%)	6.3% (0.0%)	43.8% (0.0%)	42.0% (0.0%)	-	-	100.0% (0.0%)
Wood	-	-	-1.0%* (2.7%)	0.4%* (2.0%)	6.5% (0.7%)	6.5% (0.7%)	45.5% (4.7%)	42.1% (1.3%)	-	-	100.0% (0.0%)
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	13.1% (0.0%)	13.1% (0.0%)	13.1% (0.0%)	13.1% (0.0%)	10.4% (0.0%)	9.3% (0.0%)	28.0% (0.0%)	-	-	-	100.0% (0.0%)
Other	-	-	4.9% (0.0%)	4.0% (0.0%)	6.3% (0.0%)	6.3% (0.0%)	43.8% (0.0%)	34.8% (0.1%)	-	-	100.0% (0.0%)
Total	-	0.3%* (0.5%)	2.5%* (3.8%)	5.2% (5.2%)	10.3% (1.4%)	10.3% (1.4%)	53.9% (10.8%)	17.4% (1.6%)	0.1%* (0.1%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-6 PY 2008 Period BPAC, Total Over All Evaluated BPACs
Overall Energy Savings by Fuel Type and Year, Column Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	69.9% (7.6%)	87.2% (17.1%)*	84.1% (34.1%)*	77.3% (38.3%)*	74.7% (22.0%)	74.7% (22.0%)	66.4% (18.1%)	32.7%* (44.0%)	68.8% (2.9%)	44.8% (9.1%)	63.3% (26.9%)
Natural Gas	29.3% (7.8%)	12.7%* (17.0%)	15.8%* (34.1%)	22.6%* (38.4%)	25.2% (22.1%)	25.2% (22.1%)	33.5% (18.3%)	67.1% (44.3%)	31.2% (2.9%)	55.2% (9.1%)	36.6% (27.1%)
Oil	-	-	-	-	-	-	-	-	-	-	-
Propane	-	-	-	-	-	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	-	-	-	-	-	-	-	-	-
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	0.9%* (1.3%)	0.1%* (0.2%)	-	-	-	-	-	-	-	-	-
Other	-	-	0.1% (0.0%)	0.1% (0.0%)	-	-	0.1%* (0.1%)	0.1%* (0.3%)	-	-	0.1%* (0.1%)
Total	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-7 PY 2008 Period BPAC, Total Over All Evaluated BPACs
Overall Renewable Generation by Fuel Type and Year, Total Estimates, in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated, Units=MWh	1,717* (2,301)	72,033* (96,475)	92,051 (107,918)	96,817 (114,517)	124,832 (151,245)	127,394 (150,120)	850,334 (1,056,166)	1,062,371 (1,307,102)	209,305* (320,730)	-23,140* (31,012)	2,613,715* (3,306,328)
Methane Produced, Units=KTherms	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	2,456* (3,292)	2,456* (3,292)	2,456* (3,292)	2,456* (3,292)	2,456* (3,292)	2,456* (3,292)	17,195* (23,045)	24,564* (32,922)	12,282* (16,461)	-	68,780* (92,181)
Biodiesel Production, Units=KTherms	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Other, Units=Site	-	-	-	-	-	-	-	-	-	-	-

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
MMBtu											
Total, Units=Site MMBtu	251,502* (337,068)	491,431* (658,404)	559,734 (694,610)	575,998 (717,496)	671,588* (843,600)	680,329 (839,607)	4,620,964* (5,892,987)	6,081,393* (7,724,607)	1,942,396* (2,697,972)	-78,956* (105,818)	15,796,378* (20,424,335)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-8 PY 2008 Period BPAC, Total Over All Evaluated BPACs
Overall Renewable Generation by Fuel Type and Year, Total Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	5,858* (7,851)	245,777* (329,173)	314,078 (368,216)	330,341 (390,733)	425,927 (516,047)	426,635 (515,186)	2,563,972* (3,767,572)	3,142,856* (4,704,369)	232,195* (1,514,548)	-263,702* (353,419)	7,423,938* (12,085,057)
Methane Produced	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	257,189* (344,690)	257,189* (344,690)	257,189* (344,690)	257,189* (344,690)	257,189* (344,690)	257,189* (344,690)	1,800,321* (2,412,833)	2,571,887* (3,446,905)	1,285,944* (1,723,452)	-	7,201,285* (9,651,333)
Biodiesel Production	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
Total	263,047* (352,541)	502,966* (673,863)	571,267 (709,999)	587,529 (732,891)	683,115* (859,004)	683,824* (857,875)	4,364,294* (6,145,120)	5,714,743* (8,088,497)	1,518,139* (3,057,921)	-263,702* (353,419)	14,625,222* (21,526,403)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-9 PY 2008 Period BPAC, Total Over All Evaluated BPACs
Overall Renewable Generation by Fuel Type and Year, Average per Year Estimates, in Original Site Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated, Units=MWh	2008-2044	1,717* (2,301)	72,033* (96,475)	92,051 (107,918)	96,817 (114,517)	124,832 (151,245)	127,394 (150,120)	121,476 (150,881)	106,237 (130,710)	20,931* (32,073)	-5,785* (7,753)	70,641* (89,360)
Methane Produced, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	2008-2035	2,456* (3,292)	2,456* (3,292)	2,456* (3,292)	2,456* (3,292)	2,456* (3,292)	2,456* (3,292)	2,456* (3,292)	2,456* (3,292)	2,456* (3,292)	-	2,456* (3,292)
Biodiesel Production, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Other,	n/a	-	-	-	-	-	-	-	-	-	-	-

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Units=Site MMBtu												
Total, Units=Site MMBtu	2008-2044	251,502* (337,068)	491,431* (658,404)	559,734 (694,610)	575,998 (717,496)	671,588* (843,600)	680,329 (839,607)	660,138* (841,855)	608,139* (772,461)	194,240* (269,797)	-19,739* (26,455)	426,929* (552,009)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-10 PY 2008 Period BPAC, Total Over All Evaluated BPACs
Overall Renewable Generation by Fuel Type and Year, Average per Year Estimates, in Source MMBtu Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	2008-2044	5,858* (7,851)	245,777* (329,173)	314,078 (368,216)	330,341 (390,733)	425,927 (516,047)	426,635 (515,186)	366,282* (538,225)	314,286* (470,437)	23,220* (151,455)	-65,925* (88,355)	200,647* (326,623)
Methane Produced	n/a	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	2008-2035	257,189* (344,690)	257,189* (344,690)	257,189* (344,690)	257,189* (344,690)	257,189* (344,690)	257,189* (344,690)	257,189* (344,690)	257,189* (344,690)	257,189* (344,690)	-	257,189* (344,690)
Biodiesel Production	n/a	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production	n/a	-	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-	-
Total	2008-2044	263,047* (352,541)	502,966* (673,863)	571,267 (709,999)	587,529 (732,891)	683,115* (859,004)	683,824* (857,875)	623,471* (877,874)	571,474* (808,850)	151,814* (305,792)	-65,925* (88,355)	395,276* (581,795)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.



Table K-11 PY 2008 Period BPAC, Total Over All Evaluated BPACs
Overall Renewable Generation by Fuel Type and Year, Row Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	0.1% (0.0%)	3.3% (1.7%)	4.2% (2.4%)	4.4% (2.5%)	5.7% (3.1%)	5.7% (2.9%)	34.5% (6.5%)	42.3% (6.1%)	3.1%* (15.8%)	-3.6%* (9.1%)	100.0% (0.0%)
Methane Produced	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	3.6% (0.0%)	3.6% (0.0%)	3.6% (0.0%)	3.6% (0.0%)	3.6% (0.0%)	3.6% (0.0%)	25.0% (0.0%)	35.7% (0.0%)	17.9% (0.0%)	-	100.0% (0.0%)
Biodiesel Production	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
Total	1.8% (0.5%)	3.4% (0.9%)	3.9% (1.1%)	4.0% (1.2%)	4.7% (1.3%)	4.7% (1.2%)	29.8% (2.2%)	39.1% (2.4%)	10.4% (6.4%)	-1.8%* (4.2%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-12 PY 2008 Period BPAC, Total Over All Evaluated BPACs
Overall Renewable Generation by Fuel Type and Year, Column Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	2.2% (0.0%)	48.9% (0.0%)	55.0% (7.0%)	56.2% (6.4%)	62.4% (4.9%)	62.4% (5.2%)	58.7% (8.1%)	55.0% (9.6%)	15.3%* (71.7%)	100.0% (0.0%)	50.8% (12.6%)
Methane Produced	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	97.8% (0.0%)	51.1% (0.0%)	45.0% (7.0%)	43.8% (6.4%)	37.6% (4.9%)	37.6% (5.2%)	41.3% (8.1%)	45.0% (9.6%)	84.7% (71.7%)	-	49.2% (12.6%)
Biodiesel Production	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
Total	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"**" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-13 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Energy Savings by Fuel Type and Year, Total Estimates, in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	12,172 (10,227)	28,563 (18,786)	33,654 (19,239)	34,543 (20,022)	36,743 (20,253)	35,962 (19,894)	205,120 (115,861)	123,462 (107,492)	36,051* (51,503)	2,564* (3,319)	548,834 (330,983)
Natural Gas, Units=KTher ms	739 (661)	942 (660)	984 (663)	1,081 (680)	1,096 (682)	1,067 (670)	6,123 (3,434)	4,489 (3,838)	1,725* (2,303)	371* (509)	18,617 (11,776)
Oil, Units=KTher ms	-	-	-	-	-	-	-	-	-	-	1* (1)
Propane, Units=KTher ms	-	3 (3)	3 (3)	3 (3)	3 (3)	3 (3)	20 (23)	8 (10)	-	-	42 (50)
Kerosene, Units=KTher ms	-	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	-	-	-	1* (1)	3* (5)	3* (5)	22* (34)	22* (33)	-	-	51* (78)
Diesel, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	2,763 (3,265)	2,763 (3,265)	2,763 (3,265)	2,763 (3,265)	2,586 (3,057)	2,365 (2,796)	7,073 (8,360)	-	-	-	23,075 (27,274)
Other, Units=Site MMBtu	-	60 (71)	97 (90)	94 (88)	100 (93)	100 (93)	637 (598)	205* (311)	-	-	1,292 (1,236)
Total, Units=Site	118,152 (99,782)	194,728 (126,369)	216,390 (126,380)	229,123 (128,670)	237,991 (130,567)	232,160 (128,050)	1,321,942 (724,020)	871,249 (747,821)	295,515* (406,044)	45,847* (62,131)	3,763,096 (2,274,540)

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
MMBtu											)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-14 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Energy Savings by Fuel Type and Year, Total Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	138,711 (116,548)	325,508 (214,082)	383,518 (219,249)	393,652 (228,172)	418,729 (230,810)	409,829 (226,719)	2,337,566 (1,320,356)	1,406,987 (1,224,983)	410,839* (586,938)	29,217* (37,818)	6,254,556 (3,771,904)
Natural Gas	77,328 (69,220)	98,581 (69,149)	103,035 (69,365)	113,190 (71,202)	114,789 (71,364)	111,705 (70,165)	641,076 (359,525)	470,013 (401,873)	180,612* (241,137)	38,843* (53,285)	1,949,171 (1,232,951)
Oil	-	-	2* (3)	3* (5)	5* (8)	5* (8)	35* (54)	30* (45)	-	-	81* (123)
Propane	-	291 (344)	291 (344)	291 (344)	291 (344)	291 (344)	1,998 (2,360)	815 (962)	-	-	4,268 (5,042)
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	-	1* (1)	3* (5)	3* (5)	22* (34)	22* (33)	-	-	51* (78)
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	2,790 (3,298)	2,790 (3,298)	2,790 (3,298)	2,790 (3,298)	2,612 (3,087)	2,389 (2,824)	7,143 (8,443)	-	-	-	23,306 (27,547)
Other	-	60 (71)	97 (90)	94 (88)	100 (93)	100 (93)	637 (598)	205* (311)	-	-	1,292 (1,236)
Total	218,829 (183,363)	427,231 (277,139)	489,734 (279,796)	510,022 (287,237)	536,528 (291,563)	524,321 (286,048)	2,988,478 (1,657,285)	1,878,072 (1,622,373)	591,451* (828,067)	68,060* (90,900)	8,232,726 (4,952,490)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.



Table K-15 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Energy Savings by Fuel Type and Year, Average per Year Estimates, in Original Site Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	2008-2050	12,172 (10,227)	28,563 (18,786)	33,654 (19,239)	34,543 (20,022)	36,743 (20,253)	35,962 (19,894)	29,303 (16,552)	12,346 (10,749)	3,605* (5,150)	256* (332)	12,764 (7,697)
Natural Gas, Units=KTherms	2008-2050	739 (661)	942 (660)	984 (663)	1,081 (680)	1,096 (682)	1,067 (670)	875 (491)	449 (384)	173* (230)	37* (51)	433 (274)
Oil, Units=KTherms	2010-2027	-	-	-	-	-	-	-	-	-	-	-
Propane, Units=KTherms	2009-2027	-	3 (3)	3 (3)	3 (3)	3 (3)	3 (3)	3 (3)	1 (1)	-	-	2 (3)
Kerosene, Units=KTherms	2011-2027	-	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	2011-2027	-	-	-	1* (1)	3* (5)	3* (5)	3* (5)	3* (5)	-	-	3* (5)
Diesel, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	2008-2017	2,763 (3,265)	2,763 (3,265)	2,763 (3,265)	2,763 (3,265)	2,586 (3,057)	2,365 (2,796)	1,768 (2,090)	-	-	-	2,307 (2,727)
Other, Units=Site MMBtu	2009-2027	-	60 (71)	97 (90)	94 (88)	100 (93)	100 (93)	91 (85)	29* (44)	-	-	68 (65)
Total,	2008-	118,152	194,728	216,390	229,123	237,991	232,160	188,849	87,125	29,552*	4,585*	87,514

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Units=Site MMBtu	2050	(99,782)	(126,369)	(126,380)	(128,670)	(130,567)	(128,050)	(103,431)	(74,782)	(40,604)	(6,213)	(52,896)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-16 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Energy Savings by Fuel Type and Year, Average per Year Estimates, in Source MMBtu Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	2008-2050	138,711 (116,548)	325,508 (214,082)	383,518 (219,249)	393,652 (228,172)	418,729 (230,810)	409,829 (226,719)	333,938 (188,622)	140,699 (122,498)	41,084* (58,694)	2,922* (3,782)	145,455 (87,719)
Natural Gas	2008-2050	77,328 (69,220)	98,581 (69,149)	103,035 (69,365)	113,190 (71,202)	114,789 (71,364)	111,705 (70,165)	91,582 (51,361)	47,001 (40,187)	18,061* (24,114)	3,884* (5,328)	45,330 (28,673)
Oil	2010-2027	-	-	2* (3)	3* (5)	5* (8)	5* (8)	5* (8)	4* (6)	-	-	4* (7)
Propane	2009-2027	-	291 (344)	291 (344)	291 (344)	291 (344)	291 (344)	285 (337)	116 (137)	-	-	225 (265)
Kerosene	2011-2027	-	-	-	-	-	-	-	-	-	-	-
Wood	2011-2027	-	-	-	1* (1)	3* (5)	3* (5)	3* (5)	3* (5)	-	-	3* (5)
Diesel	n/a	-	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-	-
Gasoline	2008-2017	2,790 (3,298)	2,790 (3,298)	2,790 (3,298)	2,790 (3,298)	2,612 (3,087)	2,389 (2,824)	1,786 (2,111)	-	-	-	2,331 (2,755)
Other	2009-2027	-	60 (71)	97 (90)	94 (88)	100 (93)	100 (93)	91 (85)	29* (44)	-	-	68 (65)
Total	2008-2050	218,829 (183,363)	427,231 (277,139)	489,734 (279,796)	510,022 (287,237)	536,528 (291,563)	524,321 (286,048)	426,925 (236,755)	187,807 (162,237)	59,145* (82,807)	6,806* (9,090)	191,459 (115,174)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.



Table K-17 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Energy Savings by Fuel Type and Year, Row Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	2.2% (1.0%)	5.2% (2.0%)	6.1% (2.2%)	6.3% (2.2%)	6.7% (2.2%)	6.6% (2.3%)	37.4% (8.2%)	22.5% (10.4%)	6.6% (7.0%)	0.5% (0.4%)	100.0% (0.0%)
Natural Gas	4.0% (2.5%)	5.1% (2.3%)	5.3% (2.3%)	5.8% (2.3%)	5.9% (2.2%)	5.7% (2.4%)	32.9% (7.9%)	24.1% (11.0%)	9.3% (8.6%)	2.0% (1.9%)	100.0% (0.0%)
Oil	-	-	2.7% (0.0%)	3.9% (0.0%)	6.3% (0.0%)	6.3% (0.0%)	43.8% (0.0%)	37.1% (0.0%)	-	-	100.0% (0.0%)
Propane	-	6.8% (0.0%)	6.8% (0.0%)	6.8% (0.0%)	6.8% (0.0%)	6.8% (0.0%)	46.8% (0.0%)	19.1% (0.0%)	-	-	100.0% (0.0%)
Kerosene	-	-	-	2.1% (0.0%)	6.3% (0.0%)	6.3% (0.0%)	43.8% (0.0%)	41.7% (0.0%)	-	-	100.0% (0.0%)
Wood	-	-	-	1.5% (0.0%)	6.3% (0.0%)	6.3% (0.0%)	43.8% (0.0%)	42.3% (0.0%)	-	-	100.0% (0.0%)
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	12.0% (0.0%)	12.0% (0.0%)	12.0% (0.0%)	12.0% (0.0%)	11.2% (0.0%)	10.3% (0.0%)	30.7% (0.0%)	-	-	-	100.0% (0.0%)
Other	-	4.7% (4.4%)	7.5% (1.6%)	7.3% (1.8%)	7.7% (1.4%)	7.7% (1.4%)	49.3% (5.2%)	15.9% (15.7%)	-	-	100.0% (0.0%)
Total	2.7% (1.3%)	5.2% (2.1%)	5.9% (2.1%)	6.2% (2.2%)	6.5% (2.1%)	6.4% (2.2%)	36.3% (8.0%)	22.8% (10.5%)	7.2% (7.4%)	0.8% (0.8%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-18 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Energy Savings by Fuel Type and Year, Column Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	63.4% (6.7%)	76.2% (5.9%)	78.3% (6.1%)	77.2% (7.0%)	78.0% (6.2%)	78.2% (6.4%)	78.2% (3.8%)	74.9% (2.8%)	69.5% (2.0%)	42.9% (4.8%)	76.0% (3.8%)
Natural Gas	35.3% (6.8%)	23.1% (5.9%)	21.0% (6.2%)	22.2% (7.0%)	21.4% (6.2%)	21.3% (6.4%)	21.5% (3.8%)	25.0% (2.8%)	30.5% (2.0%)	57.1% (4.8%)	23.7% (3.8%)
Oil	-	-	-	-	-	-	-	-	-	-	-
Propane	-	0.1%* (0.1%)	0.1% (0.1%)	0.1% (0.1%)	0.1% (0.1%)	0.1% (0.1%)	0.1% (0.1%)	-	-	-	0.1% (0.1%)
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	-	-	-	-	-	-	-	-	-
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	1.3%* (1.8%)	0.7%* (0.9%)	0.6%* (0.7%)	0.5%* (0.7%)	0.5%* (0.6%)	0.5%* (0.6%)	0.2%* (0.3%)	-	-	-	0.3%* (0.4%)
Other	-	-	-	-	-	-	-	-	-	-	-
Total	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-19 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Energy Savings by Sector and Year, Total Estimates, in Site MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	3,079 (2,606)	17,718 (19,836)	24,209 (26,950)	26,970 (27,898)	30,261 (26,436)	30,346 (26,437)	87,082 (55,756)	62,946 (29,922)	15,047 (11,240)	2,940 (2,244)	300,598 (144,826)
Commercial	-	1,633* (2,477)	3,419 (4,051)	5,342 (4,579)	8,670 (6,947)	8,670 (6,947)	60,693 (48,626)	24,979 (18,975)	-	-	113,407 (86,806)
Industrial	1,061 (1,254)	4,270 (5,047)	4,270 (5,047)	4,270 (5,047)	4,270 (5,047)	4,270 (5,047)	17,687 (20,905)	5,383 (6,363)	-	-	45,482 (53,758)
Public Institutional	72,685 (53,050)	119,757 (70,237)	133,982 (73,611)	140,853 (77,162)	142,084 (78,781)	136,279 (74,857)	900,046 (530,114)	747,819 (748,377)	280,468* (406,001)	42,907* (62,112)	2,716,880 (1,975,878)
Private Institutional	41,326* (56,403)	51,350* (70,083)	50,511* (68,938)	51,688* (70,545)	52,706* (71,934)	52,595* (71,782)	256,434* (349,985)	30,121* (41,109)	-	-	586,730* (800,779)
Total	118,152 (99,782)	194,728 (126,369)	216,390 (126,380)	229,123 (128,670)	237,991 (130,567)	232,160 (128,050)	1,321,942 (724,020)	871,249 (747,821)	295,515* (406,044)	45,847* (62,131)	3,763,096 (2,274,540)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

Table K-20 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Energy Savings by Sector and Year, Total Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	5,333 (4,732)	50,848* (66,206)	69,221* (91,001)	76,485 (95,463)	83,796 (91,295)	83,910 (91,297)	164,781 (102,508)	85,024 (38,307)	19,453 (13,261)	5,366 (5,100)	644,216 (449,017)
Commercial	-	5,455* (8,274)	9,953* (14,448)	14,692 (15,836)	23,279 (17,656)	23,279 (17,656)	162,956 (123,595)	58,178 (57,336)	-	-	297,793 (235,614)
Industrial	3,543 (4,188)	7,094 (8,384)	7,094 (8,384)	7,094 (8,384)	7,094 (8,384)	7,094 (8,384)	36,770 (43,461)	6,224 (7,356)	-	-	82,005 (96,928)
Public Institutional	134,574 (100,284)	251,825 (148,483)	294,015 (159,432)	298,763 (165,207)	305,972 (171,068)	294,021 (162,568)	2,014,103 (1,191,890)	1,648,698 (1,620,477)	571,997* (828,007)	62,695* (90,757)	5,876,663 (4,249,722)
Private Institutional	75,379* (102,879)	112,009* (152,872)	109,451* (149,381)	112,988* (154,208)	116,387* (158,847)	116,017* (158,343)	609,868* (832,359)	79,948* (109,115)	-	-	1,332,049* (1,818,004)
Total	218,829 (183,363)	427,231 (277,139)	489,734 (279,796)	510,022 (287,237)	536,528 (291,563)	524,321 (286,048)	2,988,478 (1,657,285)	1,878,072 (1,622,373)	591,451* (828,067)	68,060* (90,900)	8,232,726 (4,952,490)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-21 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Energy Savings by Sector and Year, Average per Year Estimates, in Site MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	2008-2050	3,079 (2,606)	17,718 (19,836)	24,209 (26,950)	26,970 (27,898)	30,261 (26,436)	30,346 (26,437)	12,440 (7,965)	6,295 (2,992)	1,505 (1,124)	294 (224)	6,991 (3,368)
Commercial	2009-2025	-	1,633* (2,477)	3,419 (4,051)	5,342 (4,579)	8,670 (6,947)	8,670 (6,947)	8,670 (6,947)	4,996 (3,795)	-	-	6,671 (5,106)
Industrial	2008-2028	1,061 (1,254)	4,270 (5,047)	4,270 (5,047)	4,270 (5,047)	4,270 (5,047)	4,270 (5,047)	2,527 (2,986)	673 (795)	-	-	2,166 (2,560)
Public Institutional	2008-2047	72,685 (53,050)	119,757 (70,237)	133,982 (73,611)	140,853 (77,162)	142,084 (78,781)	136,279 (74,857)	128,578 (75,731)	74,782 (74,838)	28,047* (40,600)	6,130* (8,873)	67,922 (49,397)
Private Institutional	2008-2030	41,326* (56,403)	51,350* (70,083)	50,511* (68,938)	51,688* (70,545)	52,706* (71,934)	52,595* (71,782)	36,633* (49,998)	3,012* (4,111)	-	-	25,510* (34,816)
Total	2008-2050	118,152 (99,782)	194,728 (126,369)	216,390 (126,380)	229,123 (128,670)	237,991 (130,567)	232,160 (128,050)	188,849 (103,431)	87,125 (74,782)	29,552* (40,604)	4,585* (6,213)	87,514 (52,896)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-22 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Energy Savings by Sector and Year, Average per Year Estimates, in Source MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	2008-2050	5,333 (4,732)	50,848* (66,206)	69,221* (91,001)	76,485 (95,463)	83,796 (91,295)	83,910 (91,297)	23,540 (14,644)	8,502 (3,831)	1,945 (1,326)	537 (510)	14,982 (10,442)
Commercial	2009-2025	-	5,455* (8,274)	9,953* (14,448)	14,692 (15,836)	23,279 (17,656)	23,279 (17,656)	23,279 (17,656)	11,636 (11,467)	-	-	17,517 (13,860)
Industrial	2008-2028	3,543 (4,188)	7,094 (8,384)	7,094 (8,384)	7,094 (8,384)	7,094 (8,384)	7,094 (8,384)	5,253 (6,209)	778 (920)	-	-	3,905 (4,616)
Public Institutional	2008-2047	134,574 (100,284)	251,825 (148,483)	294,015 (159,432)	298,763 (165,207)	305,972 (171,068)	294,021 (162,568)	287,729 (170,270)	164,870 (162,048)	57,200* (82,801)	8,956* (12,965)	146,917 (106,243)
Private Institutional	2008-2030	75,379* (102,879)	112,009* (152,872)	109,451* (149,381)	112,988* (154,208)	116,387* (158,847)	116,017* (158,343)	87,124* (118,908)	7,995* (10,911)	-	-	57,915* (79,044)
Total	2008-2050	218,829 (183,363)	427,231 (277,139)	489,734 (279,796)	510,022 (287,237)	536,528 (291,563)	524,321 (286,048)	426,925 (236,755)	187,807 (162,237)	59,145* (82,807)	6,806* (9,090)	191,459 (115,174)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-23 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Energy Savings by Sector and Year, Row Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	0.8% (0.7%)	7.9% (5.6%)	10.7% (7.7%)	11.9% (7.6%)	13.0% (5.9%)	13.0% (5.9%)	25.6% (20.3%)	13.2% (10.2%)	3.0% (2.4%)	0.8% (0.9%)	100.0% (0.0%)
Commercial	-	1.8% (2.0%)	3.3% (3.4%)	4.9% (2.7%)	7.8% (1.8%)	7.8% (1.8%)	54.7% (12.4%)	19.5% (7.9%)	-	-	100.0% (0.0%)
Industrial	4.3% (0.0%)	8.7% (0.0%)	8.7% (0.0%)	8.7% (0.0%)	8.7% (0.0%)	8.7% (0.0%)	44.8% (0.0%)	7.6% (0.0%)	-	-	100.0% (0.0%)
Public Institutional	2.3% (1.1%)	4.3% (1.9%)	5.0% (2.0%)	5.1% (2.0%)	5.2% (1.9%)	5.0% (2.0%)	34.3% (8.9%)	28.1% (9.6%)	9.7% (8.6%)	1.1% (0.9%)	100.0% (0.0%)
Private Institutional	5.7% (0.0%)	8.4% (0.0%)	8.2% (0.0%)	8.5% (0.0%)	8.7% (0.0%)	8.7% (0.0%)	45.8% (0.0%)	6.0% (0.0%)	-	-	100.0% (0.0%)
Total	2.7% (1.3%)	5.2% (2.1%)	5.9% (2.1%)	6.2% (2.2%)	6.5% (2.1%)	6.4% (2.2%)	36.3% (8.0%)	22.8% (10.5%)	7.2% (7.4%)	0.8% (0.8%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-24 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Energy Savings by Sector and Year, Column Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	2.4% (2.6%)	11.9%* (15.4%)	14.1%* (17.9%)	15.0% (18.2%)	15.6% (17.0%)	16.0% (17.4%)	5.5% (4.7%)	4.5% (4.5%)	3.3%* (4.9%)	7.9%* (12.6%)	7.8% (7.1%)
Commercial	-	1.3%* (1.9%)	2.0%* (2.8%)	2.9% (3.1%)	4.3% (3.9%)	4.4% (4.0%)	5.5% (5.3%)	3.1%* (4.1%)	-	-	3.6% (3.6%)
Industrial	1.6%* (2.4%)	1.7%* (2.4%)	1.4%* (2.0%)	1.4%* (1.9%)	1.3%* (1.8%)	1.4%* (1.9%)	1.2%* (1.7%)	0.3%* (0.5%)	-	-	1.0%* (1.4%)
Public Institutional	61.5% (22.5%)	58.9% (20.3%)	60.0% (21.9%)	58.6% (21.9%)	57.0% (20.6%)	56.1% (20.5%)	67.4% (20.0%)	87.8% (12.3%)	96.7% (4.9%)	92.1% (12.6%)	71.4% (20.5%)
Private Institutional	34.4% (24.1%)	26.2% (22.7%)	22.3% (21.2%)	22.2% (21.0%)	21.7% (20.6%)	22.1% (20.7%)	20.4% (20.4%)	4.3%* (6.6%)	-	-	16.2% (18.4%)
Total	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-25 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Energy Savings by Fuel Type and Sector, Total Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity, Units=MWh	42,120 (40,328)	22,887 (20,103)	4,399 (5,200)	387,687 (280,102)	91,741* (125,210)	548,834 (330,983)
Natural Gas, Units=KTherms	1,561 (839)	353* (535)	298 (352)	13,667 (10,373)	2,737* (3,735)	18,617 (11,776)
Oil, Units=KTherms	1* (1)	-	-	-	-	1* (1)
Propane, Units=KTherms	-	-	-	42 (50)	-	42 (50)
Kerosene, Units=KTherms	-	-	-	-	-	-
Wood, Units=Site MMBtu	51* (78)	-	-	-	-	51* (78)
Diesel, Units=Site MMBtu	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	-	-	-	23,075 (27,274)	-	23,075 (27,274)
Other, Units=Site MMBtu	630* (956)	-	662 (783)	-	-	1,292 (1,236)
Total,	300,598	113,407	45,482	2,716,880	586,730*	3,763,096

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Units=Site MMBtu	(144,826)	(86,806)	(53,758)	(1,975,878)	(800,779)	(2,274,540)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-26 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Energy Savings by Fuel Type and Sector, Total Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	479,998 (459,576)	260,818 (229,098)	50,134 (59,256)	4,418,117 (3,192,060)	1,045,489* (1,426,902)	6,254,556 (3,771,904)
Natural Gas	163,452 (87,800)	36,975* (56,002)	31,209 (36,889)	1,430,974 (1,086,062)	286,560* (391,102)	1,949,171 (1,232,951)
Oil	81* (123)	-	-	-	-	81* (123)
Propane	3* (5)	-	-	4,265 (5,042)	-	4,268 (5,042)
Kerosene	-	-	-	-	-	-
Wood	51* (78)	-	-	-	-	51* (78)
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	23,306 (27,547)	-	23,306 (27,547)
Other	630* (956)	-	662 (783)	-	-	1,292 (1,236)
Total	644,216 (449,017)	297,793 (235,614)	82,005 (96,928)	5,876,663 (4,249,722)	1,332,049* (1,818,004)	8,232,726 (4,952,490)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-27 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Energy Savings by Fuel Type and Sector, Average per Year Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity, Units=MWh	980 (938)	1,346 (1,183)	259 (306)	9,692 (7,003)	4,369* (5,962)	12,764 (7,697)
Natural Gas, Units=KTherms	36 (20)	22* (33)	15 (18)	342 (259)	119* (162)	433 (274)
Oil, Units=KTherms	-	-	-	-	-	-
Propane, Units=KTherms	-	-	-	3 (3)	-	2 (3)
Kerosene, Units=KTherms	-	-	-	-	-	-
Wood, Units=Site MMBtu	3* (5)	-	-	-	-	3* (5)
Diesel, Units=Site MMBtu	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	-	-	-	2,307 (2,727)	-	2,307 (2,727)
Other, Units=Site MMBtu	35* (53)	-	60 (71)	-	-	68 (65)
Total,	6,991	6,671	2,166	67,922	25,510*	87,514

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Units=Site MMBtu	(3,368)	(5,106)	(2,560)	(49,397)	(34,816)	(52,896)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-28 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Energy Savings by Fuel Type and Sector, Average per Year Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	11,163 (10,688)	15,342 (13,476)	2,949 (3,486)	110,453 (79,802)	49,785* (67,948)	145,455 (87,719)
Natural Gas	3,801 (2,042)	2,311* (3,500)	1,560 (1,844)	35,774 (27,152)	12,459* (17,004)	45,330 (28,673)
Oil	4* (7)	-	-	-	-	4* (7)
Propane	-	-	-	284 (336)	-	225 (265)
Kerosene	-	-	-	-	-	-
Wood	3* (5)	-	-	-	-	3* (5)
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	2,331 (2,755)	-	2,331 (2,755)
Other	35* (53)	-	60 (71)	-	-	68 (65)
Total	14,982 (10,442)	17,517 (13,860)	3,905 (4,616)	146,917 (106,243)	57,915* (79,044)	191,459 (115,174)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-29 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Energy Savings by Fuel Type and Sector, Row Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	7.7% (8.3%)	4.2% (4.3%)	0.8%* (1.1%)	70.6% (21.5%)	16.7% (18.9%)	100.0% (0.0%)
Natural Gas	8.4% (6.8%)	1.9%* (3.1%)	1.6%* (2.2%)	73.4% (19.5%)	14.7% (17.2%)	100.0% (0.0%)
Oil	100.0% (0.0%)	-	-	-	-	100.0% (0.0%)
Propane	0.1%* (0.1%)	-	-	99.9% (0.1%)	-	100.0% (0.0%)
Kerosene	100.0% (0.0%)	-	-	-	-	100.0% (0.0%)
Wood	100.0% (0.0%)	-	-	-	-	100.0% (0.0%)
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	100.0% (0.0%)	-	100.0% (0.0%)
Other	48.8% (48.0%)	-	51.2% (48.0%)	-	-	100.0% (0.0%)
Total	7.8% (7.1%)	3.6% (3.6%)	1.0%* (1.4%)	71.4% (20.5%)	16.2% (18.4%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-30 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Energy Savings by Fuel Type and Sector, Column Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	74.5% (22.6%)	87.6% (19.1%)	61.1% (0.0%)	75.2% (3.7%)	78.5% (0.0%)	76.0% (3.8%)
Natural Gas	25.4% (22.7%)	12.4%* (19.1%)	38.1% (0.0%)	24.4% (3.7%)	21.5% (0.0%)	23.7% (3.8%)
Oil	-	-	-	-	-	-
Propane	-	-	-	0.1%* (0.1%)	-	0.1% (0.1%)
Kerosene	-	-	-	-	-	-
Wood	-	-	-	-	-	-
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	0.4%* (0.5%)	-	0.3%* (0.4%)
Other	0.1% (0.1%)	-	0.8% (0.0%)	-	-	-
Total	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-31 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Renewable Generation by Fuel Type and Year, Total Estimates, in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated, Units=MWh	95* (128)	505 (618)	954* (1,202)	1,259* (1,610)	2,927* (3,846)	2,907* (3,832)	17,745* (27,300)	23,981* (37,181)	9,236* (19,010)	-1,465* (1,963)	58,144* (95,260)
Methane Produced, Units=KTherms	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	461* (617)	461* (617)	461* (617)	461* (617)	461* (617)	461* (617)	3,224* (4,321)	4,606* (6,173)	2,303* (3,086)	-	12,896* (17,284)
Biodiesel Production, Units=KTherms	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Other, Units=Site	-	-	-	-	-	-	-	-	-	-	-

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
MMBtu											
Total, Units=Site MMBtu	46,383* (62,164)	47,781* (63,830)	49,313* (65,824)	50,354* (67,220)	56,046* (74,849)	55,977* (74,795)	382,957* (524,542)	542,407* (743,082)	261,804* (371,604)	-4,998* (6,698)	1,488,024* (2,049,544)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-32 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Renewable Generation by Fuel Type and Year, Total Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	325* (436)	1,723 (2,109)	3,254* (4,100)	4,295* (5,495)	9,987* (13,121)	9,410* (13,279)	39,192* (107,263)	51,314* (147,443)	1,004* (92,254)	-16,692* (22,371)	103,814* (394,082)
Methane Produced	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	48,223* (64,629)	48,223* (64,629)	48,223* (64,629)	48,223* (64,629)	48,223* (64,629)	48,223* (64,629)	337,560* (452,406)	482,229* (646,295)	241,114* (323,147)	-	1,350,241* (1,809,625)
Biodiesel Production	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
Total	48,548* (65,065)	49,946* (66,731)	51,477* (68,725)	52,518* (70,121)	58,210* (77,749)	57,633* (77,872)	376,752* (553,313)	533,543* (784,198)	242,119* (399,972)	-16,692* (22,371)	1,454,055* (2,168,960)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

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Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-33

PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Renewable Generation by Fuel Type and Year, Average per Year Estimates, in Original Site Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated, Units=MWh	2008-2044	95* (128)	505 (618)	954* (1,202)	1,259* (1,610)	2,927* (3,846)	2,907* (3,832)	2,535* (3,900)	2,398* (3,718)	924* (1,901)	-366* (491)	1,571* (2,575)
Methane Produced, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	2008-2035	461* (617)	461* (617)	461* (617)	461* (617)	461* (617)	461* (617)	461* (617)	461* (617)	461* (617)	-	461* (617)
Biodiesel Production, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Other,	n/a	-	-	-	-	-	-	-	-	-	-	-

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Units=Site MMBtu												
Total, Units=Site MMBtu	2008- 2044	46,383* (62,164)	47,781* (63,830)	49,313* (65,824)	50,354* (67,220)	56,046* (74,849)	55,977* (74,795)	54,708* (74,935)	54,241* (74,308)	26,180* (37,160)	-1,249* (1,675)	40,217* (55,393)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

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"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-34 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Renewable Generation by Fuel Type and Year, Average per Year Estimates, in Source MMBtu Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	2008-2044	325* (436)	1,723 (2,109)	3,254* (4,100)	4,295* (5,495)	9,987* (13,121)	9,410* (13,279)	5,599* (15,323)	5,131* (14,744)	100* (9,225)	-4,173* (5,593)	2,806* (10,651)
Methane Produced	n/a	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	2008-2035	48,223* (64,629)	48,223* (64,629)	48,223* (64,629)	48,223* (64,629)	48,223* (64,629)	48,223* (64,629)	48,223* (64,629)	48,223* (64,629)	48,223* (64,629)	-	48,223* (64,629)
Biodiesel Production	n/a	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production	n/a	-	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-	-
Total	2008-2044	48,548* (65,065)	49,946* (66,731)	51,477* (68,725)	52,518* (70,121)	58,210* (77,749)	57,633* (77,872)	53,822* (79,045)	53,354* (78,420)	24,212* (39,997)	-4,173* (5,593)	39,299* (58,621)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

""*"" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.



Table K-35 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Renewable Generation by Fuel Type and Year, Row Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	0.3%* (0.8%)	1.7%* (4.6%)	3.1%* (8.6%)	4.1%* (11.2%)	9.6%* (25.9%)	9.1%* (23.1%)	37.8% (41.2%)	49.4% (46.9%)	1.0%* (85.3%)	-16.1%* (76.9%)	100.0% (0.0%)
Methane Produced	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	3.6% (0.0%)	3.6% (0.0%)	3.6% (0.0%)	3.6% (0.0%)	3.6% (0.0%)	3.6% (0.0%)	25.0% (0.0%)	35.7% (0.0%)	17.9% (0.0%)	-	100.0% (0.0%)
Biodiesel Production	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
Total	3.3% (0.6%)	3.4% (0.7%)	3.5% (0.7%)	3.6% (0.7%)	4.0% (0.8%)	4.0% (0.7%)	25.9% (0.7%)	36.7% (0.9%)	16.7% (3.1%)	-1.1%* (2.7%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

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"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-36 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Renewable Generation by Fuel Type and Year, Column Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	0.7% (0.0%)	3.4% (0.5%)	6.3% (0.6%)	8.2% (0.6%)	17.2% (0.5%)	16.3% (1.8%)	10.4%* (14.7%)	9.6%* (15.0%)	0.4%* (37.5%)	100.0% (0.0%)	7.1%* (17.7%)
Methane Produced	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	99.3% (0.0%)	96.6% (0.5%)	93.7% (0.6%)	91.8% (0.6%)	82.8% (0.5%)	83.7% (1.8%)	89.6% (14.7%)	90.4% (15.0%)	99.6% (37.5%)	-	92.9% (17.7%)
Biodiesel Production	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
Total	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-37 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Renewable Generation by Sector and Year, Total Estimates, in Site MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	-	-	43* (65)	43* (65)	43* (65)	43* (65)	302* (458)	432* (655)	172* (262)	-	1,078* (1,635)
Commercial	325* (436)	1,115* (1,494)	2,603* (3,488)	3,644* (4,884)	9,336* (12,513)	9,290* (12,450)	63,750* (85,439)	87,302* (117,005)	43,523* (58,331)	-	220,888* (296,039)
Industrial	46,058* (61,728)	46,512* (62,336)	46,512* (62,336)	46,512* (62,336)	46,512* (62,336)	46,294* (62,409)	316,454* (439,568)	451,171* (626,740)	217,253* (313,467)	-4,998* (6,698)	1,258,278* (1,754,869)
Public Institutional	-	155 (183)	155 (183)	155 (183)	155 (183)	350 (319)	2,452 (2,235)	3,502 (3,193)	856 (759)	-	7,781 (6,954)
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	46,383* (62,164)	47,781* (63,830)	49,313* (65,824)	50,354* (67,220)	56,046* (74,849)	55,977* (74,795)	382,957* (524,542)	542,407* (743,082)	261,804* (371,604)	-4,998* (6,698)	1,488,024* (2,049,544)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

Table K-38 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Renewable Generation by Sector and Year, Total Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	-	-	43* (65)	43* (65)	43* (65)	43* (65)	302* (458)	431* (655)	172* (262)	-	1,078* (1,635)
Commercial	325* (436)	1,115* (1,494)	2,603* (3,488)	3,644* (4,884)	9,336* (12,512)	9,289* (12,450)	63,747* (85,435)	87,299* (117,000)	43,521* (58,328)	-	220,879* (296,027)
Industrial	48,223* (64,629)	48,676* (65,237)	48,676* (65,237)	48,676* (65,237)	48,676* (65,237)	47,950* (65,487)	310,252* (468,545)	442,311* (668,139)	197,569* (342,432)	-16,692* (22,371)	1,224,318* (1,875,206)
Public Institutional	-	155 (183)	155 (183)	155 (183)	155 (183)	350 (319)	2,452 (2,235)	3,502 (3,193)	856 (759)	-	7,780 (6,954)
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	48,548* (65,065)	49,946* (66,731)	51,477* (68,725)	52,518* (70,121)	58,210* (77,749)	57,633* (77,872)	376,752* (553,313)	533,543* (784,198)	242,119* (399,972)	-16,692* (22,371)	1,454,055* (2,168,960)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-39 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Renewable Generation by Sector and Year, Average per Year Estimates, in Site MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	2010-2034	-	-	43* (65)	43* (65)	43* (65)	43* (65)	43* (65)	43* (65)	43* (65)	-	43* (65)
Commercial	2008-2036	325* (436)	1,115* (1,494)	2,603* (3,488)	3,644* (4,884)	9,336* (12,513)	9,290* (12,450)	9,107* (12,206)	8,730* (11,700)	7,254* (9,722)	-	7,617* (10,208)
Industrial	2008-2044	46,058* (61,728)	46,512* (62,336)	46,512* (62,336)	46,512* (62,336)	46,512* (62,336)	46,294* (62,409)	45,208* (62,795)	45,117* (62,674)	21,725* (31,347)	-1,249* (1,675)	34,008* (47,429)
Public Institutional	2009-2033	-	155 (183)	155 (183)	155 (183)	155 (183)	350 (319)	350 (319)	350 (319)	285 (253)	-	311 (278)
Private Institutional	n/a	-	-	-	-	-	-	-	-	-	-	-
Total	2008-2044	46,383* (62,164)	47,781* (63,830)	49,313* (65,824)	50,354* (67,220)	56,046* (74,849)	55,977* (74,795)	54,708* (74,935)	54,241* (74,308)	26,180* (37,160)	-1,249* (1,675)	40,217* (55,393)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-40 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Renewable Generation by Sector and Year, Average per Year Estimates, in Source MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	2010-2034	-	-	43* (65)	43* (65)	43* (65)	43* (65)	43* (65)	43* (65)	43* (65)	-	43* (65)
Commercial	2008-2036	325* (436)	1,115* (1,494)	2,603* (3,488)	3,644* (4,884)	9,336* (12,512)	9,289* (12,450)	9,107* (12,205)	8,730* (11,700)	7,254* (9,721)	-	7,617* (10,208)
Industrial	2008-2044	48,223* (64,629)	48,676* (65,237)	48,676* (65,237)	48,676* (65,237)	48,676* (65,237)	47,950* (65,487)	44,322* (66,935)	44,231* (66,814)	19,757* (34,243)	-4,173* (5,593)	33,090* (50,681)
Public Institutional	2009-2033	-	155 (183)	155 (183)	155 (183)	155 (183)	350 (319)	350 (319)	350 (319)	285 (253)	-	311 (278)
Private Institutional	n/a	-	-	-	-	-	-	-	-	-	-	-
Total	2008-2044	48,548* (65,065)	49,946* (66,731)	51,477* (68,725)	52,518* (70,121)	58,210* (77,749)	57,633* (77,872)	53,822* (79,045)	53,354* (78,420)	24,212* (39,997)	-4,173* (5,593)	39,299* (58,621)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-41 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Renewable Generation by Sector and Year, Row Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	-	-	4.0% (0.0%)	4.0% (0.0%)	4.0% (0.0%)	4.0% (0.0%)	28.0% (0.0%)	40.0% (0.0%)	16.0% (0.0%)	-	100.0% (0.0%)
Commercial	0.1% (0.0%)	0.5% (0.0%)	1.2% (0.0%)	1.6% (0.0%)	4.2% (0.0%)	4.2% (0.0%)	28.9% (0.0%)	39.5% (0.0%)	19.7% (0.0%)	-	100.0% (0.0%)
Industrial	3.9% (0.9%)	4.0% (0.9%)	4.0% (0.9%)	4.0% (0.9%)	4.0% (0.9%)	3.9% (0.8%)	25.3% (0.6%)	36.1% (0.9%)	16.1% (3.8%)	-1.4%* (3.2%)	100.0% (0.0%)
Public Institutional	-	2.0% (1.8%)	2.0% (1.8%)	2.0% (1.8%)	2.0% (1.8%)	4.5% (0.4%)	31.5% (3.1%)	45.0% (4.5%)	11.0% (0.9%)	-	100.0% (0.0%)
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	3.3% (0.6%)	3.4% (0.7%)	3.5% (0.7%)	3.6% (0.7%)	4.0% (0.8%)	4.0% (0.7%)	25.9% (0.7%)	36.7% (0.9%)	16.7% (3.1%)	-1.1%* (2.7%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-42 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Renewable Generation by Sector and Year, Column Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	-	-	0.1%* (0.2%)	0.1%* (0.2%)	0.1%* (0.1%)	0.1%* (0.2%)	0.1%* (0.2%)	0.1%* (0.2%)	0.1%* (0.2%)	-	0.1%* (0.2%)
Commercial	0.7% (0.0%)	2.2% (0.0%)	5.1% (0.0%)	6.9% (0.0%)	16.0% (0.1%)	16.1% (0.3%)	16.9% (2.8%)	16.4% (2.7%)	18.0% (6.8%)	-	15.2% (2.9%)
Industrial	99.3% (0.0%)	97.5% (0.5%)	94.6% (0.6%)	92.7% (0.6%)	83.6% (0.5%)	83.2% (1.3%)	82.3% (3.8%)	82.9% (3.7%)	81.6% (7.4%)	100.0% (0.0%)	84.2% (3.7%)
Public Institutional	-	0.3%* (0.6%)	0.3%* (0.5%)	0.3%* (0.5%)	0.3%* (0.5%)	0.6%* (1.1%)	0.7%* (1.2%)	0.7%* (1.2%)	0.4%* (0.7%)	-	0.5%* (1.0%)
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-43 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Renewable Generation by Fuel Type and Sector, Total Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated, Units=MWh	316* (479)	64,736* (86,761)	-9,188* (17,117)	2,280 (2,038)	-	58,144* (95,260)
Methane Produced, Units=KTherms	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	-	-	12,896* (17,284)	-	-	12,896* (17,284)
Biodiesel Production, Units=KTherms	-	-	-	-	-	-
Ethanol Production, Units=Site MMBtu	-	-	-	-	-	-
Other,	-	-	-	-	-	-

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Units=Site MMBtu						
Total, Units=Site MMBtu	1,078* (1,635)	220,888* (296,039)	-18,454* (67,809)	7,781 (6,954)	-	211,292* (342,090)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-44 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Renewable Generation by Fuel Type and Sector, Total Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated	1,078* (1,635)	220,879* (296,027)	-125,923* (184,331)	7,780 (6,954)	-	103,814* (394,082)
Methane Produced	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	-	-	1,350,241* (1,809,625)	-	-	1,350,241* (1,809,625)
Biodiesel Production	-	-	-	-	-	-
Ethanol Production	-	-	-	-	-	-
Other	-	-	-	-	-	-
Total	1,078* (1,635)	220,879* (296,027)	1,224,318* (1,875,206)	7,780 (6,954)	-	1,454,055* (2,168,960)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-45 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Renewable Generation by Fuel Type and Sector, Average per Year Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated, Units=MWh	13* (19)	2,232* (2,992)	-255* (475)	91 (82)	-	1,571* (2,575)
Methane Produced, Units=KTherms	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	-	-	461* (617)	-	-	461* (617)
Biodiesel Production, Units=KTherms	-	-	-	-	-	-
Ethanol Production, Units=Site MMBtu	-	-	-	-	-	-
Other,	-	-	-	-	-	-

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Units=Site MMBtu						
Total, Units=Site MMBtu	43* (65)	7,617* (10,208)	-499* (1,833)	311 (278)	-	5,711* (9,246)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-46 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Renewable Generation by Fuel Type and Sector, Average per Year Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated	43* (65)	7,617* (10,208)	-3,498* (5,120)	311 (278)	-	2,806* (10,651)
Methane Produced	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	-	-	48,223* (64,629)	-	-	48,223* (64,629)
Biodiesel Production	-	-	-	-	-	-
Ethanol Production	-	-	-	-	-	-
Other	-	-	-	-	-	-
Total	43* (65)	7,617* (10,208)	33,090* (50,681)	311 (278)	-	39,299* (58,621)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"" indicates estimate exhibits low precision.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-47 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Renewable Generation by Fuel Type and Sector, Row Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated	1.0%* (4.2%)	212.8%* (567.5%)	-121.3%* (599.0%)	7.5%* (29.5%)	-	100.0% (0.0%)
Methane Produced	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	-	-	100.0% (0.0%)	-	-	100.0% (0.0%)
Biodiesel Production	-	-	-	-	-	-
Ethanol Production	-	-	-	-	-	-
Other	-	-	-	-	-	-
Total	0.1%* (0.2%)	15.2% (2.9%)	84.2% (3.7%)	0.5%* (1.0%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-48 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Renewable Generation by Fuel Type and Sector, Column Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated	100.0% (0.0%)	100.0% (0.0%)	-10.3%* (25.8%)	100.0% (0.0%)	-	7.1%* (17.7%)
Methane Produced	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	-	-	110.3% (25.8%)	-	-	92.9% (17.7%)
Biodiesel Production	-	-	-	-	-	-
Ethanol Production	-	-	-	-	-	-
Other	-	-	-	-	-	-
Total	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-49 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Year, Total Estimates, in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	12,267 (10,228)	29,068 (18,804)	34,607 (19,295)	35,802 (20,105)	39,670 (20,632)	38,933 (20,273)	225,540 (118,849)	151,264 (113,267)	49,108 (54,255)	2,564* (3,319)	618,823 (343,246)
Natural Gas, Units=KTherms	1,199 (905)	1,402 (904)	1,445 (906)	1,542 (918)	1,557 (920)	1,527 (911)	9,347 (5,519)	9,095 (7,269)	4,028 (3,851)	371* (509)	31,513 (20,914)
Oil, Units=KTherms	-	-	-	-	-	-	-	-	-	-	1* (1)
Propane, Units=KTherms	-	3 (3)	3 (3)	3 (3)	3 (3)	3 (3)	20 (23)	8 (10)	-	-	42 (50)
Kerosene, Units=KTherms	-	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	-	-	-	1* (1)	3* (5)	3* (5)	22* (34)	22* (33)	-	-	51* (78)
Diesel, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	2,763 (3,265)	2,763 (3,265)	2,763 (3,265)	2,763 (3,265)	2,586 (3,057)	2,365 (2,796)	7,073 (8,360)	-	-	-	23,075 (27,274)
Other, Units=Site MMBtu	-	60 (71)	97 (90)	94 (88)	100 (93)	100 (93)	637 (598)	205* (311)	-	-	1,292 (1,236)
Total,	164,535	242,510	265,703	279,476	294,037	288,355	1,714,026	1,426,693	570,357	45,847*	5,291,538

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Units=Site MMBtu	(117,562)	(141,589)	(142,512)	(145,185)	(150,515)	(148,279)	(892,261)	(1,051,060)	(547,216)	(62,131)	(3,052,422)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-50 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Year, Total Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	139,797 (116,558)	331,264 (214,292)	394,387 (219,890)	407,999 (229,117)	452,087 (235,122)	443,683 (231,036)	2,570,276 (1,354,408)	1,723,817 (1,290,797)	559,634 (618,293)	29,217* (37,818)	7,052,161 (3,911,658)
Natural Gas	125,551 (94,701)	146,804 (94,650)	151,258 (94,808)	161,413 (96,160)	163,011 (96,280)	159,928 (95,395)	978,636 (577,867)	952,242 (761,051)	421,727 (403,201)	38,843* (53,285)	3,299,412 (2,189,728)
Oil	-	-	2* (3)	3* (5)	5* (8)	5* (8)	35* (54)	30* (45)	-	-	81* (123)
Propane	-	291 (344)	291 (344)	291 (344)	291 (344)	291 (344)	1,998 (2,360)	815 (962)	-	-	4,268 (5,042)
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	-	1* (1)	3* (5)	3* (5)	22* (34)	22* (33)	-	-	51* (78)
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	2,790 (3,298)	2,790 (3,298)	2,790 (3,298)	2,790 (3,298)	2,612 (3,087)	2,389 (2,824)	7,143 (8,443)	-	-	-	23,306 (27,547)
Other	-	60 (71)	97 (90)	94 (88)	100 (93)	100 (93)	637 (598)	205* (311)	-	-	1,292 (1,236)
Total	268,139 (194,909)	481,209 (286,323)	548,826 (290,688)	572,591 (299,114)	618,109 (311,205)	606,399 (305,908)	3,558,749 (1,819,829)	2,677,131 (1,933,527)	981,360 (976,492)	68,060* (90,900)	10,380,573 (5,708,141)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.



"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-51 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Year, Average per Year Estimates, in Original Site Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	2008-2050	12,267 (10,228)	29,068 (18,804)	34,607 (19,295)	35,802 (20,105)	39,670 (20,632)	38,933 (20,273)	32,220 (16,978)	15,126 (11,327)	4,911 (5,425)	256* (332)	14,391 (7,982)
Natural Gas, Units=KTherms	2008-2050	1,199 (905)	1,402 (904)	1,445 (906)	1,542 (918)	1,557 (920)	1,527 (911)	1,335 (788)	909 (727)	403 (385)	37* (51)	733 (486)
Oil, Units=KTherms	2010-2027	-	-	-	-	-	-	-	-	-	-	-
Propane, Units=KTherms	2009-2027	-	3 (3)	3 (3)	3 (3)	3 (3)	3 (3)	3 (3)	1 (1)	-	-	2 (3)
Kerosene, Units=KTherms	2011-2027	-	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	2011-2027	-	-	-	1* (1)	3* (5)	3* (5)	3* (5)	3* (5)	-	-	3* (5)
Diesel, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	2008-2017	2,763 (3,265)	2,763 (3,265)	2,763 (3,265)	2,763 (3,265)	2,586 (3,057)	2,365 (2,796)	1,768 (2,090)	-	-	-	2,307 (2,727)
Other, Units=Site MMBtu	2009-2027	-	60 (71)	97 (90)	94 (88)	100 (93)	100 (93)	91 (85)	29* (44)	-	-	68 (65)

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Total, Units=Site MMBtu	2008- 2050	164,535 (117,562)	242,510 (141,589)	265,703 (142,512)	279,476 (145,185)	294,037 (150,515)	288,355 (148,279)	244,861 (127,466)	142,669 (105,106)	57,036 (54,722)	4,585* (6,213)	123,059 (70,987)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-52 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Year, Average per Year Estimates, in Source MMBtu Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	2008-2050	139,797 (116,558)	331,264 (214,292)	394,387 (219,890)	407,999 (229,117)	452,087 (235,122)	443,683 (231,036)	367,182 (193,487)	172,382 (129,080)	55,963 (61,829)	2,922* (3,782)	164,004 (90,969)
Natural Gas	2008-2050	125,551 (94,701)	146,804 (94,650)	151,258 (94,808)	161,413 (96,160)	163,011 (96,280)	159,928 (95,395)	139,805 (82,552)	95,224 (76,105)	42,173 (40,320)	3,884* (5,328)	76,731 (50,924)
Oil	2010-2027	-	-	2* (3)	3* (5)	5* (8)	5* (8)	5* (8)	4* (6)	-	-	4* (7)
Propane	2009-2027	-	291 (344)	291 (344)	291 (344)	291 (344)	291 (344)	285 (337)	116 (137)	-	-	225 (265)
Kerosene	2011-2027	-	-	-	-	-	-	-	-	-	-	-
Wood	2011-2027	-	-	-	1* (1)	3* (5)	3* (5)	3* (5)	3* (5)	-	-	3* (5)
Diesel	n/a	-	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-	-
Gasoline	2008-2017	2,790 (3,298)	2,790 (3,298)	2,790 (3,298)	2,790 (3,298)	2,612 (3,087)	2,389 (2,824)	1,786 (2,111)	-	-	-	2,331 (2,755)
Other	2009-2027	-	60 (71)	97 (90)	94 (88)	100 (93)	100 (93)	91 (85)	29* (44)	-	-	68 (65)
Total	2008-2050	268,139 (194,909)	481,209 (286,323)	548,826 (290,688)	572,591 (299,114)	618,109 (311,205)	606,399 (305,908)	508,393 (259,976)	267,713 (193,353)	98,136 (97,649)	6,806* (9,090)	241,409 (132,747)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.



Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-53 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Year, Row Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	2.0% (1.0%)	4.7% (1.9%)	5.6% (1.9%)	5.8% (2.0%)	6.4% (1.9%)	6.3% (2.0%)	36.4% (7.2%)	24.4% (9.2%)	7.9% (6.1%)	0.4% (0.4%)	100.0% (0.0%)
Natural Gas	3.8% (1.5%)	4.4% (1.4%)	4.6% (1.4%)	4.9% (1.5%)	4.9% (1.4%)	4.8% (1.5%)	29.7% (4.9%)	28.9% (7.4%)	12.8% (5.4%)	1.2% (1.5%)	100.0% (0.0%)
Oil	-	-	2.7% (0.0%)	3.9% (0.0%)	6.3% (0.0%)	6.3% (0.0%)	43.8% (0.0%)	37.1% (0.0%)	-	-	100.0% (0.0%)
Propane	-	6.8% (0.0%)	6.8% (0.0%)	6.8% (0.0%)	6.8% (0.0%)	6.8% (0.0%)	46.8% (0.0%)	19.1% (0.0%)	-	-	100.0% (0.0%)
Kerosene	-	-	-	2.1% (0.0%)	6.3% (0.0%)	6.3% (0.0%)	43.8% (0.0%)	41.7% (0.0%)	-	-	100.0% (0.0%)
Wood	-	-	-	1.5% (0.0%)	6.3% (0.0%)	6.3% (0.0%)	43.8% (0.0%)	42.3% (0.0%)	-	-	100.0% (0.0%)
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	12.0% (0.0%)	12.0% (0.0%)	12.0% (0.0%)	12.0% (0.0%)	11.2% (0.0%)	10.3% (0.0%)	30.7% (0.0%)	-	-	-	100.0% (0.0%)
Other	-	4.7% (4.4%)	7.5% (1.6%)	7.3% (1.8%)	7.7% (1.4%)	7.7% (1.4%)	49.3% (5.2%)	15.9% (15.7%)	-	-	100.0% (0.0%)
Total	2.6% (1.0%)	4.6% (1.7%)	5.3% (1.7%)	5.5% (1.8%)	6.0% (1.7%)	5.8% (1.8%)	34.3% (6.4%)	25.8% (8.5%)	9.5% (6.0%)	0.7% (0.7%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-54 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Year, Column Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	52.1% (15.4%)	68.8% (11.2%)	71.9% (10.0%)	71.3% (10.1%)	73.1% (8.3%)	73.2% (8.4%)	72.2% (8.3%)	64.4% (12.3%)	57.0% (15.6%)	42.9% (4.8%)	67.9% (9.9%)
Natural Gas	46.8% (15.3%)	30.5% (11.1%)	27.6% (9.9%)	28.2% (10.1%)	26.4% (8.3%)	26.4% (8.4%)	27.5% (8.3%)	35.6% (12.3%)	43.0% (15.6%)	57.1% (4.8%)	31.8% (10.0%)
Oil	-	-	-	-	-	-	-	-	-	-	-
Propane	-	0.1%* (0.1%)	0.1% (0.1%)	0.1% (0.1%)	-	-	0.1% (0.1%)	-	-	-	-
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	-	-	-	-	-	-	-	-	-
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	1.0%* (1.4%)	0.6%* (0.8%)	0.5%* (0.7%)	0.5%* (0.6%)	0.4%* (0.5%)	0.4%* (0.5%)	0.2%* (0.3%)	-	-	-	0.2%* (0.3%)
Other	-	-	-	-	-	-	-	-	-	-	-
Total	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-55 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and Year, Total Estimates, in Site MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	3,079 (2,606)	17,718 (19,836)	24,252 (27,015)	27,013 (27,962)	30,304 (26,498)	30,389 (26,499)	87,384 (55,631)	63,377 (29,704)	15,220 (11,237)	2,940 (2,244)	301,675 (145,951)
Commercial	325* (436)	2,748 (2,893)	6,021 (5,346)	8,986 (6,695)	18,007 (14,312)	17,960 (14,257)	124,443 (98,307)	112,282 (118,533)	43,523* (58,331)	-	334,295 (308,504)
Industrial	47,119* (61,741)	50,782 (62,540)	50,782 (62,540)	50,782 (62,540)	50,782 (62,540)	50,782 (62,540)	343,268* (436,851)	469,592* (622,176)	230,291* (308,641)	-	1,344,177* (1,741,373)
Public Institutional	72,685 (53,050)	119,912 (70,278)	134,137 (73,664)	141,008 (77,212)	142,239 (78,831)	136,629 (74,910)	902,498 (530,428)	751,322 (748,511)	281,324* (406,002)	42,907* (62,112)	2,724,660 (1,976,547)
Private Institutional	41,326* (56,403)	51,350* (70,083)	50,511* (68,938)	51,688* (70,545)	52,706* (71,934)	52,595* (71,782)	256,434* (349,985)	30,121* (41,109)	-	-	586,730* (800,779)
Total	164,535 (117,562)	242,510 (141,589)	265,703 (142,512)	279,476 (145,185)	294,037 (150,515)	288,355 (148,279)	1,714,026 (892,261)	1,426,693 (1,051,060)	570,357 (547,216)	45,847* (62,131)	5,291,538 (3,052,422)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

Table K-56 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and Year, Total Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	5,333 (4,732)	50,848* (66,206)	69,365* (91,219)	76,627 (95,679)	83,940 (91,511)	84,054 (91,512)	165,789 (102,343)	86,465 (37,841)	20,029 (13,253)	5,366 (5,100)	647,815 (454,028)
Commercial	1,087* (1,456)	9,177 (9,662)	18,646 (18,560)	26,863 (22,734)	54,461 (45,367)	54,306 (45,176)	375,871 (310,970)	349,756 (394,964)	145,361* (194,817)	-	1,035,528 (1,016,417)
Industrial	51,766 (64,765)	56,831 (67,184)	56,831 (67,184)	56,831 (67,184)	56,831 (67,184)	56,831 (67,184)	384,930 (468,631)	500,566* (662,570)	241,114* (323,147)	-	1,462,530* (1,852,749)
Public Institutional	134,574 (100,284)	252,344 (148,659)	294,533 (159,655)	299,281 (165,422)	306,490 (171,276)	295,190 (162,788)	2,022,291 (1,193,190)	1,660,395 (1,621,046)	574,855* (828,011)	62,695* (90,757)	5,902,649 (4,252,591)
Private Institutional	75,379* (102,879)	112,009* (152,872)	109,451* (149,381)	112,988* (154,208)	116,387* (158,847)	116,017* (158,343)	609,868* (832,359)	79,948* (109,115)	-	-	1,332,049* (1,818,004)
Total	268,139 (194,909)	481,209 (286,323)	548,826 (290,688)	572,591 (299,114)	618,109 (311,205)	606,399 (305,908)	3,558,749 (1,819,829)	2,677,131 (1,933,527)	981,360 (976,492)	68,060* (90,900)	10,380,573 (5,708,141)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-57 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and Year, Average per Year Estimates, in Site MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	2008-2050	3,079 (2,606)	17,718 (19,836)	24,252 (27,015)	27,013 (27,962)	30,304 (26,498)	30,389 (26,499)	12,483 (7,947)	6,338 (2,970)	1,522 (1,124)	294 (224)	7,016 (3,394)
Commercial	2008-2036	325* (436)	2,748 (2,893)	6,021 (5,346)	8,986 (6,695)	18,007 (14,312)	17,960 (14,257)	17,778 (14,044)	11,228 (11,853)	7,254* (9,722)	-	11,527 (10,638)
Industrial	2008-2035	47,119* (61,741)	50,782 (62,540)	50,782 (62,540)	50,782 (62,540)	50,782 (62,540)	50,782 (62,540)	49,038* (62,407)	46,959* (62,218)	46,058* (61,728)	-	48,006* (62,192)
Public Institutional	2008-2047	72,685 (53,050)	119,912 (70,278)	134,137 (73,664)	141,008 (77,212)	142,239 (78,831)	136,629 (74,910)	128,928 (75,775)	75,132 (74,851)	28,132* (40,600)	6,130* (8,873)	68,117 (49,414)
Private Institutional	2008-2030	41,326* (56,403)	51,350* (70,083)	50,511* (68,938)	51,688* (70,545)	52,706* (71,934)	52,595* (71,782)	36,633* (49,998)	3,012* (4,111)	-	-	25,510* (34,816)
Total	2008-2050	164,535 (117,562)	242,510 (141,589)	265,703 (142,512)	279,476 (145,185)	294,037 (150,515)	288,355 (148,279)	244,861 (127,466)	142,669 (105,106)	57,036 (54,722)	4,585* (6,213)	123,059 (70,987)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-58 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and Year, Average per Year Estimates, in Source MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	2008-2050	5,333 (4,732)	50,848* (66,206)	69,365* (91,219)	76,627 (95,679)	83,940 (91,511)	84,054 (91,512)	23,684 (14,620)	8,647 (3,784)	2,003 (1,325)	537 (510)	15,065 (10,559)
Commercial	2008-2036	1,087* (1,456)	9,177 (9,662)	18,646 (18,560)	26,863 (22,734)	54,461 (45,367)	54,306 (45,176)	53,696 (44,424)	34,976 (39,496)	24,227* (32,469)	-	35,708 (35,049)
Industrial	2008-2035	51,766 (64,765)	56,831 (67,184)	56,831 (67,184)	56,831 (67,184)	56,831 (67,184)	56,831 (67,184)	54,990 (66,947)	50,057* (66,257)	48,223* (64,629)	-	52,233* (66,170)
Public Institutional	2008-2047	134,574 (100,284)	252,344 (148,659)	294,533 (159,655)	299,281 (165,422)	306,490 (171,276)	295,190 (162,788)	288,899 (170,456)	166,039 (162,105)	57,486* (82,801)	8,956* (12,965)	147,566 (106,315)
Private Institutional	2008-2030	75,379* (102,879)	112,009* (152,872)	109,451* (149,381)	112,988* (154,208)	116,387* (158,847)	116,017* (158,343)	87,124* (118,908)	7,995* (10,911)	-	-	57,915* (79,044)
Total	2008-2050	268,139 (194,909)	481,209 (286,323)	548,826 (290,688)	572,591 (299,114)	618,109 (311,205)	606,399 (305,908)	508,393 (259,976)	267,713 (193,353)	98,136 (97,649)	6,806* (9,090)	241,409 (132,747)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-59 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and Year, Row Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	0.8% (0.7%)	7.8% (5.6%)	10.7% (7.6%)	11.8% (7.5%)	13.0% (5.8%)	13.0% (5.8%)	25.6% (20.2%)	13.3% (10.0%)	3.1% (2.3%)	0.8% (0.9%)	100.0% (0.0%)
Commercial	0.1% (0.0%)	0.9% (0.8%)	1.8% (1.3%)	2.6% (1.4%)	5.3% (1.2%)	5.2% (1.2%)	36.3% (8.5%)	33.8% (6.4%)	14.0% (6.3%)	-	100.0% (0.0%)
Industrial	3.5% (0.1%)	3.9% (0.5%)	3.9% (0.5%)	3.9% (0.5%)	3.9% (0.5%)	3.9% (0.5%)	26.3% (1.9%)	34.2% (2.7%)	16.5% (1.7%)	-	100.0% (0.0%)
Public Institutional	2.3% (1.1%)	4.3% (1.8%)	5.0% (2.0%)	5.1% (1.9%)	5.2% (1.9%)	5.0% (2.0%)	34.3% (8.8%)	28.1% (9.5%)	9.7% (8.5%)	1.1% (0.9%)	100.0% (0.0%)
Private Institutional	5.7% (0.0%)	8.4% (0.0%)	8.2% (0.0%)	8.5% (0.0%)	8.7% (0.0%)	8.7% (0.0%)	45.8% (0.0%)	6.0% (0.0%)	-	-	100.0% (0.0%)
Total	2.6% (1.0%)	4.6% (1.7%)	5.3% (1.7%)	5.5% (1.8%)	6.0% (1.7%)	5.8% (1.8%)	34.3% (6.4%)	25.8% (8.5%)	9.5% (6.0%)	0.7% (0.7%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-60 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and Year, Column Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	2.0% (2.0%)	10.6%* (13.6%)	12.6%* (16.0%)	13.4% (16.2%)	13.6% (14.8%)	13.9% (15.1%)	4.7% (3.8%)	3.2% (2.8%)	2.0% (2.3%)	7.9%* (12.6%)	6.2% (5.5%)
Commercial	0.4%* (0.5%)	1.9% (1.9%)	3.4% (3.1%)	4.7% (3.8%)	8.8% (7.1%)	9.0% (7.2%)	10.6% (8.5%)	13.1% (12.6%)	14.8% (17.4%)	-	10.0% (8.6%)
Industrial	19.3% (23.5%)	11.8% (14.1%)	10.4% (12.1%)	9.9% (11.6%)	9.2% (10.3%)	9.4% (10.5%)	10.8% (12.1%)	18.7% (20.8%)	24.6% (28.8%)	-	14.1% (15.6%)
Public Institutional	50.2% (20.5%)	52.4% (18.5%)	53.7% (20.0%)	52.3% (20.1%)	49.6% (19.3%)	48.7% (19.1%)	56.8% (20.7%)	62.0% (33.7%)	58.6% (46.7%)	92.1% (12.6%)	56.9% (24.6%)
Private Institutional	28.1% (23.5%)	23.3% (21.5%)	19.9% (19.8%)	19.7% (19.7%)	18.8% (19.1%)	19.1% (19.2%)	17.1% (18.3%)	3.0%* (4.4%)	-	-	12.8% (15.3%)
Total	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-61 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Total Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity, Units=MWh	42,435 (40,795)	87,623 (89,059)	7,057 (6,302)	389,968 (280,405)	91,741* (125,210)	618,823 (343,246)
Natural Gas, Units=KTherms	1,561 (839)	353* (535)	13,194* (17,287)	13,667 (10,373)	2,737* (3,735)	31,513 (20,914)
Oil, Units=KTherms	1* (1)	-	-	-	-	1* (1)
Propane, Units=KTherms	-	-	-	42 (50)	-	42 (50)
Kerosene, Units=KTherms	-	-	-	-	-	-
Wood, Units=Site MMBtu	51* (78)	-	-	-	-	51* (78)
Diesel, Units=Site MMBtu	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	-	-	-	23,075 (27,274)	-	23,075 (27,274)
Other, Units=Site MMBtu	630* (956)	-	662 (783)	-	-	1,292 (1,236)

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Total, Units=Site MMBtu	301,675 (145,951)	334,295 (308,504)	1,344,177* (1,741,373)	2,724,660 (1,976,547)	586,730* (800,779)	5,291,538 (3,052,422)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-62 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Total Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	483,597 (464,905)	998,553 (1,014,926)	80,418 (71,824)	4,444,104 (3,195,515)	1,045,489* (1,426,902)	7,052,161 (3,911,658)
Natural Gas	163,452 (87,800)	36,975* (56,002)	1,381,450* (1,810,001)	1,430,974 (1,086,062)	286,560* (391,102)	3,299,412 (2,189,728)
Oil	81* (123)	-	-	-	-	81* (123)
Propane	3* (5)	-	-	4,265 (5,042)	-	4,268 (5,042)
Kerosene	-	-	-	-	-	-
Wood	51* (78)	-	-	-	-	51* (78)
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	23,306 (27,547)	-	23,306 (27,547)
Other	630* (956)	-	662 (783)	-	-	1,292 (1,236)
Total	647,815 (454,028)	1,035,528 (1,016,417)	1,462,530* (1,852,749)	5,902,649 (4,252,591)	1,332,049* (1,818,004)	10,380,573 (5,708,141)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-63 PY 2008 Period BPAC, Total Over All Evaluated BPACs
 SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Average per Year Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity, Units=MWh	987 (949)	3,021 (3,071)	336 (300)	9,749 (7,010)	4,369* (5,962)	14,391 (7,982)
Natural Gas, Units=KTherms	36 (20)	22* (33)	471* (617)	342 (259)	119* (162)	733 (486)
Oil, Units=KTherms	-	-	-	-	-	-
Propane, Units=KTherms	-	-	-	3 (3)	-	2 (3)
Kerosene, Units=KTherms	-	-	-	-	-	-
Wood, Units=Site MMBtu	3* (5)	-	-	-	-	3* (5)
Diesel, Units=Site MMBtu	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	-	-	-	2,307 (2,727)	-	2,307 (2,727)
Other, Units=Site MMBtu	35* (53)	-	60 (71)	-	-	68 (65)

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Total, Units=Site MMBtu	7,016 (3,394)	11,527 (10,638)	48,006* (62,192)	68,117 (49,414)	25,510* (34,816)	123,059 (70,987)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-64 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Average per Year Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	11,246 (10,812)	34,433 (34,997)	3,829 (3,420)	111,103 (79,888)	49,785* (67,948)	164,004 (90,969)
Natural Gas	3,801 (2,042)	2,311* (3,500)	49,338* (64,643)	35,774 (27,152)	12,459* (17,004)	76,731 (50,924)
Oil	4* (7)	-	-	-	-	4* (7)
Propane	-	-	-	284 (336)	-	225 (265)
Kerosene	-	-	-	-	-	-
Wood	3* (5)	-	-	-	-	3* (5)
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	2,331 (2,755)	-	2,331 (2,755)
Other	35* (53)	-	60 (71)	-	-	68 (65)
Total	15,065 (10,559)	35,708 (35,049)	52,233* (66,170)	147,566 (106,315)	57,915* (79,044)	241,409 (132,747)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period. Estimates that round to zero during the impact period will not be displayed due to suppression.



Table K-65 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Row Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	6.9% (7.3%)	14.2% (14.4%)	1.1% (1.2%)	63.0% (22.2%)	14.8% (17.1%)	100.0% (0.0%)
Natural Gas	5.0% (4.2%)	1.1%* (1.8%)	41.9% (35.5%)	43.4% (30.1%)	8.7%* (11.6%)	100.0% (0.0%)
Oil	100.0% (0.0%)	-	-	-	-	100.0% (0.0%)
Propane	0.1%* (0.1%)	-	-	99.9% (0.1%)	-	100.0% (0.0%)
Kerosene	100.0% (0.0%)	-	-	-	-	100.0% (0.0%)
Wood	100.0% (0.0%)	-	-	-	-	100.0% (0.0%)
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	100.0% (0.0%)	-	100.0% (0.0%)
Other	48.8% (48.0%)	-	51.2% (48.0%)	-	-	100.0% (0.0%)
Total	6.2% (5.5%)	10.0% (8.6%)	14.1% (15.6%)	56.9% (24.6%)	12.8% (15.3%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-66 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Column Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	74.7% (22.6%)	96.4% (6.3%)	5.5% (5.6%)	75.3% (3.7%)	78.5% (0.0%)	67.9% (9.9%)
Natural Gas	25.2% (22.7%)	3.6%* (6.3%)	94.5% (5.7%)	24.2% (3.8%)	21.5% (0.0%)	31.8% (10.0%)
Oil	-	-	-	-	-	-
Propane	-	-	-	0.1%* (0.1%)	-	-
Kerosene	-	-	-	-	-	-
Wood	-	-	-	-	-	-
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	0.4%* (0.5%)	-	0.2%* (0.3%)
Other	0.1% (0.1%)	-	-	-	-	-
Total	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-67 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Bill Savings by Fuel Type and Year, Total Estimates, in Thousand 2009 Dollars

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	\$1,426	\$3,033	\$3,720	\$3,911	\$4,295	\$4,200	\$22,748	\$15,780	\$5,347	\$304*	\$64,764
Natural Gas	\$1,380	\$1,167	\$1,202	\$1,329	\$1,253	\$1,242	\$8,074	\$8,881	\$4,271	\$445*	\$29,242
Oil	-	-	-	-	-	-	\$1*	\$1*	-	-	\$2*
Propane	-	\$5	\$6	\$6	\$6	\$6	\$40	\$18	-	-	\$86
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	-	-	-	-	-	-	-	-	\$1*
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	\$74	\$52	\$54	\$57	\$56	\$54	\$175	-	-	-	\$522
Other	-	\$1	\$1	\$1	\$1	\$1	\$9	\$3*	-	-	\$18
Total	\$2,879	\$4,257	\$4,984	\$5,304	\$5,611	\$5,503	\$31,047	\$24,683	\$9,617	\$749*	\$94,634

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-68 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Bill Savings by Fuel Type and Year, Row Percent Estimates, in Thousand 2009 Dollars

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	2.2%	4.7%	5.7%	6.0%	6.6%	6.5%	35.1%	24.4%	8.3%	0.5%	100.0%
Natural Gas	4.7%	4.0%	4.1%	4.5%	4.3%	4.2%	27.6%	30.4%	14.6%	1.5%	100.0%
Oil	-	-	2.6%	3.8%	6.1%	6.1%	42.8%	38.6%	-	-	100.0%
Propane	-	6.2%	6.6%	6.6%	6.6%	6.7%	46.7%	20.7%	-	-	100.0%
Kerosene	-	-	-	1.7%	5.4%	5.3%	42.2%	45.3%	-	-	100.0%
Wood	-	-	-	1.1%	5.3%	5.5%	43.2%	44.9%	-	-	100.0%
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	14.1%	9.9%	10.4%	10.9%	10.7%	10.3%	33.6%	-	-	-	100.0%
Other	-	4.4%	7.1%	6.9%	7.3%	7.3%	48.7%	18.4%	-	-	100.0%
Total	3.0%	4.5%	5.3%	5.6%	5.9%	5.8%	32.8%	26.1%	10.2%	0.8%	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-69

PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Bill Savings by Fuel Type and Year, Column Percent Estimates, in Thousand 2009 Dollars

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	49.5%	71.2%	74.7%	73.7%	76.5%	76.3%	73.3%	63.9%	55.6%	40.5%	68.4%
Natural Gas	47.9%	27.4%	24.1%	25.1%	22.3%	22.6%	26.0%	36.0%	44.4%	59.5%	30.9%
Oil	-	-	-	-	-	-	-	-	-	-	-
Propane	-	0.1%*	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%*	-	-	0.1%
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	-	-	-	-	-	-	-	-	-
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	2.6%*	1.2%*	1.1%*	1.1%*	1.0%*	1.0%*	0.6%*	-	-	-	0.6%*
Other	-	-	-	-	-	-	-	-	-	-	-
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-70

PY 2008 Period BPAC, Total Over All Evaluated BPACs

SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Fuel Type and Year, SEP-Attributable Energy in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	\$116.23	\$104.33	\$107.50	\$109.23	\$108.27	\$107.88	\$100.86	\$104.32	\$108.88	\$118.43*	\$104.66
Natural Gas, Units=KTher ms	\$1,150.59	\$832.02	\$831.95	\$862.07	\$804.67	\$812.97	\$863.76	\$976.44	\$1,060.27	\$1,199.97*	\$927.94
Oil, Units=KTher ms	-	-	\$1,938.39*	\$1,942.48*	\$1,946.57*	\$1,950.67*	\$1,967.19*	\$2,091.35*	-	-	\$2,009.13*
Propane, Units=KTher ms	-	\$1,851.44	\$1,962.60	\$1,972.55	\$1,982.54	\$1,992.38	\$2,031.88	\$2,208.80	-	-	\$2,038.56
Kerosene, Units=KTher ms	-	-	-	\$2,581.68*	\$2,696.19*	\$2,658.63*	\$2,998.70*	\$3,385.39*	-	-	\$3,110.89*
Wood, Units=Site MMBtu	-	-	-	\$10.94*	\$11.96*	\$12.48*	\$14.02*	\$15.10*	-	-	\$14.20*
Diesel, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	\$26.62	\$18.79	\$19.71	\$20.67	\$21.68	\$22.75	\$24.77	-	-	-	\$22.63
Other, Units=Site MMBtu	-	\$13.43	\$13.39	\$13.36	\$13.33	\$13.29	\$13.94	\$16.31*	-	-	\$14.11
Total, Units=Site	\$17.50	\$17.56	\$18.76	\$18.98	\$19.08	\$19.08	\$18.11	\$17.30	\$16.86	\$16.33*	\$17.88

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
MMBtu											

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-71

PY 2008 Period BPAC, Total Over All Evaluated BPACs

SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Fuel Type and Year, SEP-Attributable Energy in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	\$10.20	\$9.16	\$9.43	\$9.58	\$9.50	\$9.47	\$8.85	\$9.15	\$9.55	\$10.39*	\$9.18
Natural Gas	\$10.99	\$7.95	\$7.95	\$8.23	\$7.69	\$7.76	\$8.25	\$9.33	\$10.13	\$11.46*	\$8.86
Oil	-	-	\$19.19*	\$19.23*	\$19.27*	\$19.31*	\$19.48*	\$20.71*	-	-	\$19.89*
Propane	-	\$18.33	\$19.43	\$19.53	\$19.63	\$19.73	\$20.12	\$21.87	-	-	\$20.18
Kerosene	-	-	-	\$25.56*	\$26.69*	\$26.32*	\$29.69*	\$33.52*	-	-	\$30.80*
Wood	-	-	-	\$10.94*	\$11.96*	\$12.48*	\$14.02*	\$15.10*	-	-	\$14.20*
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	\$26.36	\$18.60	\$19.51	\$20.47	\$21.47	\$22.52	\$24.53	-	-	-	\$22.40
Other	-	\$13.43	\$13.39	\$13.36	\$13.33	\$13.29	\$13.94	\$16.31*	-	-	\$14.11
Total	\$10.74	\$8.85	\$9.08	\$9.26	\$9.08	\$9.07	\$8.72	\$9.22	\$9.80	\$11.00*	\$9.12

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-72 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Bill Savings by Sector and Year, Total Estimates, in Thousand 2009 Dollars

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	\$59	\$596*	\$865*	\$998	\$1,090	\$1,090	\$1,995	\$998	\$216	\$64	\$7,972
Commercial	\$10*	\$89	\$191	\$291	\$577	\$573	\$3,904	\$3,438	\$1,411*	-	\$10,486
Industrial	\$573	\$418	\$420	\$447	\$411	\$415	\$2,975	\$4,446*	\$2,489*	-	\$12,594*
Public Institutional	\$1,430	\$2,265	\$2,659	\$2,737	\$2,735	\$2,630	\$18,052	\$15,264	\$5,501*	\$685*	\$53,958
Private Institutional	\$807*	\$889*	\$848*	\$831*	\$798*	\$794*	\$4,121*	\$536*	-	-	\$9,625*
Total	\$2,879	\$4,257	\$4,984	\$5,304	\$5,611	\$5,503	\$31,047	\$24,683	\$9,617	\$749*	\$94,634

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

""*"" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-73 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Bill Savings by Sector and Year, Row Percent Estimates, in Thousand 2009 Dollars

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	0.7%	7.5%	10.9%	12.5%	13.7%	13.7%	25.0%	12.5%	2.7%	0.8%	100.0%
Commercial	0.1%	0.9%	1.8%	2.8%	5.5%	5.5%	37.2%	32.8%	13.5%	-	100.0%
Industrial	4.5%	3.3%	3.3%	3.5%	3.3%	3.3%	23.6%	35.3%	19.8%	-	100.0%
Public Institutional	2.7%	4.2%	4.9%	5.1%	5.1%	4.9%	33.5%	28.3%	10.2%	1.3%	100.0%
Private Institutional	8.4%	9.2%	8.8%	8.6%	8.3%	8.2%	42.8%	5.6%	-	-	100.0%
Total	3.0%	4.5%	5.3%	5.6%	5.9%	5.8%	32.8%	26.1%	10.2%	0.8%	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-74 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Bill Savings by Sector and Year, Column Percent Estimates, in Thousand 2009 Dollars

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	2.1%	14.0%*	17.4%*	18.8%	19.4%	19.8%	6.4%	4.0%	2.2%	8.5%*	8.4%
Commercial	0.4%*	2.1%	3.8%	5.5%	10.3%	10.4%	12.6%	13.9%	14.7%	-	11.1%
Industrial	19.9%	9.8%	8.4%	8.4%	7.3%	7.5%	9.6%	18.0%	25.9%	-	13.3%
Public Institutional	49.7%	53.2%	53.4%	51.6%	48.7%	47.8%	58.1%	61.8%	57.2%	91.5%	57.0%
Private Institutional	28.0%	20.9%	17.0%	15.7%	14.2%	14.4%	13.3%	2.2%*	-	-	10.2%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-75

PY 2008 Period BPAC, Total Over All Evaluated BPACs

SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Sector and Year, SEP-Attributable Energy in Site MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	\$19.27	\$33.62	\$35.67	\$36.93	\$35.98	\$35.88	\$22.84	\$15.75	\$14.21	\$21.61	\$26.43
Commercial	\$31.67*	\$32.54	\$31.69	\$32.37	\$32.05	\$31.92	\$31.37	\$30.62	\$32.43*	-	\$31.37
Industrial	\$12.15*	\$8.24	\$8.28	\$8.80	\$8.08	\$8.18	\$8.67*	\$9.47*	\$10.81*	-	\$9.37*
Public Institutional	\$19.68	\$18.89	\$19.82	\$19.41	\$19.23	\$19.25	\$20.00	\$20.32	\$19.55*	\$15.97*	\$19.80
Private Institutional	\$19.52*	\$17.32*	\$16.80*	\$16.08*	\$15.15*	\$15.10*	\$16.07*	\$17.80*	-	-	\$16.40*
Total	\$17.50	\$17.56	\$18.76	\$18.98	\$19.08	\$19.08	\$18.11	\$17.30	\$16.86	\$16.33*	\$17.88

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

""*"" indicates estimate exhibits low precision.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-76

PY 2008 Period BPAC, Total Over All Evaluated BPACs

SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Sector and Year, SEP-Attributable Energy in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	\$11.13	\$11.72*	\$12.47*	\$13.02	\$12.99	\$12.97	\$12.04	\$11.55	\$10.80	\$11.84	\$12.31
Commercial	\$9.48*	\$9.74	\$10.23	\$10.83	\$10.60	\$10.56	\$10.39	\$9.83	\$9.71*	-	\$10.13
Industrial	\$11.06	\$7.36	\$7.40	\$7.86	\$7.22	\$7.31	\$7.73	\$8.88*	\$10.32*	-	\$8.61*
Public Institutional	\$10.63	\$8.97	\$9.03	\$9.15	\$8.92	\$8.91	\$8.93	\$9.19	\$9.57*	\$10.93*	\$9.14
Private Institutional	\$10.70*	\$7.94*	\$7.75*	\$7.35*	\$6.86*	\$6.84*	\$6.76*	\$6.70*	-	-	\$7.23*
Total	\$10.74	\$8.85	\$9.08	\$9.26	\$9.08	\$9.07	\$8.72	\$9.22	\$9.80	\$11.00*	\$9.12

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-77 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Bill Savings by Fuel Type and Sector, Total Estimates, in Thousand 2009 Dollars

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	\$5,954	\$9,975	\$651	\$40,771	\$7,413*	\$64,764
Natural Gas	\$2,006	\$511*	\$11,934*	\$12,579	\$2,211*	\$29,242
Oil	\$2*	-	-	-	-	\$2*
Propane	-	-	-	\$86	-	\$86
Kerosene	-	-	-	-	-	-
Wood	\$1*	-	-	-	-	\$1*
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	\$522	-	\$522
Other	\$9*	-	\$9	-	-	\$18
Total	\$7,972	\$10,486	\$12,594*	\$53,958	\$9,625*	\$94,634

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-78 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Bill Savings by Fuel Type and Sector, Row Percent Estimates, in Thousand 2009 Dollars

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	9.2%	15.4%	1.0%	63.0%	11.4%	100.0%
Natural Gas	6.9%	1.7%*	40.8%	43.0%	7.6%*	100.0%
Oil	100.0%	-	-	-	-	100.0%
Propane	0.1%*	-	-	99.9%	-	100.0%
Kerosene	100.0%	-	-	-	-	100.0%
Wood	100.0%	-	-	-	-	100.0%
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	100.0%	-	100.0%
Other	50.5%	-	49.5%	-	-	100.0%
Total	8.4%	11.1%	13.3%	57.0%	10.2%	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-79 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Bill Savings by Fuel Type and Sector, Column Percent Estimates, in Thousand 2009 Dollars

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	74.7%	95.1%	5.2%	75.6%	77.0%	68.4%
Natural Gas	25.2%	4.9%*	94.8%	23.3%	23.0%	30.9%
Oil	-	-	-	-	-	-
Propane	-	-	-	0.2%*	-	0.1%
Kerosene	-	-	-	-	-	-
Wood	-	-	-	-	-	-
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	1.0%*	-	0.6%*
Other	0.1%	-	0.1%*	-	-	-
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-80

PY 2008 Period BPAC, Total Over All Evaluated BPACs

SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Fuel Type and Sector, SEP-Attributable Energy in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity, Units=MWh	\$140.31	\$113.84	\$92.19	\$104.55	\$80.81*	\$104.66
Natural Gas, Units=KTherms	\$1,285.26	\$1,447.50*	\$904.48*	\$920.37	\$807.96*	\$927.94
Oil, Units=KTherms	\$2,009.13*	-	-	-	-	\$2,009.13*
Propane, Units=KTherms	\$2,473.76*	-	-	\$2,038.25	-	\$2,038.56
Kerosene, Units=KTherms	\$3,110.89*	-	-	-	-	\$3,110.89*
Wood, Units=Site MMBtu	\$14.20*	-	-	-	-	\$14.20*
Diesel, Units=Site MMBtu	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	-	-	-	\$22.63	-	\$22.63
Other, Units=Site MMBtu	\$14.62*	-	\$13.63	-	-	\$14.11
Total,	\$26.43	\$31.37	\$9.37*	\$19.80	\$16.40*	\$17.88

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Units=Site MMBtu						

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-81 PY 2008 Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Fuel Type and Sector, SEP-Attributable Energy in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	\$12.31	\$9.99	\$8.09	\$9.17	\$7.09*	\$9.18
Natural Gas	\$12.28	\$13.83*	\$8.64*	\$8.79	\$7.72*	\$8.86
Oil	\$19.89*	-	-	-	-	\$19.89*
Propane	\$24.49*	-	-	\$20.18	-	\$20.18
Kerosene	\$30.80*	-	-	-	-	\$30.80*
Wood	\$14.20*	-	-	-	-	\$14.20*
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	\$22.40	-	\$22.40
Other	\$14.62*	-	\$13.63	-	-	\$14.11
Total	\$12.31	\$10.13	\$8.61*	\$9.14	\$7.23*	\$9.12

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-82 PY 2008 Period BPAC, Building Retrofits
Overall Energy Savings by Fuel Type and Year, Total Estimates, in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	920 (1,008)	19,396 (13,230)	21,185 (14,835)	20,405 (14,805)	20,428 (14,805)	20,431 (14,805)	139,853 (100,768)	74,823 (54,524)	669* (1,029)	575* (915)	318,686 (222,603)
Natural Gas, Units=KTher ms	199 (218)	1,772 (1,710)	1,805 (1,742)	1,807 (1,742)	1,808 (1,742)	1,808 (1,742)	12,317 (12,151)	5,800 (5,270)	37* (59)	-	27,354 (26,097)
Oil, Units=KTher ms	-	-	-	-	-	-	-	-	-	-	-
Propane, Units=KTher ms	-	-	-	-	-	-	-	-	-	-	-
Kerosene, Units=KTher ms	-	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	-	-	-1,224* (1,946)	-1,224* (1,946)	-1,224* (1,946)	-1,224* (1,946)	-8,569* (13,625)	-11,018* (17,518)	-	-	-24,484* (38,928)
Diesel, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Other, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Total, Units=Site	23,080 (25,141)	243,378 (207,324)	251,546 (218,204)	249,077 (217,834)	249,325 (217,837)	249,337 (217,837)	1,700,347 (1,508,077)	824,244 (650,098)	5,976* (9,384)	1,963* (3,122)	3,798,274 (3,225,755)

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
MMBtu							)				)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-83 PY 2008 Period BPAC, Building Retrofits
Overall Energy Savings by Fuel Type and Year, Total Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	10,486 (11,490)	221,040 (150,770)	241,431 (169,055)	232,536 (168,716)	232,795 (168,723)	232,836 (168,724)	1,593,775 (1,148,364)	852,693 (621,358)	7,623* (11,729)	6,557* (10,426)	3,631,773 (2,536,800)
Natural Gas	20,877 (22,807)	185,524 (179,069)	188,965 (182,397)	189,169 (182,402)	189,347 (182,407)	189,347 (182,407)	1,289,609 (1,272,170)	607,211 (551,723)	3,868* (6,149)	-	2,863,918 (2,732,405)
Oil	-	-	-	-	-	-	-	-	-	-	-
Propane	-	-	-	-	-	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	-1,224* (1,946)	-1,224* (1,946)	-1,224* (1,946)	-1,224* (1,946)	-8,569* (13,625)	-11,018* (17,518)	-	-	-24,484* (38,928)
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
Total	31,364 (34,084)	406,564 (309,338)	429,172 (336,564)	420,480 (335,604)	420,919 (335,613)	420,959 (335,614)	2,874,815 (2,305,404)	1,448,887 (1,038,024)	11,490* (17,876)	6,557* (10,426)	6,471,207 (4,945,952)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.



Table K-84 PY 2008 Period BPAC, Building Retrofits
Overall Energy Savings by Fuel Type and Year, Average per Year Estimates, in Original Site Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	2008-2050	920 (1,008)	19,396 (13,230)	21,185 (14,835)	20,405 (14,805)	20,428 (14,805)	20,431 (14,805)	19,979 (14,395)	7,482 (5,452)	67* (103)	58* (91)	7,411 (5,177)
Natural Gas, Units=KTherms	2008-2036	199 (218)	1,772 (1,710)	1,805 (1,742)	1,807 (1,742)	1,808 (1,742)	1,808 (1,742)	1,760 (1,736)	580 (527)	6* (10)	-	943 (900)
Oil, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Propane, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Kerosene, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	2010-2029	-	-	-1,224* (1,946)	-1,224* (1,946)	-1,224* (1,946)	-1,224* (1,946)	-1,224* (1,946)	-1,224* (1,946)	-	-	-1,224* (1,946)
Diesel, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Other, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Total,	2008-	23,080	243,378	251,546	249,077	249,325	249,337	242,907	82,424	598*	196*	88,332

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Units=Site MMBtu	2050	(25,141)	(207,324)	(218,204)	(217,834)	(217,837)	(217,837)	(215,440)	(65,010)	(938)	(312)	(75,018)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-85 PY 2008 Period BPAC, Building Retrofits
Overall Energy Savings by Fuel Type and Year, Average per Year Estimates, in Source MMBtu Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	2008-2050	10,486 (11,490)	221,040 (150,770)	241,431 (169,055)	232,536 (168,716)	232,795 (168,723)	232,836 (168,724)	227,682 (164,052)	85,269 (62,136)	762* (1,173)	656* (1,043)	84,460 (58,995)
Natural Gas	2008-2036	20,877 (22,807)	185,524 (179,069)	188,965 (182,397)	189,169 (182,402)	189,347 (182,407)	189,347 (182,407)	184,230 (181,739)	60,721 (55,172)	645* (1,025)	-	98,756 (94,221)
Oil	n/a	-	-	-	-	-	-	-	-	-	-	-
Propane	n/a	-	-	-	-	-	-	-	-	-	-	-
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-	-
Wood	2010-2029	-	-	-1,224* (1,946)	-1,224* (1,946)	-1,224* (1,946)	-1,224* (1,946)	-1,224* (1,946)	-1,224* (1,946)	-	-	-1,224* (1,946)
Diesel	n/a	-	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-	-
Total	2008-2050	31,364 (34,084)	406,564 (309,338)	429,172 (336,564)	420,480 (335,604)	420,919 (335,613)	420,959 (335,614)	410,688 (329,343)	144,889 (103,802)	1,149* (1,788)	656* (1,043)	150,493 (115,022)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.



Table K-86 PY 2008 Period BPAC, Building Retrofits
Overall Energy Savings by Fuel Type and Year, Row Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	0.3%* (0.4%)	6.1% (0.3%)	6.6% (0.7%)	6.4% (0.7%)	6.4% (0.7%)	6.4% (0.7%)	43.9% (3.7%)	23.5% (6.4%)	0.2%* (0.3%)	0.2%* (0.3%)	100.0% (0.0%)
Natural Gas	0.7% (0.9%)	6.5% (0.3%)	6.6% (0.3%)	6.6% (0.3%)	6.6% (0.3%)	6.6% (0.3%)	45.0% (1.9%)	21.2% (3.0%)	0.1%* (0.2%)	-	100.0% (0.0%)
Oil	-	-	-	-	-	-	-	-	-	-	-
Propane	-	-	-	-	-	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	5.0% (0.0%)	5.0% (0.0%)	5.0% (0.0%)	5.0% (0.0%)	35.0% (0.0%)	45.0% (0.0%)	-	-	100.0% (0.0%)
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
Total	0.5% (0.6%)	6.3% (0.3%)	6.6% (0.5%)	6.5% (0.5%)	6.5% (0.5%)	6.5% (0.5%)	44.4% (3.1%)	22.4% (5.0%)	0.2%* (0.3%)	0.1%* (0.2%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-87 PY 2008 Period BPAC, Building Retrofits
Overall Energy Savings by Fuel Type and Year, Column Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	33.4% (5.7%)	54.4% (15.7%)	56.3% (13.5%)	55.3% (13.6%)	55.3% (13.6%)	55.3% (13.6%)	55.4% (14.4%)	58.9% (19.1%)	66.3% (1.6%)	100.0% (0.0%)	56.1% (15.4%)
Natural Gas	66.6% (5.7%)	45.6% (15.7%)	44.0% (13.4%)	45.0% (13.5%)	45.0% (13.5%)	45.0% (13.5%)	44.9% (14.3%)	41.9% (19.0%)	33.7% (1.6%)	-	44.3% (15.2%)
Oil	-	-	-	-	-	-	-	-	-	-	-
Propane	-	-	-	-	-	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	-0.3%* (0.5%)	-0.3%* (0.5%)	-0.3%* (0.5%)	-0.3%* (0.5%)	-0.3%* (0.5%)	-0.8%* (1.3%)	-	-	-0.4%* (0.7%)
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
Total	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-88 PY 2008 Period BPAC, Building Retrofits
Overall Renewable Generation by Fuel Type and Year, Total Estimates, in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated, Units=MWh	-	-	-	-	-	-	-	-	-	-	-
Methane Produced, Units=KTherms	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	-	-	-	-	-	-	-	-	-	-	-
Biodiesel Production, Units=KTherms	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Other, Units=Site	-	-	-	-	-	-	-	-	-	-	-

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
MMBtu											
Total, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

KTherms = 1,000 Therms.

Table K-89 PY 2008 Period BPAC, Building Retrofits
Overall Renewable Generation by Fuel Type and Year, Total Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	-	-	-	-	-	-	-	-	-	-	-
Methane Produced	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	-	-	-	-	-	-	-	-	-	-	-
Biodiesel Production	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

Table K-90

PY 2008 Period BPAC, Building Retrofits

Overall Renewable Generation by Fuel Type and Year, Average per Year Estimates, in Original Site Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated, Units=MWh	n/a	-	-	-	-	-	-	-	-	-	-	-
Methane Produced, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Biodiesel Production, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Other,	n/a	-	-	-	-	-	-	-	-	-	-	-

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Units=Site MMBtu												
Total, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

KTherms = 1,000 Therms.

Table K-91

PY 2008 Period BPAC, Building Retrofits
Overall Renewable Generation by Fuel Type and Year, Average per Year Estimates, in Source MMBtu Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	n/a	-	-	-	-	-	-	-	-	-	-	-
Methane Produced	n/a	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH ₄ /50% CO ₂] Produced	n/a	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	-	-	-	-	-	-	-	-	-	-
Biodiesel Production	n/a	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production	n/a	-	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

Table K-92 PY 2008 Period BPAC, Building Retrofits
Overall Renewable Generation by Fuel Type and Year, Row Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	-	-	-	-	-	-	-	-	-	-	-
Methane Produced	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	-	-	-	-	-	-	-	-	-	-	-
Biodiesel Production	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

Table K-93 PY 2008 Period BPAC, Building Retrofits
Overall Renewable Generation by Fuel Type and Year, Column Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	-	-	-	-	-	-	-	-	-	-	-
Methane Produced	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	-	-	-	-	-	-	-	-	-	-	-
Biodiesel Production	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

Table K-94 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Energy Savings by Fuel Type and Year, Total Estimates, in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	884 (1,009)	4,804 (5,536)	4,791 (5,543)	4,002* (5,454)	4,013* (5,454)	4,015* (5,455)	27,909* (38,177)	19,766* (27,273)	297* (473)	281* (448)	70,763* (92,779)
Natural Gas, Units=KTher ms	165* (213)	299 (283)	306 (283)	308 (283)	309 (283)	309 (283)	1,822 (1,688)	748* (942)	27* (43)	-	4,293 (3,956)
Oil, Units=KTher ms	-	-	-	-	-	-	-	-	-	-	-
Propane, Units=KTher ms	-	-	-	-	-	-	-	-	-	-	-
Kerosene, Units=KTher ms	-	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Diesel, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Other, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Total, Units=Site	19,542* (24,698)	46,312 (44,565)	46,952 (44,675)	44,455 (42,821)	44,559 (42,831)	44,566 (42,832)	277,450 (281,507)	142,241* (186,918)	3,728* (5,927)	960* (1,527)	670,765 (679,485)

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
MMBtu											

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-95 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Energy Savings by Fuel Type and Year, Total Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	10,074 (11,497)	54,752 (63,094)	54,604 (63,164)	45,611* (62,154)	45,729* (62,159)	45,754* (62,160)	318,051* (435,066)	225,251* (310,801)	3,388* (5,387)	3,208* (5,100)	806,421* (1,057,318)
Natural Gas	17,302* (22,261)	31,324 (29,584)	32,041 (29,631)	32,246 (29,652)	32,318 (29,660)	32,318 (29,660)	190,786 (176,698)	78,313* (98,660)	2,841* (4,517)	-	449,489 (414,228)
Oil	-	-	-	-	-	-	-	-	-	-	-
Propane	-	-	-	-	-	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	-	-	-	-	-	-	-	-	-
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
Total	27,376 (33,743)	86,076 (88,097)	86,645 (88,293)	77,857 (84,491)	78,046 (84,504)	78,072 (84,506)	508,837 (581,963)	303,565* (408,868)	6,229* (9,904)	3,208* (5,100)	1,255,910 (1,416,403)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-96

PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Energy Savings by Fuel Type and Year, Average per Year Estimates, in Original Site Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	2008-2050	884 (1,009)	4,804 (5,536)	4,791 (5,543)	4,002* (5,454)	4,013* (5,454)	4,015* (5,455)	3,987* (5,454)	1,977* (2,727)	30* (47)	28* (45)	1,646* (2,158)
Natural Gas, Units=KTherms	2008-2036	165* (213)	299 (283)	306 (283)	308 (283)	309 (283)	309 (283)	260 (241)	75* (94)	5* (7)	-	148 (136)
Oil, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Propane, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Kerosene, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Diesel, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Other, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Total,	2008-	19,542*	46,312	46,952	44,455	44,559	44,566	39,636	14,224*	373*	96*	15,599

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Units=Site MMBtu	2050	(24,698)	(44,565)	(44,675)	(42,821)	(42,831)	(42,832)	(40,215)	(18,692)	(593)	(153)	(15,802)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-97 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Energy Savings by Fuel Type and Year, Average per Year Estimates, in Source MMBtu Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	2008-2050	10,074 (11,497)	54,752 (63,094)	54,604 (63,164)	45,611* (62,154)	45,729* (62,159)	45,754* (62,160)	45,436* (62,152)	22,525* (31,080)	339* (539)	321* (510)	18,754* (24,589)
Natural Gas	2008-2036	17,302* (22,261)	31,324 (29,584)	32,041 (29,631)	32,246 (29,652)	32,318 (29,660)	32,318 (29,660)	27,255 (25,243)	7,831* (9,866)	474* (753)	-	15,500 (14,284)
Oil	n/a	-	-	-	-	-	-	-	-	-	-	-
Propane	n/a	-	-	-	-	-	-	-	-	-	-	-
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-	-
Total	2008-2050	27,376 (33,743)	86,076 (88,097)	86,645 (88,293)	77,857 (84,491)	78,046 (84,504)	78,072 (84,506)	72,691 (83,138)	30,356* (40,887)	623* (990)	321* (510)	29,207 (32,940)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.



Table K-98 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Energy Savings by Fuel Type and Year, Row Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	1.2%* (2.1%)	6.8% (1.7%)	6.8% (1.7%)	5.7% (0.4%)	5.7% (0.4%)	5.7% (0.4%)	39.4% (2.9%)	27.9% (2.2%)	0.4%* (0.8%)	0.4%* (0.8%)	100.0% (0.0%)
Natural Gas	3.8% (4.0%)	7.0% (1.5%)	7.1% (1.4%)	7.2% (1.4%)	7.2% (1.4%)	7.2% (1.4%)	42.4% (2.1%)	17.4% (13.1%)	0.6%* (1.1%)	-	100.0% (0.0%)
Oil	-	-	-	-	-	-	-	-	-	-	-
Propane	-	-	-	-	-	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	-	-	-	-	-	-	-	-	-
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
Total	2.2%* (3.3%)	6.9% (1.6%)	6.9% (1.6%)	6.2% (0.5%)	6.2% (0.5%)	6.2% (0.5%)	40.5% (1.0%)	24.2% (7.8%)	0.5%* (0.9%)	0.3%* (0.5%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-99

PY 2008 Period BPAC, Building Retrofits

SEP-Attributable Energy Savings by Fuel Type and Year, Column Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	36.8% (3.8%)	63.6% (16.8%)	63.0% (16.8%)	58.6% (25.1%)	58.6% (25.1%)	58.6% (25.1%)	62.5% (20.7%)	74.2% (3.9%)	54.4% (0.0%)	100.0% (0.0%)	64.2% (17.7%)
Natural Gas	63.2% (3.8%)	36.4% (16.8%)	37.0% (16.8%)	41.4% (25.1%)	41.4% (25.1%)	41.4% (25.1%)	37.5% (20.7%)	25.8% (3.9%)	45.6% (0.0%)	-	35.8% (17.7%)
Oil	-	-	-	-	-	-	-	-	-	-	-
Propane	-	-	-	-	-	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	-	-	-	-	-	-	-	-	-
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
Total	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-100 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Energy Savings by Sector and Year, Total Estimates, in Site MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	115* (183)	519* (826)	1,352* (2,149)	1,567* (2,491)	1,671* (2,656)	1,678* (2,668)	11,103* (17,653)	11,670* (18,555)	3,728* (5,927)	960* (1,527)	34,363* (54,636)
Commercial	-	-	-	-	-	-	-	-	-	-	-
Industrial	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	19,426* (24,698)	45,792 (44,557)	45,601 (44,624)	42,888 (42,749)	42,888 (42,749)	42,888 (42,749)	266,348 (280,953)	130,571* (185,995)	-	-	636,402 (677,285)
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	19,542* (24,698)	46,312 (44,565)	46,952 (44,675)	44,455 (42,821)	44,559 (42,831)	44,566 (42,832)	277,450 (281,507)	142,241* (186,918)	3,728* (5,927)	960* (1,527)	670,765 (679,485)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

Table K-101 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Energy Savings by Sector and Year, Total Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	288* (457)	845* (1,343)	2,055* (3,267)	2,325* (3,697)	2,515* (3,999)	2,540* (4,039)	17,046* (27,103)	17,058* (27,122)	6,229* (9,904)	3,208* (5,100)	54,109* (86,031)
Commercial	-	-	-	-	-	-	-	-	-	-	-
Industrial	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	27,089 (33,740)	85,232 (88,087)	84,591 (88,232)	75,531 (84,410)	75,531 (84,410)	75,531 (84,410)	491,791 (581,331)	286,506* (407,967)	-	-	1,201,802 (1,413,788)
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	27,376 (33,743)	86,076 (88,097)	86,645 (88,293)	77,857 (84,491)	78,046 (84,504)	78,072 (84,506)	508,837 (581,963)	303,565* (408,868)	6,229* (9,904)	3,208* (5,100)	1,255,910 (1,416,403)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-102 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Energy Savings by Sector and Year, Average per Year Estimates, in Site MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	2008-2050	115* (183)	519* (826)	1,352* (2,149)	1,567* (2,491)	1,671* (2,656)	1,678* (2,668)	1,586* (2,522)	1,167* (1,856)	373* (593)	96* (153)	799* (1,271)
Commercial	n/a	-	-	-	-	-	-	-	-	-	-	-
Industrial	n/a	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	2008-2025	19,426* (24,698)	45,792 (44,557)	45,601 (44,624)	42,888 (42,749)	42,888 (42,749)	42,888 (42,749)	38,050 (40,136)	26,114* (37,199)	-	-	35,356 (37,627)
Private Institutional	n/a	-	-	-	-	-	-	-	-	-	-	-
Total	2008-2050	19,542* (24,698)	46,312 (44,565)	46,952 (44,675)	44,455 (42,821)	44,559 (42,831)	44,566 (42,832)	39,636 (40,215)	14,224* (18,692)	373* (593)	96* (153)	15,599 (15,802)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-103 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Energy Savings by Sector and Year, Average per Year Estimates, in Source MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	2008-2050	288* (457)	845* (1,343)	2,055* (3,267)	2,325* (3,697)	2,515* (3,999)	2,540* (4,039)	2,435* (3,872)	1,706* (2,712)	623* (990)	321* (510)	1,258* (2,001)
Commercial	n/a	-	-	-	-	-	-	-	-	-	-	-
Industrial	n/a	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	2008-2025	27,089 (33,740)	85,232 (88,087)	84,591 (88,232)	75,531 (84,410)	75,531 (84,410)	75,531 (84,410)	70,256 (83,047)	57,301* (81,593)	-	-	66,767 (78,544)
Private Institutional	n/a	-	-	-	-	-	-	-	-	-	-	-
Total	2008-2050	27,376 (33,743)	86,076 (88,097)	86,645 (88,293)	77,857 (84,491)	78,046 (84,504)	78,072 (84,506)	72,691 (83,138)	30,356* (40,887)	623* (990)	321* (510)	29,207 (32,940)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-104 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Energy Savings by Sector and Year, Row Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	0.5% (0.0%)	1.6% (0.0%)	3.8% (0.0%)	4.3% (0.0%)	4.6% (0.0%)	4.7% (0.0%)	31.5% (0.0%)	31.5% (0.0%)	11.5% (0.0%)	5.9% (0.0%)	100.0% (0.0%)
Commercial	-	-	-	-	-	-	-	-	-	-	-
Industrial	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	2.3%* (3.5%)	7.1% (1.8%)	7.0% (1.8%)	6.3% (0.6%)	6.3% (0.6%)	6.3% (0.6%)	40.9% (0.4%)	23.8% (8.4%)	-	-	100.0% (0.0%)
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	2.2%* (3.3%)	6.9% (1.6%)	6.9% (1.6%)	6.2% (0.5%)	6.2% (0.5%)	6.2% (0.5%)	40.5% (1.0%)	24.2% (7.8%)	0.5%* (0.9%)	0.3%* (0.5%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-105

PY 2008 Period BPAC, Building Retrofits

SEP-Attributable Energy Savings by Sector and Year, Column Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	1.1%* (2.1%)	1.0%* (1.8%)	2.4%* (4.4%)	3.0%* (5.6%)	3.2%* (6.1%)	3.3%* (6.1%)	3.4%* (6.4%)	5.6%* (11.3%)	100.0% (0.0%)	100.0% (0.0%)	4.3%* (8.2%)
Commercial	-	-	-	-	-	-	-	-	-	-	-
Industrial	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	98.9% (2.1%)	99.0% (1.8%)	97.6% (4.4%)	97.0% (5.6%)	96.8% (6.1%)	96.7% (6.1%)	96.6% (6.4%)	94.4% (11.3%)	-	-	95.7% (8.2%)
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-106 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Energy Savings by Fuel Type and Sector, Total Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity, Units=MWh	2,317* (3,685)	-	-	68,446* (92,706)	-	70,763* (92,779)
Natural Gas, Units=KTherms	265* (421)	-	-	4,029 (3,934)	-	4,293 (3,956)
Oil, Units=KTherms	-	-	-	-	-	-
Propane, Units=KTherms	-	-	-	-	-	-
Kerosene, Units=KTherms	-	-	-	-	-	-
Wood, Units=Site MMBtu	-	-	-	-	-	-
Diesel, Units=Site MMBtu	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	-	-	-	-	-	-
Other, Units=Site MMBtu	-	-	-	-	-	-
Total,	34,363*	-	-	636,402	-	670,765

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Units=Site MMBtu	(54,636)			(677,285)		(679,485)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-107 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Energy Savings by Fuel Type and Sector, Total Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	26,409* (41,990)	-	-	780,012* (1,056,484)	-	806,421* (1,057,318)
Natural Gas	27,699* (44,041)	-	-	421,790 (411,880)	-	449,489 (414,228)
Oil	-	-	-	-	-	-
Propane	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-
Wood	-	-	-	-	-	-
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-
Other	-	-	-	-	-	-
Total	54,109* (86,031)	-	-	1,201,802 (1,413,788)	-	1,255,910 (1,416,403)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-108 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Energy Savings by Fuel Type and Sector, Average per Year Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity, Units=MWh	54* (86)	-	-	3,803* (5,150)	-	1,646* (2,158)
Natural Gas, Units=KTherms	9* (15)	-	-	224 (219)	-	148 (136)
Oil, Units=KTherms	-	-	-	-	-	-
Propane, Units=KTherms	-	-	-	-	-	-
Kerosene, Units=KTherms	-	-	-	-	-	-
Wood, Units=Site MMBtu	-	-	-	-	-	-
Diesel, Units=Site MMBtu	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	-	-	-	-	-	-
Other, Units=Site MMBtu	-	-	-	-	-	-
Total,	799*	-	-	35,356	-	15,599

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Units=Site MMBtu	(1,271)			(37,627)		(15,802)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-109 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Energy Savings by Fuel Type and Sector, Average per Year Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	614* (977)	-	-	43,334* (58,694)	-	18,754* (24,589)
Natural Gas	955* (1,519)	-	-	23,433 (22,882)	-	15,500 (14,284)
Oil	-	-	-	-	-	-
Propane	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-
Wood	-	-	-	-	-	-
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-
Other	-	-	-	-	-	-
Total	1,258* (2,001)	-	-	66,767 (78,544)	-	29,207 (32,940)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-110 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Energy Savings by Fuel Type and Sector, Row Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	3.3%* (6.6%)	-	-	96.7% (6.6%)	-	100.0% (0.0%)
Natural Gas	6.2%* (10.8%)	-	-	93.8% (10.8%)	-	100.0% (0.0%)
Oil	-	-	-	-	-	-
Propane	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-
Wood	-	-	-	-	-	-
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-
Other	-	-	-	-	-	-
Total	4.3%* (8.2%)	-	-	95.7% (8.2%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-111 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Energy Savings by Fuel Type and Sector, Column Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	48.8% (0.0%)	-	-	64.9% (17.9%)	-	64.2% (17.7%)
Natural Gas	51.2% (0.0%)	-	-	35.1% (17.9%)	-	35.8% (17.7%)
Oil	-	-	-	-	-	-
Propane	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-
Wood	-	-	-	-	-	-
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-
Other	-	-	-	-	-	-
Total	100.0% (0.0%)	-	-	100.0% (0.0%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-112 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Renewable Generation by Fuel Type and Year, Total Estimates, in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated, Units=MWh	-	-	-	-	-	-	-	-	-	-	-
Methane Produced, Units=KTherms	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	-	-	-	-	-	-	-	-	-	-	-
Biodiesel Production, Units=KTherms	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Other, Units=Site	-	-	-	-	-	-	-	-	-	-	-

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
MMBtu											
Total, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

KTherms = 1,000 Therms.

Table K-113

PY 2008 Period BPAC, Building Retrofits

SEP-Attributable Renewable Generation by Fuel Type and Year, Total Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	-	-	-	-	-	-	-	-	-	-	-
Methane Produced	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	-	-	-	-	-	-	-	-	-	-	-
Biodiesel Production	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

Table K-114

PY 2008 Period BPAC, Building Retrofits

SEP-Attributable Renewable Generation by Fuel Type and Year, Average per Year Estimates, in Original Site Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated, Units=MWh	n/a	-	-	-	-	-	-	-	-	-	-	-
Methane Produced, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Biodiesel Production, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Other,	n/a	-	-	-	-	-	-	-	-	-	-	-

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Units=Site MMBtu												
Total, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

KTherms = 1,000 Therms.

Table K-115 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Renewable Generation by Fuel Type and Year, Average per Year Estimates, in Source MMBtu Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	n/a	-	-	-	-	-	-	-	-	-	-	-
Methane Produced	n/a	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	-	-	-	-	-	-	-	-	-	-
Biodiesel Production	n/a	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production	n/a	-	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

Table K-116 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Renewable Generation by Fuel Type and Year, Row Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	-	-	-	-	-	-	-	-	-	-	-
Methane Produced	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	-	-	-	-	-	-	-	-	-	-	-
Biodiesel Production	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

Table K-117 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Renewable Generation by Fuel Type and Year, Column Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	-	-	-	-	-	-	-	-	-	-	-
Methane Produced	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	-	-	-	-	-	-	-	-	-	-	-
Biodiesel Production	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

Table K-118 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Renewable Generation by Sector and Year, Total Estimates, in Site MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	-	-	-	-	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-	-	-	-	-
Industrial	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	-	-	-	-	-	-	-	-	-	-	-
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

Table K-119 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Renewable Generation by Sector and Year, Total Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	-	-	-	-	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-	-	-	-	-
Industrial	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	-	-	-	-	-	-	-	-	-	-	-
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

Table K-120 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Renewable Generation by Sector and Year, Average per Year Estimates, in Site MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	-	-	-	-	-	-	-	-	-	-
Commercial	n/a	-	-	-	-	-	-	-	-	-	-	-
Industrial	n/a	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	n/a	-	-	-	-	-	-	-	-	-	-	-
Private Institutional	n/a	-	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

Table K-121 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Renewable Generation by Sector and Year, Average per Year Estimates, in Source MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	-	-	-	-	-	-	-	-	-	-
Commercial	n/a	-	-	-	-	-	-	-	-	-	-	-
Industrial	n/a	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	n/a	-	-	-	-	-	-	-	-	-	-	-
Private Institutional	n/a	-	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

Table K-122 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Renewable Generation by Sector and Year, Row Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	-	-	-	-	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-	-	-	-	-
Industrial	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	-	-	-	-	-	-	-	-	-	-	-
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

Table K-123 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Renewable Generation by Sector and Year, Column Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	-	-	-	-	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-	-	-	-	-
Industrial	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	-	-	-	-	-	-	-	-	-	-	-
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

Table K-124 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Renewable Generation by Fuel Type and Sector, Total Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated, Units=MWh	-	-	-	-	-	-
Methane Produced, Units=KTherms	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	-	-	-	-	-	-
Biodiesel Production, Units=KTherms	-	-	-	-	-	-
Ethanol Production, Units=Site MMBtu	-	-	-	-	-	-
Other,	-	-	-	-	-	-

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Units=Site MMBtu						
Total, Units=Site MMBtu	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

KTherms = 1,000 Therms.

Table K-125 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Renewable Generation by Fuel Type and Sector, Total Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated	-	-	-	-	-	-
Methane Produced	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	-	-	-	-	-	-
Biodiesel Production	-	-	-	-	-	-
Ethanol Production	-	-	-	-	-	-
Other	-	-	-	-	-	-
Total	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

Table K-126 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Renewable Generation by Fuel Type and Sector, Average per Year Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated, Units=MWh	-	-	-	-	-	-
Methane Produced, Units=KTherms	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	-	-	-	-	-	-
Biodiesel Production, Units=KTherms	-	-	-	-	-	-
Ethanol Production, Units=Site MMBtu	-	-	-	-	-	-
Other,	-	-	-	-	-	-

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Units=Site MMBtu						
Total, Units=Site MMBtu	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

KTherms = 1,000 Therms.

Table K-127 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Renewable Generation by Fuel Type and Sector, Average per Year Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated	-	-	-	-	-	-
Methane Produced	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	-	-	-	-	-	-
Biodiesel Production	-	-	-	-	-	-
Ethanol Production	-	-	-	-	-	-
Other	-	-	-	-	-	-
Total	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

Table K-128 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Renewable Generation by Fuel Type and Sector, Row Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated	-	-	-	-	-	-
Methane Produced	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	-	-	-	-	-	-
Biodiesel Production	-	-	-	-	-	-
Ethanol Production	-	-	-	-	-	-
Other	-	-	-	-	-	-
Total	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

Table K-129 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Renewable Generation by Fuel Type and Sector, Column Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated	-	-	-	-	-	-
Methane Produced	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	-	-	-	-	-	-
Biodiesel Production	-	-	-	-	-	-
Ethanol Production	-	-	-	-	-	-
Other	-	-	-	-	-	-
Total	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

Table K-130

PY 2008 Period BPAC, Building Retrofits

SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Year, Total Estimates, in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	884 (1,009)	4,804 (5,536)	4,791 (5,543)	4,002* (5,454)	4,013* (5,454)	4,015* (5,455)	27,909* (38,177)	19,766* (27,273)	297* (473)	281* (448)	70,763* (92,779)
Natural Gas, Units=KTher ms	165* (213)	299 (283)	306 (283)	308 (283)	309 (283)	309 (283)	1,822 (1,688)	748* (942)	27* (43)	-	4,293 (3,956)
Oil, Units=KTher ms	-	-	-	-	-	-	-	-	-	-	-
Propane, Units=KTher ms	-	-	-	-	-	-	-	-	-	-	-
Kerosene, Units=KTher ms	-	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Diesel, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Other, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Total,	19,542*	46,312	46,952	44,455	44,559	44,566	277,450	142,241*	3,728*	960*	670,765

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Units=Site MMBtu	(24,698)	(44,565)	(44,675)	(42,821)	(42,831)	(42,832)	(281,507)	(186,918)	(5,927)	(1,527)	(679,485)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-131 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Year, Total Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	10,074 (11,497)	54,752 (63,094)	54,604 (63,164)	45,611* (62,154)	45,729* (62,159)	45,754* (62,160)	318,051* (435,066)	225,251* (310,801)	3,388* (5,387)	3,208* (5,100)	806,421* (1,057,318)
Natural Gas	17,302* (22,261)	31,324 (29,584)	32,041 (29,631)	32,246 (29,652)	32,318 (29,660)	32,318 (29,660)	190,786 (176,698)	78,313* (98,660)	2,841* (4,517)	-	449,489 (414,228)
Oil	-	-	-	-	-	-	-	-	-	-	-
Propane	-	-	-	-	-	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	-	-	-	-	-	-	-	-	-
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
Total	27,376 (33,743)	86,076 (88,097)	86,645 (88,293)	77,857 (84,491)	78,046 (84,504)	78,072 (84,506)	508,837 (581,963)	303,565* (408,868)	6,229* (9,904)	3,208* (5,100)	1,255,910 (1,416,403)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.



Table K-132 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Year, Average per Year Estimates, in Original Site Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	2008-2050	884 (1,009)	4,804 (5,536)	4,791 (5,543)	4,002* (5,454)	4,013* (5,454)	4,015* (5,455)	3,987* (5,454)	1,977* (2,727)	30* (47)	28* (45)	1,646* (2,158)
Natural Gas, Units=KTherms	2008-2036	165* (213)	299 (283)	306 (283)	308 (283)	309 (283)	309 (283)	260 (241)	75* (94)	5* (7)	-	148 (136)
Oil, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Propane, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Kerosene, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Diesel, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Other, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Total, Units=Site MMBtu	2008- 2050	19,542* (24,698)	46,312 (44,565)	46,952 (44,675)	44,455 (42,821)	44,559 (42,831)	44,566 (42,832)	39,636 (40,215)	14,224* (18,692)	373* (593)	96* (153)	15,599 (15,802)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-133 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Year, Average per Year Estimates, in Source MMBtu Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	2008-2050	10,074 (11,497)	54,752 (63,094)	54,604 (63,164)	45,611* (62,154)	45,729* (62,159)	45,754* (62,160)	45,436* (62,152)	22,525* (31,080)	339* (539)	321* (510)	18,754* (24,589)
Natural Gas	2008-2036	17,302* (22,261)	31,324 (29,584)	32,041 (29,631)	32,246 (29,652)	32,318 (29,660)	32,318 (29,660)	27,255 (25,243)	7,831* (9,866)	474* (753)	-	15,500 (14,284)
Oil	n/a	-	-	-	-	-	-	-	-	-	-	-
Propane	n/a	-	-	-	-	-	-	-	-	-	-	-
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-	-
Total	2008-2050	27,376 (33,743)	86,076 (88,097)	86,645 (88,293)	77,857 (84,491)	78,046 (84,504)	78,072 (84,506)	72,691 (83,138)	30,356* (40,887)	623* (990)	321* (510)	29,207 (32,940)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.



Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-134 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Year, Row Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	1.2%* (2.1%)	6.8% (1.7%)	6.8% (1.7%)	5.7% (0.4%)	5.7% (0.4%)	5.7% (0.4%)	39.4% (2.9%)	27.9% (2.2%)	0.4%* (0.8%)	0.4%* (0.8%)	100.0% (0.0%)
Natural Gas	3.8% (4.0%)	7.0% (1.5%)	7.1% (1.4%)	7.2% (1.4%)	7.2% (1.4%)	7.2% (1.4%)	42.4% (2.1%)	17.4% (13.1%)	0.6%* (1.1%)	-	100.0% (0.0%)
Oil	-	-	-	-	-	-	-	-	-	-	-
Propane	-	-	-	-	-	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	-	-	-	-	-	-	-	-	-
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
Total	2.2%* (3.3%)	6.9% (1.6%)	6.9% (1.6%)	6.2% (0.5%)	6.2% (0.5%)	6.2% (0.5%)	40.5% (1.0%)	24.2% (7.8%)	0.5%* (0.9%)	0.3%* (0.5%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-135 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Year, Column Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	36.8% (3.8%)	63.6% (16.8%)	63.0% (16.8%)	58.6% (25.1%)	58.6% (25.1%)	58.6% (25.1%)	62.5% (20.7%)	74.2% (3.9%)	54.4% (0.0%)	100.0% (0.0%)	64.2% (17.7%)
Natural Gas	63.2% (3.8%)	36.4% (16.8%)	37.0% (16.8%)	41.4% (25.1%)	41.4% (25.1%)	41.4% (25.1%)	37.5% (20.7%)	25.8% (3.9%)	45.6% (0.0%)	-	35.8% (17.7%)
Oil	-	-	-	-	-	-	-	-	-	-	-
Propane	-	-	-	-	-	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	-	-	-	-	-	-	-	-	-
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
Total	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-136 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and Year, Total Estimates, in Site MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	115* (183)	519* (826)	1,352* (2,149)	1,567* (2,491)	1,671* (2,656)	1,678* (2,668)	11,103* (17,653)	11,670* (18,555)	3,728* (5,927)	960* (1,527)	34,363* (54,636)
Commercial	-	-	-	-	-	-	-	-	-	-	-
Industrial	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	19,426* (24,698)	45,792 (44,557)	45,601 (44,624)	42,888 (42,749)	42,888 (42,749)	42,888 (42,749)	266,348 (280,953)	130,571* (185,995)	-	-	636,402 (677,285)
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	19,542* (24,698)	46,312 (44,565)	46,952 (44,675)	44,455 (42,821)	44,559 (42,831)	44,566 (42,832)	277,450 (281,507)	142,241* (186,918)	3,728* (5,927)	960* (1,527)	670,765 (679,485)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

Table K-137 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and Year, Total Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	288* (457)	845* (1,343)	2,055* (3,267)	2,325* (3,697)	2,515* (3,999)	2,540* (4,039)	17,046* (27,103)	17,058* (27,122)	6,229* (9,904)	3,208* (5,100)	54,109* (86,031)
Commercial	-	-	-	-	-	-	-	-	-	-	-
Industrial	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	27,089 (33,740)	85,232 (88,087)	84,591 (88,232)	75,531 (84,410)	75,531 (84,410)	75,531 (84,410)	491,791 (581,331)	286,506* (407,967)	-	-	1,201,802 (1,413,788)
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	27,376 (33,743)	86,076 (88,097)	86,645 (88,293)	77,857 (84,491)	78,046 (84,504)	78,072 (84,506)	508,837 (581,963)	303,565* (408,868)	6,229* (9,904)	3,208* (5,100)	1,255,910 (1,416,403)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-138 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and Year, Average per Year Estimates, in Site MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	2008-2050	115* (183)	519* (826)	1,352* (2,149)	1,567* (2,491)	1,671* (2,656)	1,678* (2,668)	1,586* (2,522)	1,167* (1,856)	373* (593)	96* (153)	799* (1,271)
Commercial	n/a	-	-	-	-	-	-	-	-	-	-	-
Industrial	n/a	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	2008-2025	19,426* (24,698)	45,792 (44,557)	45,601 (44,624)	42,888 (42,749)	42,888 (42,749)	42,888 (42,749)	38,050 (40,136)	26,114* (37,199)	-	-	35,356 (37,627)
Private Institutional	n/a	-	-	-	-	-	-	-	-	-	-	-
Total	2008-2050	19,542* (24,698)	46,312 (44,565)	46,952 (44,675)	44,455 (42,821)	44,559 (42,831)	44,566 (42,832)	39,636 (40,215)	14,224* (18,692)	373* (593)	96* (153)	15,599 (15,802)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-139 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and Year, Average per Year Estimates, in Source MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	2008-2050	288* (457)	845* (1,343)	2,055* (3,267)	2,325* (3,697)	2,515* (3,999)	2,540* (4,039)	2,435* (3,872)	1,706* (2,712)	623* (990)	321* (510)	1,258* (2,001)
Commercial	n/a	-	-	-	-	-	-	-	-	-	-	-
Industrial	n/a	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	2008-2025	27,089 (33,740)	85,232 (88,087)	84,591 (88,232)	75,531 (84,410)	75,531 (84,410)	75,531 (84,410)	70,256 (83,047)	57,301* (81,593)	-	-	66,767 (78,544)
Private Institutional	n/a	-	-	-	-	-	-	-	-	-	-	-
Total	2008-2050	27,376 (33,743)	86,076 (88,097)	86,645 (88,293)	77,857 (84,491)	78,046 (84,504)	78,072 (84,506)	72,691 (83,138)	30,356* (40,887)	623* (990)	321* (510)	29,207 (32,940)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-140 PY 2008 Period BPAC, Building Retrofits
 SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and Year, Row Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	0.5% (0.0%)	1.6% (0.0%)	3.8% (0.0%)	4.3% (0.0%)	4.6% (0.0%)	4.7% (0.0%)	31.5% (0.0%)	31.5% (0.0%)	11.5% (0.0%)	5.9% (0.0%)	100.0% (0.0%)
Commercial	-	-	-	-	-	-	-	-	-	-	-
Industrial	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	2.3%* (3.5%)	7.1% (1.8%)	7.0% (1.8%)	6.3% (0.6%)	6.3% (0.6%)	6.3% (0.6%)	40.9% (0.4%)	23.8% (8.4%)	-	-	100.0% (0.0%)
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	2.2%* (3.3%)	6.9% (1.6%)	6.9% (1.6%)	6.2% (0.5%)	6.2% (0.5%)	6.2% (0.5%)	40.5% (1.0%)	24.2% (7.8%)	0.5%* (0.9%)	0.3%* (0.5%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-141 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and Year, Column Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	1.1%* (2.1%)	1.0%* (1.8%)	2.4%* (4.4%)	3.0%* (5.6%)	3.2%* (6.1%)	3.3%* (6.1%)	3.4%* (6.4%)	5.6%* (11.3%)	100.0% (0.0%)	100.0% (0.0%)	4.3%* (8.2%)
Commercial	-	-	-	-	-	-	-	-	-	-	-
Industrial	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	98.9% (2.1%)	99.0% (1.8%)	97.6% (4.4%)	97.0% (5.6%)	96.8% (6.1%)	96.7% (6.1%)	96.6% (6.4%)	94.4% (11.3%)	-	-	95.7% (8.2%)
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-142

PY 2008 Period BPAC, Building Retrofits

SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Total Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity, Units=MWh	2,317* (3,685)	-	-	68,446* (92,706)	-	70,763* (92,779)
Natural Gas, Units=KTherms	265* (421)	-	-	4,029 (3,934)	-	4,293 (3,956)
Oil, Units=KTherms	-	-	-	-	-	-
Propane, Units=KTherms	-	-	-	-	-	-
Kerosene, Units=KTherms	-	-	-	-	-	-
Wood, Units=Site MMBtu	-	-	-	-	-	-
Diesel, Units=Site MMBtu	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	-	-	-	-	-	-
Other, Units=Site MMBtu	-	-	-	-	-	-

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Total, Units=Site MMBtu	34,363* (54,636)	-	-	636,402 (677,285)	-	670,765 (679,485)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-143 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Total Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	26,409* (41,990)	-	-	780,012* (1,056,484)	-	806,421* (1,057,318)
Natural Gas	27,699* (44,041)	-	-	421,790 (411,880)	-	449,489 (414,228)
Oil	-	-	-	-	-	-
Propane	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-
Wood	-	-	-	-	-	-
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-
Other	-	-	-	-	-	-
Total	54,109* (86,031)	-	-	1,201,802 (1,413,788)	-	1,255,910 (1,416,403)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-144 PY 2008 Period BPAC, Building Retrofits
 SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Average per Year Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity, Units=MWh	54* (86)	-	-	3,803* (5,150)	-	1,646* (2,158)
Natural Gas, Units=KTherms	9* (15)	-	-	224 (219)	-	148 (136)
Oil, Units=KTherms	-	-	-	-	-	-
Propane, Units=KTherms	-	-	-	-	-	-
Kerosene, Units=KTherms	-	-	-	-	-	-
Wood, Units=Site MMBtu	-	-	-	-	-	-
Diesel, Units=Site MMBtu	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	-	-	-	-	-	-
Other, Units=Site MMBtu	-	-	-	-	-	-

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Total, Units=Site MMBtu	799* (1,271)	-	-	35,356 (37,627)	-	15,599 (15,802)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-145 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Average per Year Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	614* (977)	-	-	43,334* (58,694)	-	18,754* (24,589)
Natural Gas	955* (1,519)	-	-	23,433 (22,882)	-	15,500 (14,284)
Oil	-	-	-	-	-	-
Propane	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-
Wood	-	-	-	-	-	-
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-
Other	-	-	-	-	-	-
Total	1,258* (2,001)	-	-	66,767 (78,544)	-	29,207 (32,940)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period. Estimates that round to zero during the impact period will not be displayed due to suppression.



Table K-146 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Row Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	3.3%* (6.6%)	-	-	96.7% (6.6%)	-	100.0% (0.0%)
Natural Gas	6.2%* (10.8%)	-	-	93.8% (10.8%)	-	100.0% (0.0%)
Oil	-	-	-	-	-	-
Propane	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-
Wood	-	-	-	-	-	-
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-
Other	-	-	-	-	-	-
Total	4.3%* (8.2%)	-	-	95.7% (8.2%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-147 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Column Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	48.8% (0.0%)	-	-	64.9% (17.9%)	-	64.2% (17.7%)
Natural Gas	51.2% (0.0%)	-	-	35.1% (17.9%)	-	35.8% (17.7%)
Oil	-	-	-	-	-	-
Propane	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-
Wood	-	-	-	-	-	-
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-
Other	-	-	-	-	-	-
Total	100.0% (0.0%)	-	-	100.0% (0.0%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-148 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Bill Savings by Fuel Type and Year, Total Estimates, in Thousand 2009 Dollars

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	\$74	\$441	\$455	\$411*	\$414*	\$413*	\$2,821*	\$1,974*	\$40*	\$40*	\$7,083*
Natural Gas	\$159*	\$260	\$256	\$260	\$244	\$246	\$1,544	\$824*	\$42*	-	\$3,833
Oil	-	-	-	-	-	-	-	-	-	-	-
Propane	-	-	-	-	-	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	-	-	-	-	-	-	-	-	-
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
Total	\$233	\$701	\$711	\$671	\$658	\$658	\$4,365	\$2,798*	\$82*	\$40*	\$10,917

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-149 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Bill Savings by Fuel Type and Year, Row Percent Estimates, in Thousand 2009 Dollars

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	1.0%*	6.2%	6.4%	5.8%	5.8%	5.8%	39.8%	27.9%	0.6%*	0.6%*	100.0%
Natural Gas	4.1%	6.8%	6.7%	6.8%	6.4%	6.4%	40.3%	21.5%	1.1%*	-	100.0%
Oil	-	-	-	-	-	-	-	-	-	-	-
Propane	-	-	-	-	-	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	-	-	-	-	-	-	-	-	-
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
Total	2.1%*	6.4%	6.5%	6.1%	6.0%	6.0%	40.0%	25.6%	0.7%*	0.4%*	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-150 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Bill Savings by Fuel Type and Year, Column Percent Estimates, in Thousand 2009 Dollars

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	31.8%	63.0%	64.0%	61.3%	63.0%	62.7%	64.6%	70.6%	48.6%	100.0%	64.9%
Natural Gas	68.2%	37.0%	36.0%	38.7%	37.0%	37.3%	35.4%	29.4%	51.4%	-	35.1%
Oil	-	-	-	-	-	-	-	-	-	-	-
Propane	-	-	-	-	-	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	-	-	-	-	-	-	-	-	-
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-151

PY 2008 Period BPAC, Building Retrofits

SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Fuel Type and Year, SEP-Attributable Energy in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	\$83.91	\$91.81	\$94.94	\$102.64*	\$103.25*	\$102.83*	\$101.09*	\$99.88*	\$133.78*	\$141.53*	\$100.10*
Natural Gas, Units=KTher ms	\$962.45*	\$867.40	\$837.41	\$843.31	\$789.59	\$795.77	\$847.25	\$1,101.12*	\$1,548.77*	-	\$892.92
Oil, Units=KTher ms	-	-	-	-	-	-	-	-	-	-	-
Propane, Units=KTher ms	-	-	-	-	-	-	-	-	-	-	-
Kerosene, Units=KTher ms	-	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Diesel, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Other, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Total, Units=Site	\$11.93*	\$15.13	\$15.15	\$15.08	\$14.77	\$14.78	\$15.73	\$19.67*	\$21.94*	\$41.48*	\$16.28

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
MMBtu											

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-152

PY 2008 Period BPAC, Building Retrofits

SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Fuel Type and Year, SEP-Attributable Energy in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	\$7.36	\$8.06	\$8.33	\$9.01*	\$9.06*	\$9.02*	\$8.87*	\$8.76*	\$11.74*	\$12.42*	\$8.78*
Natural Gas	\$9.19*	\$8.28	\$8.00	\$8.05	\$7.54	\$7.60	\$8.09	\$10.52*	\$14.79*	-	\$8.53
Oil	-	-	-	-	-	-	-	-	-	-	-
Propane	-	-	-	-	-	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	-	-	-	-	-	-	-	-	-
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
Total	\$8.52	\$8.14	\$8.21	\$8.61	\$8.43	\$8.43	\$8.58	\$9.22*	\$13.13*	\$12.42*	\$8.69

Note:

Standard errors estimates are not reported.

"- " indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-153 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Bill Savings by Sector and Year, Total Estimates, in Thousand 2009 Dollars

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	\$3*	\$9*	\$23*	\$27*	\$29*	\$29*	\$198*	\$213*	\$82*	\$40*	\$653*
Commercial	-	-	-	-	-	-	-	-	-	-	-
Industrial	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	\$230	\$691	\$688	\$644	\$629	\$629	\$4,167	\$2,585*	-	-	\$10,264
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	\$233	\$701	\$711	\$671	\$658	\$658	\$4,365	\$2,798*	\$82*	\$40*	\$10,917

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

""*"" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-154 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Bill Savings by Sector and Year, Row Percent Estimates, in Thousand 2009 Dollars

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	0.5%	1.4%	3.6%	4.1%	4.4%	4.4%	30.3%	32.6%	12.5%	6.1%	100.0%
Commercial	-	-	-	-	-	-	-	-	-	-	-
Industrial	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	2.2%*	6.7%	6.7%	6.3%	6.1%	6.1%	40.6%	25.2%	-	-	100.0%
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	2.1%*	6.4%	6.5%	6.1%	6.0%	6.0%	40.0%	25.6%	0.7%*	0.4%*	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

""*"" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-155 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Bill Savings by Sector and Year, Column Percent Estimates, in Thousand 2009 Dollars

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	1.3%*	1.3%*	3.3%*	4.0%*	4.3%*	4.4%*	4.5%*	7.6%*	100.0%	100.0%	6.0%*
Commercial	-	-	-	-	-	-	-	-	-	-	-
Industrial	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	98.7%	98.7%	96.7%	96.0%	95.7%	95.6%	95.5%	92.4%	-	-	94.0%
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

""*"" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-156 PY 2008 Period BPAC, Building Retrofits
 SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Sector and Year, SEP-Attributable Energy in Site MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	\$26.95*	\$18.17*	\$17.20*	\$17.17*	\$17.12*	\$17.28*	\$17.83*	\$18.23*	\$21.94*	\$41.48*	\$18.99*
Commercial	-	-	-	-	-	-	-	-	-	-	-
Industrial	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	\$11.85*	\$15.09	\$15.09	\$15.01	\$14.68	\$14.68	\$15.65	\$19.80*	-	-	\$16.13
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	\$11.93*	\$15.13	\$15.15	\$15.08	\$14.77	\$14.78	\$15.73	\$19.67*	\$21.94*	\$41.48*	\$16.28

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"" indicates estimate exhibits low precision.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-157

PY 2008 Period BPAC, Building Retrofits

SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Sector and Year, SEP-Attributable Energy in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	\$10.80*	\$11.17*	\$11.32*	\$11.57*	\$11.37*	\$11.42*	\$11.61*	\$12.47*	\$13.13*	\$12.42*	\$12.06*
Commercial	-	-	-	-	-	-	-	-	-	-	-
Industrial	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	\$8.49	\$8.11	\$8.13	\$8.52	\$8.33	\$8.33	\$8.47	\$9.02*	-	-	\$8.54
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	\$8.52	\$8.14	\$8.21	\$8.61	\$8.43	\$8.43	\$8.58	\$9.22*	\$13.13*	\$12.42*	\$8.69

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"" indicates estimate exhibits low precision.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-158 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Bill Savings by Fuel Type and Sector, Total Estimates, in Thousand 2009 Dollars

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	\$299*	-	-	\$6,785*	-	\$7,083*
Natural Gas	\$354*	-	-	\$3,480	-	\$3,833
Oil	-	-	-	-	-	-
Propane	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-
Wood	-	-	-	-	-	-
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-
Other	-	-	-	-	-	-
Total	\$653*	-	-	\$10,264	-	\$10,917

Note:
Standard errors estimates are not reported.
"-" indicates estimate rounds to zero and is considered imprecise.
"*" indicates estimate exhibits low precision.
Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-159 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Bill Savings by Fuel Type and Sector, Row Percent Estimates, in Thousand 2009 Dollars

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	4.2%*	-	-	95.8%	-	100.0%
Natural Gas	9.2%*	-	-	90.8%	-	100.0%
Oil	-	-	-	-	-	-
Propane	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-
Wood	-	-	-	-	-	-
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-
Other	-	-	-	-	-	-
Total	6.0%*	-	-	94.0%	-	100.0%

Note:
Standard errors estimates are not reported.
"-" indicates estimate rounds to zero and is considered imprecise.
"*" indicates estimate exhibits low precision.
Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-160 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Bill Savings by Fuel Type and Sector, Column Percent Estimates, in Thousand 2009 Dollars

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	45.8%	-	-	66.1%	-	64.9%
Natural Gas	54.2%	-	-	33.9%	-	35.1%
Oil	-	-	-	-	-	-
Propane	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-
Wood	-	-	-	-	-	-
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-
Other	-	-	-	-	-	-
Total	100.0%	-	-	100.0%	-	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-161 PY 2008 Period BPAC, Building Retrofits
 SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Fuel Type and Sector, SEP-Attributable Energy in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity, Units=MWh	\$128.98*	-	-	\$99.12*	-	\$100.10*
Natural Gas, Units=KTherms	\$1,336.87*	-	-	\$863.77	-	\$892.92
Oil, Units=KTherms	-	-	-	-	-	-
Propane, Units=KTherms	-	-	-	-	-	-
Kerosene, Units=KTherms	-	-	-	-	-	-
Wood, Units=Site MMBtu	-	-	-	-	-	-
Diesel, Units=Site MMBtu	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	-	-	-	-	-	-
Other, Units=Site MMBtu	-	-	-	-	-	-
Total,	\$18.99*	-	-	\$16.13	-	\$16.28

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Units=Site MMBtu						

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-162 PY 2008 Period BPAC, Building Retrofits
SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Fuel Type and Sector, SEP-Attributable Energy in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	\$11.32*	-	-	\$8.70*	-	\$8.78*
Natural Gas	\$12.77*	-	-	\$8.25	-	\$8.53
Oil	-	-	-	-	-	-
Propane	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-
Wood	-	-	-	-	-	-
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-
Other	-	-	-	-	-	-
Total	\$12.06*	-	-	\$8.54	-	\$8.69

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-163 PY 2008 Period BPAC, Clean Energy Policy Support
Overall Energy Savings by Fuel Type and Year, Total Estimates, in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	-	212,434* (312,354)	1,990,310* (3,181,924)	3,883,916 (4,670,703)	7,419,869 (5,550,031)	7,419,830 (5,550,031)	34,552,025 (30,096,692)	5,397,046 (5,425,425)	81* (124)	-	60,875,512 (44,839,265)
Natural Gas, Units=KTherms	-	1,429* (2,168)	38,906* (55,432)	122,410* (178,502)	271,595* (405,181)	271,595* (405,181)	1,899,016* (2,837,875)	1,233,053* (1,849,301)	-	-	3,838,006* (5,730,356)
Oil, Units=KTherms	-	-	22* (34)	45* (68)	100* (152)	100* (152)	699* (1,061)	633* (960)	-	-	1,599* (2,425)
Propane, Units=KTherms	-	-	-	2* (3)	5* (7)	5* (7)	34* (52)	32* (49)	-	-	79* (119)
Kerosene, Units=KTherms	-	-	-	-	-	-	2* (3)	2* (3)	-	-	5* (7)
Wood, Units=Site MMBtu	-	-	-	1,755* (2,662)	9,126* (13,843)	9,126* (13,843)	63,881* (96,901)	62,126* (94,239)	-	-	146,013* (221,488)
Diesel, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Other, Units=Site MMBtu	-	-	37,206* (56,438)	30,104* (45,665)	47,331* (71,796)	47,331* (71,796)	331,315* (502,575)	264,005* (400,472)	-	-	757,291* (1,148,742)

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Total,			10,721,25	25,530,05	52,544,11	52,543,98	308,266,7	142,113,6			592,587,8
Units=Site			0	0	1	0	81	45*			68
MMBtu	-	867,774	(8,822,615	(18,419,46	(54,286,22	(54,286,22	(377,645,7	(180,106,8	278*	-	(678,974,4
		(979,415)	)	1)	3)	3)	32)	20)	(422)		69)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-164 PY 2008 Period BPAC, Clean Energy Policy Support
Overall Energy Savings by Fuel Type and Year, Total Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	-	2,420,919* (3,559,608)	22,681,732* (36,261,465)	44,261,417 (53,227,704)	84,557,416 (63,248,592)	84,556,977 (63,248,592)	393,757,646 (342,984,310)	61,505,165 (61,828,580)	928* (1,408)	-	693,742,201 (510,991,855)
Natural Gas	-	149,635* (226,983)	4,073,463* (5,803,692)	12,816,379* (18,689,159)	28,436,008* (42,422,470)	28,436,008* (42,422,470)	198,827,021* (297,125,481)	129,100,696* (193,621,798)	-	-	401,839,210* (599,968,284)
Oil	-	-	2,236* (3,392)	4,495* (6,819)	10,091* (15,307)	10,091* (15,307)	70,637* (107,150)	63,906* (96,940)	-	-	161,457* (244,915)
Propane	-	-	9* (14)	220* (333)	497* (753)	497* (753)	3,477* (5,274)	3,248* (4,927)	-	-	7,947* (12,056)
Kerosene	-	-	-	9* (13)	31* (47)	31* (47)	215* (326)	206* (313)	-	-	491* (745)
Wood	-	-	-	1,755* (2,662)	9,126* (13,843)	9,126* (13,843)	63,881* (96,901)	62,126* (94,239)	-	-	146,013* (221,488)
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	37,206* (56,438)	30,104* (45,665)	47,331* (71,796)	47,331* (71,796)	331,315* (502,575)	264,005* (400,472)	-	-	757,291* (1,148,742)
Total	-	2,570,554* (3,455,462)	26,794,646 (33,192,960)	57,114,378 (48,669,765)	113,060,499 (95,500,356)	113,060,060 (95,500,356)	593,054,192 (621,797,060)	190,999,353 (185,000,693)	928* (1,408)	-	1,096,654,610 (1,002,650,304)

Note:



Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-165 PY 2008 Period BPAC, Clean Energy Policy Support
Overall Energy Savings by Fuel Type and Year, Average per Year Estimates, in Original Site Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	2009-2032	-	212,434* (312,354)	1,990,310* (3,181,924)	3,883,916 (4,670,703)	7,419,869 (5,550,031)	7,419,830 (5,550,031)	4,936,004 (4,299,527)	539,705 (542,543)	41* (62)	-	2,536,480 (1,868,303)
Natural Gas, Units=KTherms	2009-2029	-	1,429* (2,168)	38,906* (55,432)	122,410* (178,502)	271,595* (405,181)	271,595* (405,181)	271,288* (405,411)	137,006* (205,478)	-	-	182,762* (272,874)
Oil, Units=KTherms	2010-2027	-	-	22* (34)	45* (68)	100* (152)	100* (152)	100* (152)	90* (137)	-	-	89* (135)
Propane, Units=KTherms	2010-2027	-	-	-	2* (3)	5* (7)	5* (7)	5* (7)	5* (7)	-	-	4* (7)
Kerosene, Units=KTherms	2011-2027	-	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	2011-2027	-	-	-	1,755* (2,662)	9,126* (13,843)	9,126* (13,843)	9,126* (13,843)	8,875* (13,463)	-	-	8,589* (13,029)
Diesel, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Other, Units=Site	2010-2027	-	-	37,206* (56,438)	30,104* (45,665)	47,331* (71,796)	47,331* (71,796)	47,331* (71,796)	37,715* (57,210)	-	-	42,072* (63,819)

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
MMBtu												
Total, Units=Site MMBtu	2009- 2032	-	867,774 (979,415)	10,721,250 (8,822,615)	25,530,050 (18,419,461)	52,544,111 (54,286,223)	52,543,980 (54,286,223)	44,038,112 (53,949,390)	14,211,364* (18,010,682)	139* (211)	-	24,691,161 (28,290,603)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-166 PY 2008 Period BPAC, Clean Energy Policy Support
Overall Energy Savings by Fuel Type and Year, Average per Year Estimates, in Source MMBtu Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	2009-2032	-	2,420,919 [*] (3,559,608)	22,681,732 [*] (36,261,465)	44,261,417 [*] (53,227,704)	84,557,416 [*] (63,248,592)	84,556,977 [*] (63,248,592)	56,251,092 [*] (48,997,759)	6,150,517 (6,182,858)	464 [*] (704)	-	28,905,925 (21,291,327)
Natural Gas	2009-2029	-	149,635 [*] (226,983)	4,073,463 [*] (5,803,692)	12,816,379 [*] (18,689,159)	28,436,008 [*] (42,422,470)	28,436,008 [*] (42,422,470)	28,403,860 [*] (42,446,497)	14,344,522 [*] (21,513,533)	-	-	19,135,200 [*] (28,569,918)
Oil	2010-2027	-	-	2,236 [*] (3,392)	4,495 [*] (6,819)	10,091 [*] (15,307)	10,091 [*] (15,307)	10,091 [*] (15,307)	9,129 [*] (13,849)	-	-	8,970 [*] (13,606)
Propane	2010-2027	-	-	9 [*] (14)	220 [*] (333)	497 [*] (753)	497 [*] (753)	497 [*] (753)	464 [*] (704)	-	-	442 [*] (670)
Kerosene	2011-2027	-	-	-	9 [*] (13)	31 [*] (47)	31 [*] (47)	31 [*] (47)	29 [*] (45)	-	-	29 [*] (44)
Wood	2011-2027	-	-	-	1,755 [*] (2,662)	9,126 [*] (13,843)	9,126 [*] (13,843)	9,126 [*] (13,843)	8,875 [*] (13,463)	-	-	8,589 [*] (13,029)
Diesel	n/a	-	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-	-
Other	2010-2027	-	-	37,206 [*] (56,438)	30,104 [*] (45,665)	47,331 [*] (71,796)	47,331 [*] (71,796)	47,331 [*] (71,796)	37,715 [*] (57,210)	-	-	42,072 [*] (63,819)
Total	2009-2032	-	2,570,554 [*] (3,455,462)	26,794,646 [*] (33,192,960)	57,114,378 [*] (48,669,765)	113,060,499 [*] (95,500,356)	113,060,060 [*] (95,500,356)	84,722,027 [*] (88,828,151)	19,099,935 [*] (18,500,069)	464 [*] (704)	-	45,693,942 (41,777,096)

Note:



Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-167 PY 2008 Period BPAC, Clean Energy Policy Support
Overall Energy Savings by Fuel Type and Year, Row Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	-	0.3%* (0.5%)	3.3%* (5.1%)	6.4% (6.9%)	12.2% (0.2%)	12.2% (0.2%)	56.8% (20.2%)	8.9% (7.6%)	-	-	100.0% (0.0%)
Natural Gas	-	-	1.0% (0.1%)	3.2% (0.1%)	7.1% (0.0%)	7.1% (0.0%)	49.5% (0.1%)	32.1% (0.3%)	-	-	100.0% (0.0%)
Oil	-	-	1.4% (0.0%)	2.8% (0.0%)	6.3% (0.0%)	6.3% (0.0%)	43.8% (0.0%)	39.6% (0.0%)	-	-	100.0% (0.0%)
Propane	-	-	0.1% (0.0%)	2.8% (0.0%)	6.3% (0.0%)	6.3% (0.0%)	43.8% (0.0%)	40.9% (0.0%)	-	-	100.0% (0.0%)
Kerosene	-	-	-	1.7% (0.0%)	6.3% (0.0%)	6.3% (0.0%)	43.8% (0.0%)	42.0% (0.0%)	-	-	100.0% (0.0%)
Wood	-	-	-	1.2% (0.0%)	6.3% (0.0%)	6.3% (0.0%)	43.8% (0.0%)	42.5% (0.0%)	-	-	100.0% (0.0%)
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	4.9% (0.0%)	4.0% (0.0%)	6.3% (0.0%)	6.3% (0.0%)	43.8% (0.0%)	34.9% (0.0%)	-	-	100.0% (0.0%)
Total	-	0.2%* (0.4%)	2.4%* (3.9%)	5.2% (5.3%)	10.3% (1.4%)	10.3% (1.4%)	54.1% (10.8%)	17.4% (1.6%)	-	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-168 PY 2008 Period BPAC, Clean Energy Policy Support
Overall Energy Savings by Fuel Type and Year, Column Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	-	94.2% (14.1%)	84.7% (34.8%)	77.5% (38.9%)	74.8% (22.2%)	74.8% (22.2%)	66.4% (18.3%)	32.2%* (44.3%)	100.0% (0.0%)	-	63.3% (27.3%)
Natural Gas	-	5.8%* (14.1%)	15.2%* (34.8%)	22.4%* (39.0%)	25.2% (22.3%)	25.2% (22.3%)	33.5% (18.4%)	67.6% (44.7%)	-	-	36.6% (27.4%)
Oil	-	-	-	-	-	-	-	-	-	-	-
Propane	-	-	-	-	-	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	-	-	-	-	-	-	-	-	-
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	0.1% (0.0%)	0.1% (0.0%)	-	-	0.1%* (0.1%)	0.1%* (0.3%)	-	-	0.1%* (0.1%)
Total	-	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-169 PY 2008 Period BPAC, Clean Energy Policy Support
Overall Renewable Generation by Fuel Type and Year, Total Estimates, in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated, Units=MWh	1,717* (2,301)	71,984* (96,475)	92,002 (107,918)	96,768 (114,517)	124,783 (151,245)	127,345 (150,120)	849,992 (1,056,166)	1,061,882 (1,307,102)	209,158* (320,730)	-23,140* (31,012)	2,612,492* (3,306,327)
Methane Produced, Units=KTherms	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	2,456* (3,292)	2,456* (3,292)	2,456* (3,292)	2,456* (3,292)	2,456* (3,292)	2,456* (3,292)	17,195* (23,045)	24,564* (32,922)	12,282* (16,461)	-	68,780* (92,181)
Biodiesel Production, Units=KTherms	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Other, Units=Site	-	-	-	-	-	-	-	-	-	-	-

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
MMBtu											
Total, Units=Site MMBtu	251,502* (337,068)	491,264* (658,404)	559,567 (694,610)	575,831 (717,496)	671,421* (843,600)	680,163 (839,607)	4,619,796* (5,892,987)	6,079,725* (7,724,606)	1,941,895* (2,697,972)	-78,956* (105,818)	15,792,207* (20,424,334)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-170 PY 2008 Period BPAC, Clean Energy Policy Support
Overall Renewable Generation by Fuel Type and Year, Total Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	5,858* (7,851)	245,610* (329,173)	313,911 (368,216)	330,174 (390,733)	425,760 (516,047)	426,469 (515,186)	2,562,804* (3,767,571)	3,141,187* (4,704,369)	231,694* (1,514,547)	-263,702* (353,419)	7,419,766* (12,085,056)
Methane Produced	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	257,189* (344,690)	257,189* (344,690)	257,189* (344,690)	257,189* (344,690)	257,189* (344,690)	257,189* (344,690)	1,800,321* (2,412,833)	2,571,887* (3,446,905)	1,285,944* (1,723,452)	-	7,201,285* (9,651,333)
Biodiesel Production	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
Total	263,047* (352,541)	502,799* (673,863)	571,100 (709,999)	587,363 (732,891)	682,949* (859,004)	683,657* (857,875)	4,363,126* (6,145,120)	5,713,075* (8,088,496)	1,517,638* (3,057,921)	-263,702* (353,419)	14,621,051* (21,526,403)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-171 PY 2008 Period BPAC, Clean Energy Policy Support
Overall Renewable Generation by Fuel Type and Year, Average per Year Estimates, in Original Site Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated, Units=MWh	2008-2044	1,717* (2,301)	71,984* (96,475)	92,002 (107,918)	96,768 (114,517)	124,783 (151,245)	127,345 (150,120)	121,427 (150,881)	106,188 (130,710)	20,916* (32,073)	-5,785* (7,753)	70,608* (89,360)
Methane Produced, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	2008-2035	2,456* (3,292)	2,456* (3,292)	2,456* (3,292)	2,456* (3,292)	2,456* (3,292)	2,456* (3,292)	2,456* (3,292)	2,456* (3,292)	2,456* (3,292)	-	2,456* (3,292)
Biodiesel Production, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Other,	n/a	-	-	-	-	-	-	-	-	-	-	-

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Units=Site MMBtu												
Total, Units=Site MMBtu	2008-2044	251,502* (337,068)	491,264* (658,404)	559,567 (694,610)	575,831 (717,496)	671,421* (843,600)	680,163 (839,607)	659,971* (841,855)	607,972* (772,461)	194,190* (269,797)	-19,739* (26,455)	426,816* (552,009)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-172 PY 2008 Period BPAC, Clean Energy Policy Support
Overall Renewable Generation by Fuel Type and Year, Average per Year Estimates, in Source MMBtu Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	2008-2044	5,858* (7,851)	245,610* (329,173)	313,911 (368,216)	330,174 (390,733)	425,760 (516,047)	426,469 (515,186)	366,115* (538,224)	314,119* (470,437)	23,169* (151,455)	-65,925* (88,355)	200,534* (326,623)
Methane Produced	n/a	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	2008-2035	257,189* (344,690)	257,189* (344,690)	257,189* (344,690)	257,189* (344,690)	257,189* (344,690)	257,189* (344,690)	257,189* (344,690)	257,189* (344,690)	257,189* (344,690)	-	257,189* (344,690)
Biodiesel Production	n/a	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production	n/a	-	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-	-
Total	2008-2044	263,047* (352,541)	502,799* (673,863)	571,100 (709,999)	587,363 (732,891)	682,949* (859,004)	683,657* (857,875)	623,304* (877,874)	571,307* (808,850)	151,764* (305,792)	-65,925* (88,355)	395,164* (581,795)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.



Table K-173 PY 2008 Period BPAC, Clean Energy Policy Support
Overall Renewable Generation by Fuel Type and Year, Row Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	0.1% (0.0%)	3.3% (1.7%)	4.2% (2.4%)	4.4% (2.5%)	5.7% (3.1%)	5.7% (2.9%)	34.5% (6.5%)	42.3% (6.1%)	3.1%* (15.9%)	-3.6%* (9.1%)	100.0% (0.0%)
Methane Produced	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	3.6% (0.0%)	3.6% (0.0%)	3.6% (0.0%)	3.6% (0.0%)	3.6% (0.0%)	3.6% (0.0%)	25.0% (0.0%)	35.7% (0.0%)	17.9% (0.0%)	-	100.0% (0.0%)
Biodiesel Production	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
Total	1.8% (0.5%)	3.4% (0.9%)	3.9% (1.1%)	4.0% (1.2%)	4.7% (1.3%)	4.7% (1.2%)	29.8% (2.2%)	39.1% (2.4%)	10.4% (6.4%)	-1.8%* (4.2%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

""*"" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-174 PY 2008 Period BPAC, Clean Energy Policy Support
Overall Renewable Generation by Fuel Type and Year, Column Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	2.2% (0.0%)	48.8% (0.0%)	55.0% (7.0%)	56.2% (6.4%)	62.3% (4.9%)	62.4% (5.2%)	58.7% (8.1%)	55.0% (9.6%)	15.3%* (71.8%)	100.0% (0.0%)	50.7% (12.6%)
Methane Produced	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	97.8% (0.0%)	51.2% (0.0%)	45.0% (7.0%)	43.8% (6.4%)	37.7% (4.9%)	37.6% (5.2%)	41.3% (8.1%)	45.0% (9.6%)	84.7% (71.8%)	-	49.3% (12.6%)
Biodiesel Production	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
Total	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-175 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Energy Savings by Fuel Type and Year, Total Estimates, in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	-	4,375* (6,484)	8,210 (8,250)	9,115 (8,658)	10,389 (7,453)	10,379 (7,453)	35,361 (11,805)	11,241 (7,768)	1* (2)	-	89,072 (40,308)
Natural Gas, Units=KTher ms	-	19* (29)	37 (30)	121 (118)	122 (92)	122 (92)	835 (633)	591 (457)	-	-	1,847 (1,419)
Oil, Units=KTher ms	-	-	-	-	-	-	-	-	-	-	1* (1)
Propane, Units=KTher ms	-	-	-	-	-	-	-	-	-	-	-
Kerosene, Units=KTher ms	-	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	-	-	-	1* (1)	3* (5)	3* (5)	22* (34)	22* (33)	-	-	51* (78)
Diesel, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Other, Units=Site MMBtu	-	-	37* (56)	34* (51)	39* (60)	39* (60)	276* (418)	205* (311)	-	-	630* (956)
Total, Units=Site	-	16,843 (20,861)	31,762 (25,993)	43,208 (24,793)	47,675 (18,733)	47,643 (18,737)	204,513 (83,512)	97,727 (55,085)	4* (6)	-	489,375 (164,898)

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
MMBtu											

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-176 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Energy Savings by Fuel Type and Year, Total Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	-	49,855* (73,894)	93,562 (94,013)	103,875 (98,671)	118,395 (84,934)	118,285 (84,934)	402,980 (134,533)	128,108 (88,519)	14* (21)	-	1,015,074 (459,357)
Natural Gas	-	2,006* (3,043)	3,883 (3,140)	12,636 (12,340)	12,751 (9,682)	12,751 (9,682)	87,446 (66,274)	61,890 (47,885)	-	-	193,363 (148,600)
Oil	-	-	2* (3)	3* (5)	5* (8)	5* (8)	35* (54)	30* (45)	-	-	81* (123)
Propane	-	-	-	-	-	-	1* (2)	1* (2)	-	-	3* (5)
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	-	1* (1)	3* (5)	3* (5)	22* (34)	22* (33)	-	-	51* (78)
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	37* (56)	34* (51)	39* (60)	39* (60)	276* (418)	205* (311)	-	-	630* (956)
Total	-	51,861* (72,457)	97,484 (91,701)	116,549 (92,206)	131,194 (75,582)	131,084 (75,582)	490,761 (165,526)	190,256 (105,135)	14* (21)	-	1,209,203 (439,661)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-177 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Energy Savings by Fuel Type and Year, Average per Year Estimates, in Original Site Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	2009-2032	-	4,375* (6,484)	8,210 (8,250)	9,115 (8,658)	10,389 (7,453)	10,379 (7,453)	5,052 (1,686)	1,124 (777)	1* (1)	-	3,711 (1,680)
Natural Gas, Units=KTherms	2009-2029	-	19* (29)	37 (30)	121 (118)	122 (92)	122 (92)	119 (90)	66 (51)	-	-	88 (68)
Oil, Units=KTherms	2010-2027	-	-	-	-	-	-	-	-	-	-	-
Propane, Units=KTherms	2010-2027	-	-	-	-	-	-	-	-	-	-	-
Kerosene, Units=KTherms	2011-2027	-	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	2011-2027	-	-	-	1* (1)	3* (5)	3* (5)	3* (5)	3* (5)	-	-	3* (5)
Diesel, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Other, Units=Site MMBtu	2010-2027	-	-	37* (56)	34* (51)	39* (60)	39* (60)	39* (60)	29* (44)	-	-	35* (53)
Total,	2009-	-	16,843	31,762	43,208	47,675	47,643	29,216	9,773	2*	-	20,391

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Units=Site MMBtu	2032		(20,861)	(25,993)	(24,793)	(18,733)	(18,737)	(11,930)	(5,508)	(3)		(6,871)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-178 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Energy Savings by Fuel Type and Year, Average per Year Estimates, in Source MMBtu Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	2009-2032	-	49,855* (73,894)	93,562 (94,013)	103,875 (98,671)	118,395 (84,934)	118,285 (84,934)	57,569 (19,219)	12,811 (8,852)	7* (11)	-	42,295 (19,140)
Natural Gas	2009-2029	-	2,006* (3,043)	3,883 (3,140)	12,636 (12,340)	12,751 (9,682)	12,751 (9,682)	12,492 (9,468)	6,877 (5,321)	-	-	9,208 (7,076)
Oil	2010-2027	-	-	2* (3)	3* (5)	5* (8)	5* (8)	5* (8)	4* (6)	-	-	4* (7)
Propane	2010-2027	-	-	-	-	-	-	-	-	-	-	-
Kerosene	2011-2027	-	-	-	-	-	-	-	-	-	-	-
Wood	2011-2027	-	-	-	1* (1)	3* (5)	3* (5)	3* (5)	3* (5)	-	-	3* (5)
Diesel	n/a	-	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-	-
Other	2010-2027	-	-	37* (56)	34* (51)	39* (60)	39* (60)	39* (60)	29* (44)	-	-	35* (53)
Total	2009-2032	-	51,861* (72,457)	97,484 (91,701)	116,549 (92,206)	131,194 (75,582)	131,084 (75,582)	70,109 (23,647)	19,026 (10,514)	7* (11)	-	50,383 (18,319)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.



Table K-179 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Energy Savings by Fuel Type and Year, Row Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	-	4.9% (5.6%)	9.2% (5.3%)	10.2% (5.5%)	11.7% (4.3%)	11.7% (4.3%)	39.7% (20.2%)	12.6% (6.7%)	-	-	100.0% (0.0%)
Natural Gas	-	1.0% (1.2%)	2.0% (0.3%)	6.5% (3.2%)	6.6% (0.5%)	6.6% (0.5%)	45.2% (4.6%)	32.0% (0.9%)	-	-	100.0% (0.0%)
Oil	-	-	2.7% (0.0%)	3.9% (0.0%)	6.3% (0.0%)	6.3% (0.0%)	43.8% (0.0%)	37.1% (0.0%)	-	-	100.0% (0.0%)
Propane	-	-	0.3% (0.0%)	3.3% (0.0%)	6.3% (0.0%)	6.3% (0.0%)	43.8% (0.0%)	40.2% (0.0%)	-	-	100.0% (0.0%)
Kerosene	-	-	-	2.1% (0.0%)	6.3% (0.0%)	6.3% (0.0%)	43.8% (0.0%)	41.7% (0.0%)	-	-	100.0% (0.0%)
Wood	-	-	-	1.5% (0.0%)	6.3% (0.0%)	6.3% (0.0%)	43.8% (0.0%)	42.3% (0.0%)	-	-	100.0% (0.0%)
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	5.8% (0.0%)	5.3% (0.0%)	6.3% (0.0%)	6.3% (0.0%)	43.8% (0.0%)	32.6% (0.0%)	-	-	100.0% (0.0%)
Total	-	4.3% (5.2%)	8.1% (5.6%)	9.6% (5.2%)	10.8% (4.3%)	10.8% (4.3%)	40.6% (17.9%)	15.7% (7.6%)	-	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-180 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Energy Savings by Fuel Type and Year, Column Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	-	96.1% (9.6%)	96.0% (6.5%)	89.1% (16.5%)	90.2% (12.8%)	90.2% (12.9%)	82.1% (9.4%)	67.3% (21.3%)	100.0% (0.0%)	-	83.9% (15.2%)
Natural Gas	-	3.9%* (9.6%)	4.0%* (6.5%)	10.8%* (16.5%)	9.7%* (12.9%)	9.7%* (12.9%)	17.8% (9.5%)	32.5% (21.5%)	-	-	16.0% (15.3%)
Oil	-	-	-	-	-	-	-	-	-	-	-
Propane	-	-	-	-	-	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	-	-	-	-	-	-	-	-	-
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	0.1%* (0.1%)	0.1%* (0.2%)	-	-	0.1%* (0.1%)
Total	-	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-181 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Energy Savings by Sector and Year, Total Estimates, in Site MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	-	13,065* (19,819)	18,839* (26,864)	21,738* (27,787)	24,925 (26,302)	24,925 (26,302)	47,629 (52,887)	17,345* (23,474)	-	-	168,466 (134,125)
Commercial	-	1,633* (2,477)	3,419 (4,051)	5,342 (4,579)	8,670 (6,947)	8,670 (6,947)	60,693 (48,626)	24,979 (18,975)	-	-	113,407 (86,806)
Industrial	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	-	2,145* (3,253)	9,504* (14,273)	16,129* (24,322)	14,080* (21,264)	14,047* (21,263)	96,190* (145,611)	55,402* (84,026)	4* (6)	-	207,501* (314,018)
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	-	16,843 (20,861)	31,762 (25,993)	43,208 (24,793)	47,675 (18,733)	47,643 (18,737)	204,513 (83,512)	97,727 (55,085)	4* (6)	-	489,375 (164,898)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

Table K-182 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Energy Savings by Sector and Year, Total Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	-	43,636* (66,192)	60,953* (90,942)	68,309* (95,391)	75,423 (91,207)	75,423 (91,207)	104,317 (98,860)	22,965 (27,052)	-	-	451,027 (440,699)
Commercial	-	5,455* (8,274)	9,953* (14,448)	14,692 (15,836)	23,279 (17,656)	23,279 (17,656)	162,956 (123,595)	58,178 (57,336)	-	-	297,793 (235,614)
Industrial	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	-	2,770* (4,202)	26,578* (39,837)	33,548* (50,409)	32,491* (48,971)	32,381* (48,970)	223,488* (338,007)	109,113* (165,467)	14* (21)	-	460,383* (695,881)
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	-	51,861* (72,457)	97,484 (91,701)	116,549 (92,206)	131,194 (75,582)	131,084 (75,582)	490,761 (165,526)	190,256 (105,135)	14* (21)	-	1,209,203 (439,661)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-183 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Energy Savings by Sector and Year, Average per Year Estimates, in Site MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	2009-2027	-	13,065* (19,819)	18,839* (26,864)	21,738* (27,787)	24,925 (26,302)	24,925 (26,302)	6,804 (7,555)	2,478* (3,353)	-	-	8,867 (7,059)
Commercial	2009-2025	-	1,633* (2,477)	3,419 (4,051)	5,342 (4,579)	8,670 (6,947)	8,670 (6,947)	8,670 (6,947)	4,996 (3,795)	-	-	6,671 (5,106)
Industrial	n/a	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	2009-2032	-	2,145* (3,253)	9,504* (14,273)	16,129* (24,322)	14,080* (21,264)	14,047* (21,263)	13,741* (20,802)	5,540* (8,403)	2* (3)	-	8,646* (13,084)
Private Institutional	n/a	-	-	-	-	-	-	-	-	-	-	-
Total	2009-2032	-	16,843 (20,861)	31,762 (25,993)	43,208 (24,793)	47,675 (18,733)	47,643 (18,737)	29,216 (11,930)	9,773 (5,508)	2* (3)	-	20,391 (6,871)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-184 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Energy Savings by Sector and Year, Average per Year Estimates, in Source MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	2009-2027	-	43,636* (66,192)	60,953* (90,942)	68,309* (95,391)	75,423 (91,207)	75,423 (91,207)	14,902 (14,123)	3,281 (3,865)	-	-	23,738 (23,195)
Commercial	2009-2025	-	5,455* (8,274)	9,953* (14,448)	14,692 (15,836)	23,279 (17,656)	23,279 (17,656)	23,279 (17,656)	11,636 (11,467)	-	-	17,517 (13,860)
Industrial	n/a	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	2009-2032	-	2,770* (4,202)	26,578* (39,837)	33,548* (50,409)	32,491* (48,971)	32,381* (48,970)	31,927* (48,287)	10,911* (16,547)	7* (11)	-	19,183* (28,995)
Private Institutional	n/a	-	-	-	-	-	-	-	-	-	-	-
Total	2009-2032	-	51,861* (72,457)	97,484 (91,701)	116,549 (92,206)	131,194 (75,582)	131,084 (75,582)	70,109 (23,647)	19,026 (10,514)	7* (11)	-	50,383 (18,319)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-185 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Energy Savings by Sector and Year, Row Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	-	9.7% (6.7%)	13.5% (9.0%)	15.1% (8.4%)	16.7% (5.4%)	16.7% (5.4%)	23.1% (27.4%)	5.1%* (7.7%)	-	-	100.0% (0.0%)
Commercial	-	1.8% (2.0%)	3.3% (3.4%)	4.9% (2.7%)	7.8% (1.8%)	7.8% (1.8%)	54.7% (12.4%)	19.5% (7.9%)	-	-	100.0% (0.0%)
Industrial	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	-	0.6% (0.0%)	5.8% (0.1%)	7.3% (0.1%)	7.1% (0.0%)	7.0% (0.0%)	48.5% (0.1%)	23.7% (0.2%)	-	-	100.0% (0.0%)
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	-	4.3% (5.2%)	8.1% (5.6%)	9.6% (5.2%)	10.8% (4.3%)	10.8% (4.3%)	40.6% (17.9%)	15.7% (7.6%)	-	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-186 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Energy Savings by Sector and Year, Column Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	-	84.1% (11.8%)	62.5% (44.4%)	58.6% (44.4%)	57.5% (39.6%)	57.5% (39.6%)	21.3% (23.9%)	12.1%* (19.7%)	-	-	37.3% (34.5%)
Commercial	-	10.5% (1.5%)	10.2% (7.0%)	12.6% (8.2%)	17.7% (13.8%)	17.8% (13.9%)	33.2% (34.6%)	30.6%* (43.2%)	-	-	24.6% (21.3%)
Industrial	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	-	5.3%* (13.3%)	27.3%* (51.4%)	28.8%* (51.5%)	24.8%* (44.3%)	24.7%* (44.3%)	45.5% (56.6%)	57.4% (55.9%)	100.0% (0.0%)	-	38.1%* (54.6%)
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	-	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-187 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Energy Savings by Fuel Type and Sector, Total Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity, Units=MWh	35,109 (40,159)	22,887 (20,103)	-	31,076* (46,923)	-	89,072 (40,308)
Natural Gas, Units=KTherms	479* (725)	353* (535)	-	1,015* (1,539)	-	1,847 (1,419)
Oil, Units=KTherms	1* (1)	-	-	-	-	1* (1)
Propane, Units=KTherms	-	-	-	-	-	-
Kerosene, Units=KTherms	-	-	-	-	-	-
Wood, Units=Site MMBtu	51* (78)	-	-	-	-	51* (78)
Diesel, Units=Site MMBtu	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	-	-	-	-	-	-
Other, Units=Site MMBtu	630* (956)	-	-	-	-	630* (956)
Total,	168,466	113,407	-	207,501*	-	489,375

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Units=Site MMBtu	(134,125)	(86,806)		(314,018)		(164,898)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-188 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Energy Savings by Fuel Type and Sector, Total Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	400,106 (457,654)	260,818 (229,098)	-	354,150* (534,737)	-	1,015,074 (459,357)
Natural Gas	50,156* (75,955)	36,975* (56,002)	-	106,233* (161,145)	-	193,363 (148,600)
Oil	81* (123)	-	-	-	-	81* (123)
Propane	3* (5)	-	-	-	-	3* (5)
Kerosene	-	-	-	-	-	-
Wood	51* (78)	-	-	-	-	51* (78)
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-
Other	630* (956)	-	-	-	-	630* (956)
Total	451,027 (440,699)	297,793 (235,614)	-	460,383* (695,881)	-	1,209,203 (439,661)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-189 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Energy Savings by Fuel Type and Sector, Average per Year Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity, Units=MWh	1,848 (2,114)	1,346 (1,183)	-	1,295* (1,955)	-	3,711 (1,680)
Natural Gas, Units=KTherms	27* (40)	22* (33)	-	48* (73)	-	88 (68)
Oil, Units=KTherms	-	-	-	-	-	-
Propane, Units=KTherms	-	-	-	-	-	-
Kerosene, Units=KTherms	-	-	-	-	-	-
Wood, Units=Site MMBtu	3* (5)	-	-	-	-	3* (5)
Diesel, Units=Site MMBtu	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	-	-	-	-	-	-
Other, Units=Site MMBtu	35* (53)	-	-	-	-	35* (53)
Total,	8,867	6,671	-	8,646*	-	20,391

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Units=Site MMBtu	(7,059)	(5,106)		(13,084)		(6,871)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-190 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Energy Savings by Fuel Type and Sector, Average per Year Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	21,058 (24,087)	15,342 (13,476)	-	14,756* (22,281)	-	42,295 (19,140)
Natural Gas	2,786* (4,220)	2,311* (3,500)	-	5,059* (7,674)	-	9,208 (7,076)
Oil	4* (7)	-	-	-	-	4* (7)
Propane	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-
Wood	3* (5)	-	-	-	-	3* (5)
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-
Other	35* (53)	-	-	-	-	35* (53)
Total	23,738 (23,195)	17,517 (13,860)	-	19,183* (28,995)	-	50,383 (18,319)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-191 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Energy Savings by Fuel Type and Sector, Row Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	39.4% (35.0%)	25.7% (20.3%)	-	34.9%* (53.9%)	-	100.0% (0.0%)
Natural Gas	25.9%* (37.4%)	19.1%* (27.6%)	-	54.9% (65.0%)	-	100.0% (0.0%)
Oil	100.0% (0.0%)	-	-	-	-	100.0% (0.0%)
Propane	100.0% (0.0%)	-	-	-	-	100.0% (0.0%)
Kerosene	100.0% (0.0%)	-	-	-	-	100.0% (0.0%)
Wood	100.0% (0.0%)	-	-	-	-	100.0% (0.0%)
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-
Other	100.0% (0.0%)	-	-	-	-	100.0% (0.0%)
Total	37.3% (34.5%)	24.6% (21.3%)	-	38.1%* (54.6%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-192 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Energy Savings by Fuel Type and Sector, Column Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	88.7% (21.3%)	87.6% (19.1%)	-	76.9% (0.2%)	-	83.9% (15.2%)
Natural Gas	11.1%* (21.4%)	12.4%* (19.1%)	-	23.1% (0.2%)	-	16.0% (15.3%)
Oil	-	-	-	-	-	-
Propane	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-
Wood	-	-	-	-	-	-
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-
Other	0.1% (0.1%)	-	-	-	-	0.1%* (0.1%)
Total	100.0% (0.0%)	100.0% (0.0%)	-	100.0% (0.0%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-193 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Renewable Generation by Fuel Type and Year, Total Estimates, in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated, Units=MWh	95* (128)	460* (616)	908* (1,201)	1,213* (1,610)	2,882* (3,845)	2,862* (3,831)	17,427* (27,297)	23,526* (37,178)	9,099* (19,009)	-1,465* (1,963)	57,007* (95,250)
Methane Produced, Units=KTherms	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	461* (617)	461* (617)	461* (617)	461* (617)	461* (617)	461* (617)	3,224* (4,321)	4,606* (6,173)	2,303* (3,086)	-	12,896* (17,284)
Biodiesel Production, Units=KTherms	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Other, Units=Site	-	-	-	-	-	-	-	-	-	-	-

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
MMBtu											
Total, Units=Site MMBtu	46,383* (62,164)	47,626* (63,830)	49,157* (65,824)	50,198* (67,220)	55,891* (74,848)	55,822* (74,795)	381,871* (524,540)	540,855* (743,080)	261,338* (371,603)	-4,998* (6,698)	1,484,145* (2,049,539)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-194 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Renewable Generation by Fuel Type and Year, Total Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	325* (436)	1,568* (2,101)	3,099* (4,096)	4,140* (5,492)	9,832* (13,120)	9,255* (13,277)	38,106* (107,256)	49,762* (147,432)	539* (92,252)	-16,692* (22,371)	99,934* (394,056)
Methane Produced	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	48,223* (64,629)	48,223* (64,629)	48,223* (64,629)	48,223* (64,629)	48,223* (64,629)	48,223* (64,629)	337,560* (452,406)	482,229* (646,295)	241,114* (323,147)	-	1,350,241* (1,809,625)
Biodiesel Production	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
Total	48,548* (65,065)	49,791* (66,731)	51,322* (68,725)	52,363* (70,121)	58,055* (77,749)	57,478* (77,872)	375,666* (553,311)	531,991* (784,196)	241,653* (399,971)	-16,692* (22,371)	1,450,175* (2,168,955)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-195 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Renewable Generation by Fuel Type and Year, Average per Year Estimates, in Original Site Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated, Units=MWh	2008-2044	95* (128)	460* (616)	908* (1,201)	1,213* (1,610)	2,882* (3,845)	2,862* (3,831)	2,490* (3,900)	2,353* (3,718)	910* (1,901)	-366* (491)	1,541* (2,574)
Methane Produced, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	2008-2035	461* (617)	461* (617)	461* (617)	461* (617)	461* (617)	461* (617)	461* (617)	461* (617)	461* (617)	-	461* (617)
Biodiesel Production, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Other,	n/a	-	-	-	-	-	-	-	-	-	-	-

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Units=Site MMBtu												
Total, Units=Site MMBtu	2008-2044	46,383* (62,164)	47,626* (63,830)	49,157* (65,824)	50,198* (67,220)	55,891* (74,848)	55,822* (74,795)	54,553* (74,934)	54,085* (74,308)	26,134* (37,160)	-1,249* (1,675)	40,112* (55,393)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-196 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Renewable Generation by Fuel Type and Year, Average per Year Estimates, in Source MMBtu Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	2008-2044	325* (436)	1,568* (2,101)	3,099* (4,096)	4,140* (5,492)	9,832* (13,120)	9,255* (13,277)	5,444* (15,322)	4,976* (14,743)	54* (9,225)	-4,173* (5,593)	2,701* (10,650)
Methane Produced	n/a	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	2008-2035	48,223* (64,629)	48,223* (64,629)	48,223* (64,629)	48,223* (64,629)	48,223* (64,629)	48,223* (64,629)	48,223* (64,629)	48,223* (64,629)	48,223* (64,629)	-	48,223* (64,629)
Biodiesel Production	n/a	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production	n/a	-	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-	-
Total	2008-2044	48,548* (65,065)	49,791* (66,731)	51,322* (68,725)	52,363* (70,121)	58,055* (77,749)	57,478* (77,872)	53,667* (79,044)	53,199* (78,420)	24,165* (39,997)	-4,173* (5,593)	39,194* (58,620)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

""*"" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.



Table K-197 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Renewable Generation by Fuel Type and Year, Row Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	0.3%* (0.9%)	1.6%* (4.4%)	3.1%* (8.8%)	4.1%* (11.7%)	9.8%* (27.7%)	9.3%* (24.7%)	38.1% (44.3%)	49.8% (50.1%)	0.5%* (90.2%)	-16.7%* (82.3%)	100.0% (0.0%)
Methane Produced	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	3.6% (0.0%)	3.6% (0.0%)	3.6% (0.0%)	3.6% (0.0%)	3.6% (0.0%)	3.6% (0.0%)	25.0% (0.0%)	35.7% (0.0%)	17.9% (0.0%)	-	100.0% (0.0%)
Biodiesel Production	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
Total	3.3% (0.6%)	3.4% (0.7%)	3.5% (0.7%)	3.6% (0.7%)	4.0% (0.8%)	4.0% (0.7%)	25.9% (0.7%)	36.7% (0.9%)	16.7% (3.1%)	-1.2%* (2.7%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-198 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Renewable Generation by Fuel Type and Year, Column Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	0.7% (0.0%)	3.1% (0.0%)	6.0% (0.2%)	7.9% (0.2%)	16.9% (0.1%)	16.1% (2.0%)	10.1%* (15.0%)	9.4%* (15.3%)	0.2%* (37.9%)	100.0% (0.0%)	6.9%* (18.0%)
Methane Produced	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	99.3% (0.0%)	96.9% (0.0%)	94.0% (0.2%)	92.1% (0.2%)	83.1% (0.1%)	83.9% (2.0%)	89.9% (15.0%)	90.6% (15.3%)	99.8% (37.9%)	-	93.1% (18.0%)
Biodiesel Production	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
Total	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"**" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-199 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Renewable Generation by Sector and Year, Total Estimates, in Site MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	-	-	43* (65)	43* (65)	43* (65)	43* (65)	302* (458)	432* (655)	172* (262)	-	1,078* (1,635)
Commercial	325* (436)	1,115* (1,494)	2,603* (3,488)	3,644* (4,884)	9,336* (12,513)	9,290* (12,450)	63,750* (85,439)	87,302* (117,005)	43,523* (58,331)	-	220,888* (296,039)
Industrial	46,058* (61,728)	46,512* (62,336)	46,512* (62,336)	46,512* (62,336)	46,512* (62,336)	46,294* (62,409)	316,454* (439,568)	451,171* (626,740)	217,253* (313,467)	-4,998* (6,698)	1,258,278* (1,754,869)
Public Institutional	-	-	-	-	-	195* (261)	1,365* (1,830)	1,950* (2,614)	390* (523)	-	3,901* (5,228)
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	46,383* (62,164)	47,626* (63,830)	49,157* (65,824)	50,198* (67,220)	55,891* (74,848)	55,822* (74,795)	381,871* (524,540)	540,855* (743,080)	261,338* (371,603)	-4,998* (6,698)	1,484,145* (2,049,539)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

Table K-200 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Renewable Generation by Sector and Year, Total Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	-	-	43* (65)	43* (65)	43* (65)	43* (65)	302* (458)	431* (655)	172* (262)	-	1,078* (1,635)
Commercial	325* (436)	1,115* (1,494)	2,603* (3,488)	3,644* (4,884)	9,336* (12,512)	9,289* (12,450)	63,747* (85,435)	87,299* (117,000)	43,521* (58,328)	-	220,879* (296,027)
Industrial	48,223* (64,629)	48,676* (65,237)	48,676* (65,237)	48,676* (65,237)	48,676* (65,237)	47,950* (65,487)	310,252* (468,545)	442,311* (668,139)	197,569* (342,432)	-16,692* (22,371)	1,224,318* (1,875,206)
Public Institutional	-	-	-	-	-	195* (261)	1,365* (1,830)	1,950* (2,614)	390* (523)	-	3,901* (5,228)
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	48,548* (65,065)	49,791* (66,731)	51,322* (68,725)	52,363* (70,121)	58,055* (77,749)	57,478* (77,872)	375,666* (553,311)	531,991* (784,196)	241,653* (399,971)	-16,692* (22,371)	1,450,175* (2,168,955)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-201 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Renewable Generation by Sector and Year, Average per Year Estimates, in Site MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	2010-2034	-	-	43* (65)	43* (65)	43* (65)	43* (65)	43* (65)	43* (65)	43* (65)	-	43* (65)
Commercial	2008-2036	325* (436)	1,115* (1,494)	2,603* (3,488)	3,644* (4,884)	9,336* (12,513)	9,290* (12,450)	9,107* (12,206)	8,730* (11,700)	7,254* (9,722)	-	7,617* (10,208)
Industrial	2008-2044	46,058* (61,728)	46,512* (62,336)	46,512* (62,336)	46,512* (62,336)	46,512* (62,336)	46,294* (62,409)	45,208* (62,795)	45,117* (62,674)	21,725* (31,347)	-1,249* (1,675)	34,008* (47,429)
Public Institutional	2013-2032	-	-	-	-	-	195* (261)	195* (261)	195* (261)	195* (261)	-	195* (261)
Private Institutional	n/a	-	-	-	-	-	-	-	-	-	-	-
Total	2008-2044	46,383* (62,164)	47,626* (63,830)	49,157* (65,824)	50,198* (67,220)	55,891* (74,848)	55,822* (74,795)	54,553* (74,934)	54,085* (74,308)	26,134* (37,160)	-1,249* (1,675)	40,112* (55,393)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-202 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Renewable Generation by Sector and Year, Average per Year Estimates, in Source MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	2010-2034	-	-	43* (65)	43* (65)	43* (65)	43* (65)	43* (65)	43* (65)	43* (65)	-	43* (65)
Commercial	2008-2036	325* (436)	1,115* (1,494)	2,603* (3,488)	3,644* (4,884)	9,336* (12,512)	9,289* (12,450)	9,107* (12,205)	8,730* (11,700)	7,254* (9,721)	-	7,617* (10,208)
Industrial	2008-2044	48,223* (64,629)	48,676* (65,237)	48,676* (65,237)	48,676* (65,237)	48,676* (65,237)	47,950* (65,487)	44,322* (66,935)	44,231* (66,814)	19,757* (34,243)	-4,173* (5,593)	33,090* (50,681)
Public Institutional	2013-2032	-	-	-	-	-	195* (261)	195* (261)	195* (261)	195* (261)	-	195* (261)
Private Institutional	n/a	-	-	-	-	-	-	-	-	-	-	-
Total	2008-2044	48,548* (65,065)	49,791* (66,731)	51,322* (68,725)	52,363* (70,121)	58,055* (77,749)	57,478* (77,872)	53,667* (79,044)	53,199* (78,420)	24,165* (39,997)	-4,173* (5,593)	39,194* (58,620)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-203 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Renewable Generation by Sector and Year, Row Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	-	-	4.0% (0.0%)	4.0% (0.0%)	4.0% (0.0%)	4.0% (0.0%)	28.0% (0.0%)	40.0% (0.0%)	16.0% (0.0%)	-	100.0% (0.0%)
Commercial	0.1% (0.0%)	0.5% (0.0%)	1.2% (0.0%)	1.6% (0.0%)	4.2% (0.0%)	4.2% (0.0%)	28.9% (0.0%)	39.5% (0.0%)	19.7% (0.0%)	-	100.0% (0.0%)
Industrial	3.9% (0.9%)	4.0% (0.9%)	4.0% (0.9%)	4.0% (0.9%)	4.0% (0.9%)	3.9% (0.8%)	25.3% (0.6%)	36.1% (0.9%)	16.1% (3.8%)	-1.4%* (3.2%)	100.0% (0.0%)
Public Institutional	-	-	-	-	-	5.0% (0.0%)	35.0% (0.0%)	50.0% (0.0%)	10.0% (0.0%)	-	100.0% (0.0%)
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	3.3% (0.6%)	3.4% (0.7%)	3.5% (0.7%)	3.6% (0.7%)	4.0% (0.8%)	4.0% (0.7%)	25.9% (0.7%)	36.7% (0.9%)	16.7% (3.1%)	-1.2%* (2.7%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-204 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Renewable Generation by Sector and Year, Column Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	-	-	0.1%* (0.2%)	0.1%* (0.2%)	0.1%* (0.2%)	0.1%* (0.2%)	0.1%* (0.2%)	0.1%* (0.2%)	0.1%* (0.2%)	-	0.1%* (0.2%)
Commercial	0.7% (0.0%)	2.2% (0.0%)	5.1% (0.0%)	7.0% (0.0%)	16.1% (0.0%)	16.2% (0.4%)	17.0% (2.8%)	16.4% (2.8%)	18.0% (6.8%)	-	15.2% (3.0%)
Industrial	99.3% (0.0%)	97.8% (0.0%)	94.8% (0.2%)	93.0% (0.2%)	83.8% (0.1%)	83.4% (1.0%)	82.6% (3.4%)	83.1% (3.4%)	81.8% (7.2%)	100.0% (0.0%)	84.4% (3.4%)
Public Institutional	-	-	-	-	-	0.3%* (0.7%)	0.4%* (0.8%)	0.4%* (0.8%)	0.2%* (0.4%)	-	0.3%* (0.6%)
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-205 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Renewable Generation by Fuel Type and Sector, Total Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated, Units=MWh	316* (479)	64,736* (86,761)	-9,188* (17,117)	1,143* (1,532)	-	57,007* (95,250)
Methane Produced, Units=KTherms	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	-	-	12,896* (17,284)	-	-	12,896* (17,284)
Biodiesel Production, Units=KTherms	-	-	-	-	-	-
Ethanol Production, Units=Site MMBtu	-	-	-	-	-	-
Other,	-	-	-	-	-	-

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Units=Site MMBtu						
Total, Units=Site MMBtu	1,078* (1,635)	220,888* (296,039)	-18,454* (67,809)	3,901* (5,228)	-	207,413* (342,060)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-206 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Renewable Generation by Fuel Type and Sector, Total Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated	1,078* (1,635)	220,879* (296,027)	-125,923* (184,331)	3,901* (5,228)	-	99,934* (394,056)
Methane Produced	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	-	-	1,350,241* (1,809,625)	-	-	1,350,241* (1,809,625)
Biodiesel Production	-	-	-	-	-	-
Ethanol Production	-	-	-	-	-	-
Other	-	-	-	-	-	-
Total	1,078* (1,635)	220,879* (296,027)	1,224,318* (1,875,206)	3,901* (5,228)	-	1,450,175* (2,168,955)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

""*"" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-207 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Renewable Generation by Fuel Type and Sector, Average per Year Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated, Units=MWh	13* (19)	2,232* (2,992)	-255* (475)	57* (77)	-	1,541* (2,574)
Methane Produced, Units=KTherms	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	-	-	461* (617)	-	-	461* (617)
Biodiesel Production, Units=KTherms	-	-	-	-	-	-
Ethanol Production, Units=Site MMBtu	-	-	-	-	-	-
Other,	-	-	-	-	-	-

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Units=Site MMBtu						
Total, Units=Site MMBtu	43* (65)	7,617* (10,208)	-499* (1,833)	195* (261)	-	5,606* (9,245)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-208 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Renewable Generation by Fuel Type and Sector, Average per Year Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated	43* (65)	7,617* (10,208)	-3,498* (5,120)	195* (261)	-	2,701* (10,650)
Methane Produced	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	-	-	48,223* (64,629)	-	-	48,223* (64,629)
Biodiesel Production	-	-	-	-	-	-
Ethanol Production	-	-	-	-	-	-
Other	-	-	-	-	-	-
Total	43* (65)	7,617* (10,208)	33,090* (50,681)	195* (261)	-	39,194* (58,620)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"" indicates estimate exhibits low precision.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-209 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Renewable Generation by Fuel Type and Sector, Row Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated	1.1%* (4.5%)	221.0%* (621.2%)	-126.0%* (640.4%)	3.9%* (16.6%)	-	100.0% (0.0%)
Methane Produced	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	-	-	100.0% (0.0%)	-	-	100.0% (0.0%)
Biodiesel Production	-	-	-	-	-	-
Ethanol Production	-	-	-	-	-	-
Other	-	-	-	-	-	-
Total	0.1%* (0.2%)	15.2% (3.0%)	84.4% (3.4%)	0.3%* (0.6%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-210 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Renewable Generation by Fuel Type and Sector, Column Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated	100.0% (0.0%)	100.0% (0.0%)	-10.3%* (25.8%)	100.0% (0.0%)	-	6.9%* (18.0%)
Methane Produced	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	-	-	110.3% (25.8%)	-	-	93.1% (18.0%)
Biodiesel Production	-	-	-	-	-	-
Ethanol Production	-	-	-	-	-	-
Other	-	-	-	-	-	-
Total	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-211

PY 2008 Period BPAC, Clean Energy Policy Support

SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Year, Total Estimates, in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	95* (128)	4,834* (6,513)	9,118 (8,353)	10,328 (8,823)	13,271 (8,400)	13,305 (8,385)	55,463 (27,558)	38,588 (36,374)	12,921* (17,058)	-	157,925 (98,688)
Natural Gas, Units=KTherms	461* (617)	480* (618)	498 (618)	581 (628)	582 (624)	582 (624)	4,059 (4,367)	5,197 (6,190)	2,303* (3,086)	-	14,743 (17,342)
Oil, Units=KTherms	-	-	-	-	-	-	-	-	-	-	1* (1)
Propane, Units=KTherms	-	-	-	-	-	-	-	-	-	-	-
Kerosene, Units=KTherms	-	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	-	-	-	1* (1)	3* (5)	3* (5)	22* (34)	22* (33)	-	-	51* (78)
Diesel, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Other, Units=Site MMBtu	-	-	37* (56)	34* (51)	39* (60)	39* (60)	276* (418)	205* (311)	-	-	630* (956)
Total,	46,383*	64,469	80,919	93,407	103,566	103,682	595,510	651,620	274,381*	-	2,013,937

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Units=Site MMBtu	(62,164)	(67,152)	(70,763)	(71,634)	(76,659)	(76,546)	(527,848)	(740,511)	(366,842)		(2,037,772)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-212 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Year, Total Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	1,087* (1,456)	55,092* (74,226)	103,913 (95,191)	117,703 (100,546)	151,235 (95,732)	151,622 (95,558)	632,062 (314,058)	439,755 (414,522)	147,254* (194,390)	-	1,799,721 (1,124,658)
Natural Gas	48,223* (64,629)	50,229* (64,701)	52,106 (64,706)	60,859 (65,797)	60,974 (65,351)	60,974 (65,351)	425,007 (457,235)	544,119 (648,066)	241,114* (323,147)	-	1,543,604 (1,815,716)
Oil	-	-	2* (3)	3* (5)	5* (8)	5* (8)	35* (54)	30* (45)	-	-	81* (123)
Propane	-	-	-	-	-	-	1* (2)	1* (2)	-	-	3* (5)
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	-	1* (1)	3* (5)	3* (5)	22* (34)	22* (33)	-	-	51* (78)
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	37* (56)	34* (51)	39* (60)	39* (60)	276* (418)	205* (311)	-	-	630* (956)
Total	49,309* (66,086)	105,320 (101,899)	156,058 (120,674)	178,600 (124,118)	212,256 (132,255)	212,643 (131,938)	1,057,403 (764,418)	984,132 (1,056,319)	388,369* (517,531)	-	3,344,091 (2,858,307)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.



Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-213 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Year, Average per Year Estimates, in Original Site Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	2008-2036	95* (128)	4,834* (6,513)	9,118 (8,353)	10,328 (8,823)	13,271 (8,400)	13,305 (8,385)	7,923 (3,937)	3,859 (3,637)	2,154* (2,843)	-	5,446 (3,403)
Natural Gas, Units=KTherms	2008-2035	461* (617)	480* (618)	498 (618)	581 (628)	582 (624)	582 (624)	580 (624)	520 (619)	461* (617)	-	527 (619)
Oil, Units=KTherms	2010-2027	-	-	-	-	-	-	-	-	-	-	-
Propane, Units=KTherms	2010-2027	-	-	-	-	-	-	-	-	-	-	-
Kerosene, Units=KTherms	2011-2027	-	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	2011-2027	-	-	-	1* (1)	3* (5)	3* (5)	3* (5)	3* (5)	-	-	3* (5)
Diesel, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Other, Units=Site MMBtu	2010-2027	-	-	37* (56)	34* (51)	39* (60)	39* (60)	39* (60)	29* (44)	-	-	35* (53)

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Total, Units=Site MMBtu	2008- 2036	46,383* (62,164)	64,469 (67,152)	80,919 (70,763)	93,407 (71,634)	103,566 (76,659)	103,682 (76,546)	85,073 (75,407)	65,162 (74,051)	45,730* (61,140)	-	69,446 (70,268)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-214 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Year, Average per Year Estimates, in Source MMBtu Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	2008-2036	1,087* (1,456)	55,092* (74,226)	103,913 (95,191)	117,703 (100,546)	151,235 (95,732)	151,622 (95,558)	90,295 (44,865)	43,976 (41,452)	24,542* (32,398)	-	62,059 (38,781)
Natural Gas	2008-2035	48,223* (64,629)	50,229* (64,701)	52,106 (64,706)	60,859 (65,797)	60,974 (65,351)	60,974 (65,351)	60,715 (65,319)	54,412 (64,807)	48,223* (64,629)	-	55,129 (64,847)
Oil	2010-2027	-	-	2* (3)	3* (5)	5* (8)	5* (8)	5* (8)	4* (6)	-	-	4* (7)
Propane	2010-2027	-	-	-	-	-	-	-	-	-	-	-
Kerosene	2011-2027	-	-	-	-	-	-	-	-	-	-	-
Wood	2011-2027	-	-	-	1* (1)	3* (5)	3* (5)	3* (5)	3* (5)	-	-	3* (5)
Diesel	n/a	-	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-	-
Other	2010-2027	-	-	37* (56)	34* (51)	39* (60)	39* (60)	39* (60)	29* (44)	-	-	35* (53)
Total	2008-2036	49,309* (66,086)	105,320 (101,899)	156,058 (120,674)	178,600 (124,118)	212,256 (132,255)	212,643 (131,938)	151,058 (109,203)	98,413 (105,632)	64,728* (86,255)	-	115,313 (98,562)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.



Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-215 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Year, Row Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	0.1% (0.0%)	3.1% (3.7%)	5.8% (4.6%)	6.5% (4.8%)	8.4% (3.8%)	8.4% (3.8%)	35.1% (11.0%)	24.4% (9.9%)	8.2% (6.5%)	-	100.0% (0.0%)
Natural Gas	3.1% (0.6%)	3.3% (0.4%)	3.4% (0.3%)	3.9% (0.7%)	4.0% (0.5%)	4.0% (0.5%)	27.5% (3.4%)	35.2% (0.6%)	15.6% (3.0%)	-	100.0% (0.0%)
Oil	-	-	2.7% (0.0%)	3.9% (0.0%)	6.3% (0.0%)	6.3% (0.0%)	43.8% (0.0%)	37.1% (0.0%)	-	-	100.0% (0.0%)
Propane	-	-	0.3% (0.0%)	3.3% (0.0%)	6.3% (0.0%)	6.3% (0.0%)	43.8% (0.0%)	40.2% (0.0%)	-	-	100.0% (0.0%)
Kerosene	-	-	-	2.1% (0.0%)	6.3% (0.0%)	6.3% (0.0%)	43.8% (0.0%)	41.7% (0.0%)	-	-	100.0% (0.0%)
Wood	-	-	-	1.5% (0.0%)	6.3% (0.0%)	6.3% (0.0%)	43.8% (0.0%)	42.3% (0.0%)	-	-	100.0% (0.0%)
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	5.8% (0.0%)	5.3% (0.0%)	6.3% (0.0%)	6.3% (0.0%)	43.8% (0.0%)	32.6% (0.0%)	-	-	100.0% (0.0%)
Total	1.5% (0.7%)	3.1% (2.0%)	4.7% (2.8%)	5.3% (3.0%)	6.3% (2.8%)	6.4% (2.8%)	31.6% (7.2%)	29.4% (7.2%)	11.6% (5.8%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-216 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Year, Column Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	2.2% (0.0%)	52.3% (44.8%)	66.6% (32.5%)	65.9% (29.8%)	71.3% (21.6%)	71.3% (21.6%)	59.8% (14.7%)	44.7% (8.4%)	37.9% (0.6%)	-	53.8% (17.1%)
Natural Gas	97.8% (0.0%)	47.7% (44.8%)	33.4% (32.5%)	34.1% (29.8%)	28.7% (21.6%)	28.7% (21.6%)	40.2% (14.7%)	55.3% (8.5%)	62.1% (0.6%)	-	46.2% (17.1%)
Oil	-	-	-	-	-	-	-	-	-	-	-
Propane	-	-	-	-	-	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	-	-	-	-	-	-	-	-	-
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
Total	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-217 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and Year, Total Estimates, in Site MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	-	13,065* (19,819)	18,882* (26,929)	21,780* (27,851)	24,968 (26,365)	24,968 (26,365)	47,931 (52,756)	17,777* (23,195)	172* (262)	-	169,544 (135,339)
Commercial	325* (436)	2,748 (2,893)	6,021 (5,346)	8,986 (6,695)	18,007 (14,312)	17,960 (14,257)	124,443 (98,307)	112,282 (118,533)	43,523* (58,331)	-	334,295 (308,504)
Industrial	46,058* (61,728)	46,512* (62,336)	46,512* (62,336)	46,512* (62,336)	46,512* (62,336)	46,512* (62,336)	325,581* (436,351)	464,209* (622,143)	230,291* (308,641)	-	1,298,696* (1,740,543)
Public Institutional	-	2,145* (3,253)	9,504* (14,273)	16,129* (24,322)	14,080* (21,264)	14,242* (21,265)	97,555* (145,622)	57,352* (84,066)	394* (523)	-	211,402* (314,059)
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	46,383* (62,164)	64,469 (67,152)	80,919 (70,763)	93,407 (71,634)	103,566 (76,659)	103,682 (76,546)	595,510 (527,848)	651,620 (740,511)	274,381* (366,842)	-	2,013,937 (2,037,772)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

Table K-218 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and Year, Total Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	-	43,636* (66,192)	61,097* (91,161)	68,451* (95,607)	75,567 (91,423)	75,567 (91,423)	105,325 (98,689)	24,406 (26,388)	576* (874)	-	454,626 (445,803)
Commercial	1,087* (1,456)	9,177 (9,662)	18,646 (18,560)	26,863 (22,734)	54,461 (45,367)	54,306 (45,176)	375,871 (310,970)	349,756 (394,964)	145,361* (194,817)	-	1,035,528 (1,016,417)
Industrial	48,223* (64,629)	49,737* (66,659)	49,737* (66,659)	49,737* (66,659)	49,737* (66,659)	49,737* (66,659)	348,160* (466,612)	494,342* (662,530)	241,114* (323,147)	-	1,380,525* (1,850,212)
Public Institutional	-	2,770* (4,202)	26,578* (39,837)	33,548* (50,409)	32,491* (48,971)	33,033* (48,977)	228,048* (338,058)	115,627* (165,697)	1,317* (1,746)	-	473,411* (696,086)
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	49,309* (66,086)	105,320 (101,899)	156,058 (120,674)	178,600 (124,118)	212,256 (132,255)	212,643 (131,938)	1,057,403 (764,418)	984,132 (1,056,319)	388,369* (517,531)	-	3,344,091 (2,858,307)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"**" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-219 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and Year, Average per Year Estimates, in Site MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	2009-2034	-	13,065* (19,819)	18,882* (26,929)	21,780* (27,851)	24,968 (26,365)	24,968 (26,365)	6,847 (7,537)	1,778* (2,320)	43* (65)	-	6,521 (5,205)
Commercial	2008-2036	325* (436)	2,748 (2,893)	6,021 (5,346)	8,986 (6,695)	18,007 (14,312)	17,960 (14,257)	17,778 (14,044)	11,228 (11,853)	7,254* (9,722)	-	11,527 (10,638)
Industrial	2008-2035	46,058* (61,728)	46,512* (62,336)	46,512* (62,336)	46,512* (62,336)	46,512* (62,336)	46,512* (62,336)	46,512* (62,336)	46,421* (62,214)	46,058* (61,728)	-	46,382* (62,162)
Public Institutional	2009-2032	-	2,145* (3,253)	9,504* (14,273)	16,129* (24,322)	14,080* (21,264)	14,242* (21,265)	13,936* (20,803)	5,735* (8,407)	197* (261)	-	8,808* (13,086)
Private Institutional	n/a	-	-	-	-	-	-	-	-	-	-	-
Total	2008-2036	46,383* (62,164)	64,469 (67,152)	80,919 (70,763)	93,407 (71,634)	103,566 (76,659)	103,682 (76,546)	85,073 (75,407)	65,162 (74,051)	45,730* (61,140)	-	69,446 (70,268)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-220 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and Year, Average per Year Estimates, in Source MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	2009-2034	-	43,636* (66,192)	61,097* (91,161)	68,451* (95,607)	75,567 (91,423)	75,567 (91,423)	15,046 (14,098)	2,441 (2,639)	144* (218)	-	17,486 (17,146)
Commercial	2008-2036	1,087* (1,456)	9,177 (9,662)	18,646 (18,560)	26,863 (22,734)	54,461 (45,367)	54,306 (45,176)	53,696 (44,424)	34,976 (39,496)	24,227* (32,469)	-	35,708 (35,049)
Industrial	2008-2035	48,223* (64,629)	49,737* (66,659)	49,737* (66,659)	49,737* (66,659)	49,737* (66,659)	49,737* (66,659)	49,737* (66,659)	49,434* (66,253)	48,223* (64,629)	-	49,304* (66,079)
Public Institutional	2009-2032	-	2,770* (4,202)	26,578* (39,837)	33,548* (50,409)	32,491* (48,971)	33,033* (48,977)	32,578* (48,294)	11,563* (16,570)	658* (873)	-	19,725* (29,004)
Private Institutional	n/a	-	-	-	-	-	-	-	-	-	-	-
Total	2008-2036	49,309* (66,086)	105,320 (101,899)	156,058 (120,674)	178,600 (124,118)	212,256 (132,255)	212,643 (131,938)	151,058 (109,203)	98,413 (105,632)	64,728* (86,255)	-	115,313 (98,562)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-221 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and Year, Row Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	-	9.6% (6.6%)	13.4% (8.9%)	15.1% (8.3%)	16.6% (5.3%)	16.6% (5.3%)	23.2% (27.1%)	5.4%* (7.5%)	0.1% (0.1%)	-	100.0% (0.0%)
Commercial	0.1% (0.0%)	0.9% (0.8%)	1.8% (1.3%)	2.6% (1.4%)	5.3% (1.2%)	5.2% (1.2%)	36.3% (8.5%)	33.8% (6.4%)	14.0% (6.3%)	-	100.0% (0.0%)
Industrial	3.5% (0.0%)	3.6% (0.0%)	3.6% (0.0%)	3.6% (0.0%)	3.6% (0.0%)	3.6% (0.0%)	25.2% (0.0%)	35.8% (0.0%)	17.5% (0.0%)	-	100.0% (0.0%)
Public Institutional	-	0.6% (0.0%)	5.6% (0.3%)	7.1% (0.4%)	6.9% (0.4%)	7.0% (0.1%)	48.2% (0.8%)	24.4% (1.4%)	0.3%* (0.5%)	-	100.0% (0.0%)
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	1.5% (0.7%)	3.1% (2.0%)	4.7% (2.8%)	5.3% (3.0%)	6.3% (2.8%)	6.4% (2.8%)	31.6% (7.2%)	29.4% (7.2%)	11.6% (5.8%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-222 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and Year, Column Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	-	41.4% (44.5%)	39.2% (42.7%)	38.3% (40.6%)	35.6% (36.2%)	35.5% (36.1%)	10.0% (12.3%)	2.5%* (3.9%)	0.1%* (0.3%)	-	13.6%* (17.3%)
Commercial	2.2% (0.0%)	8.7% (2.2%)	11.9% (4.1%)	15.0% (5.8%)	25.7% (12.0%)	25.5% (12.0%)	35.5% (16.4%)	35.5% (8.9%)	37.4% (0.3%)	-	31.0% (8.7%)
Industrial	97.8% (0.0%)	47.2% (45.0%)	31.9% (32.7%)	27.8% (28.3%)	23.4% (21.2%)	23.4% (21.2%)	32.9% (21.3%)	50.2% (14.7%)	62.1% (0.6%)	-	41.3% (20.9%)
Public Institutional	-	2.6%* (5.4%)	17.0%* (30.1%)	18.8%* (32.3%)	15.3%* (26.7%)	15.5%* (26.7%)	21.6%* (33.1%)	11.7%* (20.2%)	0.3%* (0.7%)	-	14.2%* (23.7%)
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-223 PY 2008 Period BPAC, Clean Energy Policy Support
 SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Total Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity, Units=MWh	35,425 (40,628)	87,623 (89,059)	2,657* (3,562)	32,220* (46,946)	-	157,925 (98,688)
Natural Gas, Units=KTherms	479* (725)	353* (535)	12,896* (17,284)	1,015* (1,539)	-	14,743 (17,342)
Oil, Units=KTherms	1* (1)	-	-	-	-	1* (1)
Propane, Units=KTherms	-	-	-	-	-	-
Kerosene, Units=KTherms	-	-	-	-	-	-
Wood, Units=Site MMBtu	51* (78)	-	-	-	-	51* (78)
Diesel, Units=Site MMBtu	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	-	-	-	-	-	-
Other, Units=Site MMBtu	630* (956)	-	-	-	-	630* (956)

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Total, Units=Site MMBtu	169,544 (135,339)	334,295 (308,504)	1,298,696* (1,740,543)	211,402* (314,059)	-	2,013,937 (2,037,772)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-224 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Total Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	403,705 (463,004)	998,553 (1,014,926)	30,284* (40,587)	367,179* (535,004)	-	1,799,721 (1,124,658)
Natural Gas	50,156* (75,955)	36,975* (56,002)	1,350,241* (1,809,625)	106,233* (161,145)	-	1,543,604 (1,815,716)
Oil	81* (123)	-	-	-	-	81* (123)
Propane	3* (5)	-	-	-	-	3* (5)
Kerosene	-	-	-	-	-	-
Wood	51* (78)	-	-	-	-	51* (78)
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-
Other	630* (956)	-	-	-	-	630* (956)
Total	454,626 (445,803)	1,035,528 (1,016,417)	1,380,525* (1,850,212)	473,411* (696,086)	-	3,344,091 (2,858,307)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-225 PY 2008 Period BPAC, Clean Energy Policy Support
 SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Average per Year Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity, Units=MWh	1,362 (1,563)	3,021 (3,071)	133* (178)	1,342* (1,956)	-	5,446 (3,403)
Natural Gas, Units=KTherms	27* (40)	22* (33)	461* (617)	48* (73)	-	527 (619)
Oil, Units=KTherms	-	-	-	-	-	-
Propane, Units=KTherms	-	-	-	-	-	-
Kerosene, Units=KTherms	-	-	-	-	-	-
Wood, Units=Site MMBtu	3* (5)	-	-	-	-	3* (5)
Diesel, Units=Site MMBtu	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	-	-	-	-	-	-
Other, Units=Site MMBtu	35* (53)	-	-	-	-	35* (53)

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Total, Units=Site MMBtu	6,521 (5,205)	11,527 (10,638)	46,382* (62,162)	8,808* (13,086)	-	69,446 (70,268)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-226 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Average per Year Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	15,527 (17,808)	34,433 (34,997)	1,514* (2,029)	15,299* (22,292)	-	62,059 (38,781)
Natural Gas	2,786* (4,220)	2,311* (3,500)	48,223* (64,629)	5,059* (7,674)	-	55,129 (64,847)
Oil	4* (7)	-	-	-	-	4* (7)
Propane	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-
Wood	3* (5)	-	-	-	-	3* (5)
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-
Other	35* (53)	-	-	-	-	35* (53)
Total	17,486 (17,146)	35,708 (35,049)	49,304* (66,079)	19,725* (29,004)	-	115,313 (98,562)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period. Estimates that round to zero during the impact period will not be displayed due to suppression.



Table K-227 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Row Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	22.4% (25.5%)	55.5% (27.4%)	1.7% (1.4%)	20.4%* (32.1%)	-	100.0% (0.0%)
Natural Gas	3.2%* (6.1%)	2.4%* (4.5%)	87.5% (16.9%)	6.9%* (12.9%)	-	100.0% (0.0%)
Oil	100.0% (0.0%)	-	-	-	-	100.0% (0.0%)
Propane	100.0% (0.0%)	-	-	-	-	100.0% (0.0%)
Kerosene	100.0% (0.0%)	-	-	-	-	100.0% (0.0%)
Wood	100.0% (0.0%)	-	-	-	-	100.0% (0.0%)
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-
Other	100.0% (0.0%)	-	-	-	-	100.0% (0.0%)
Total	13.6%* (17.3%)	31.0% (8.7%)	41.3% (20.9%)	14.2%* (23.7%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-228 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Column Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	88.8% (21.2%)	96.4% (6.3%)	2.2% (0.0%)	77.6% (1.3%)	-	53.8% (17.1%)
Natural Gas	11.0%* (21.3%)	3.6%* (6.3%)	97.8% (0.0%)	22.4% (1.3%)	-	46.2% (17.1%)
Oil	-	-	-	-	-	-
Propane	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-
Wood	-	-	-	-	-	-
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-
Other	0.1% (0.1%)	-	-	-	-	-
Total	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-229 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Bill Savings by Fuel Type and Year, Total Estimates, in Thousand 2009 Dollars

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	\$10*	\$636*	\$1,206	\$1,433	\$1,795	\$1,792	\$6,715	\$4,310	\$1,432*	-	\$19,330
Natural Gas	\$541*	\$379*	\$406	\$553	\$522	\$528	\$3,853	\$5,255	\$2,489*	-	\$14,527
Oil	-	-	-	-	-	-	\$1*	\$1*	-	-	\$2*
Propane	-	-	-	-	-	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	-	-	-	-	-	-	-	-	\$1*
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	\$1*	\$1*	\$4*	\$3*	-	-	\$9*
Total	\$551*	\$1,016	\$1,613	\$1,986	\$2,317	\$2,321	\$10,573	\$9,570	\$3,921*	-	\$33,868

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-230 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Bill Savings by Fuel Type and Year, Row Percent Estimates, in Thousand 2009 Dollars

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	0.1%	3.3%	6.2%	7.4%	9.3%	9.3%	34.7%	22.3%	7.4%	-	100.0%
Natural Gas	3.7%	2.6%	2.8%	3.8%	3.6%	3.6%	26.5%	36.2%	17.1%	-	100.0%
Oil	-	-	2.6%	3.8%	6.1%	6.1%	42.8%	38.6%	-	-	100.0%
Propane	-	-	0.3%	3.4%	6.4%	6.4%	43.2%	40.3%	-	-	100.0%
Kerosene	-	-	-	1.7%	5.4%	5.3%	42.2%	45.3%	-	-	100.0%
Wood	-	-	-	1.1%	5.3%	5.5%	43.2%	44.9%	-	-	100.0%
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	5.3%	4.9%	5.7%	5.7%	42.0%	36.3%	-	-	100.0%
Total	1.6%	3.0%	4.8%	5.9%	6.8%	6.9%	31.2%	28.3%	11.6%	-	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-231 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Bill Savings by Fuel Type and Year, Column Percent Estimates, in Thousand 2009 Dollars

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	1.9%	62.7%	74.8%	72.1%	77.5%	77.2%	63.5%	45.0%	36.5%	-	57.1%
Natural Gas	98.1%	37.3%	25.2%	27.8%	22.5%	22.8%	36.4%	54.9%	63.5%	-	42.9%
Oil	-	-	-	-	-	-	-	-	-	-	-
Propane	-	-	-	-	-	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	-	-	-	-	-	-	-	-	-
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	-	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-232

PY 2008 Period BPAC, Clean Energy Policy Support

SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Fuel Type and Year, SEP-Attributable Energy in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	\$108.05*	\$131.64*	\$132.26	\$138.74	\$135.26	\$134.71	\$121.07	\$111.70	\$110.80*	-	\$122.40
Natural Gas, Units=KTherms	\$1,174.75*	\$790.40*	\$816.80	\$950.97	\$896.10	\$906.79	\$949.23	\$1,011.26	\$1,080.77*	-	\$985.34
Oil, Units=KTherms	-	-	\$1,938.39*	\$1,942.48*	\$1,946.57*	\$1,950.67*	\$1,967.19*	\$2,091.35*	-	-	\$2,009.13*
Propane, Units=KTherms	-	-	\$2,585.47*	\$2,564.58*	\$2,543.85*	\$2,523.29*	\$2,443.04*	\$2,480.43*	-	-	\$2,473.76*
Kerosene, Units=KTherms	-	-	-	\$2,581.68*	\$2,696.19*	\$2,658.63*	\$2,998.70*	\$3,385.39*	-	-	\$3,110.89*
Wood, Units=Site MMBtu	-	-	-	\$10.94*	\$11.96*	\$12.48*	\$14.02*	\$15.10*	-	-	\$14.20*
Diesel, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Other, Units=Site MMBtu	-	-	\$13.39*	\$13.36*	\$13.33*	\$13.29*	\$14.05*	\$16.31*	-	-	\$14.62*
Total, Units=Site	\$11.89*	\$15.75	\$19.93	\$21.26	\$22.38	\$22.39	\$17.75	\$14.69	\$14.29*	-	\$16.82

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
MMBtu											

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-233

PY 2008 Period BPAC, Clean Energy Policy Support

SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Fuel Type and Year, SEP-Attributable Energy in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	\$9.48*	\$11.55*	\$11.61	\$12.17	\$11.87	\$11.82	\$10.62	\$9.80	\$9.72*	-	\$10.74
Natural Gas	\$11.22*	\$7.55*	\$7.80	\$9.08	\$8.56	\$8.66	\$9.07	\$9.66	\$10.32*	-	\$9.41
Oil	-	-	\$19.19*	\$19.23*	\$19.27*	\$19.31*	\$19.48*	\$20.71*	-	-	\$19.89*
Propane	-	-	\$25.60*	\$25.39*	\$25.19*	\$24.98*	\$24.19*	\$24.56*	-	-	\$24.49*
Kerosene	-	-	-	\$25.56*	\$26.69*	\$26.32*	\$29.69*	\$33.52*	-	-	\$30.80*
Wood	-	-	-	\$10.94*	\$11.96*	\$12.48*	\$14.02*	\$15.10*	-	-	\$14.20*
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	\$13.39*	\$13.36*	\$13.33*	\$13.29*	\$14.05*	\$16.31*	-	-	\$14.62*
Total	\$11.18*	\$9.64	\$10.34	\$11.12	\$10.92	\$10.92	\$10.00	\$9.72	\$10.10*	-	\$10.13

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-234 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Bill Savings by Sector and Year, Total Estimates, in Thousand 2009 Dollars

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	-	\$530*	\$787*	\$921*	\$1,014	\$1,013	\$1,438	\$385	\$8*	-	\$6,096
Commercial	\$10*	\$89	\$191	\$291	\$577	\$573	\$3,904	\$3,438	\$1,411*	-	\$10,486
Industrial	\$541*	\$364*	\$367*	\$393*	\$360*	\$364*	\$2,689*	\$4,406*	\$2,489*	-	\$11,974*
Public Institutional	-	\$32*	\$268*	\$381*	\$366*	\$371*	\$2,542*	\$1,340*	\$12*	-	\$5,312*
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	\$551*	\$1,016	\$1,613	\$1,986	\$2,317	\$2,321	\$10,573	\$9,570	\$3,921*	-	\$33,868

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

""*"" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-235 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Bill Savings by Sector and Year, Row Percent Estimates, in Thousand 2009 Dollars

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	-	8.7%	12.9%	15.1%	16.6%	16.6%	23.6%	6.3%*	0.1%	-	100.0%
Commercial	0.1%	0.9%	1.8%	2.8%	5.5%	5.5%	37.2%	32.8%	13.5%	-	100.0%
Industrial	4.5%	3.0%	3.1%	3.3%	3.0%	3.0%	22.5%	36.8%	20.8%	-	100.0%
Public Institutional	-	0.6%	5.0%	7.2%	6.9%	7.0%	47.8%	25.2%	0.2%*	-	100.0%
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	1.6%	3.0%	4.8%	5.9%	6.8%	6.9%	31.2%	28.3%	11.6%	-	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-236 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Bill Savings by Sector and Year, Column Percent Estimates, in Thousand 2009 Dollars

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	-	52.2%	48.8%	46.4%	43.8%	43.6%	13.6%	4.0%*	0.2%*	-	18.0%*
Commercial	1.9%	8.8%	11.8%	14.6%	24.9%	24.7%	36.9%	35.9%	36.0%	-	31.0%
Industrial	98.1%	35.9%	22.7%	19.8%	15.5%	15.7%	25.4%	46.0%	63.5%	-	35.4%
Public Institutional	-	3.1%*	16.6%*	19.2%*	15.8%*	16.0%*	24.0%*	14.0%*	0.3%*	-	15.7%*
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	-	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-237

PY 2008 Period BPAC, Clean Energy Policy Support

SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Sector and Year, SEP-Attributable Energy in Site MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	-	\$40.57*	\$41.71*	\$42.27*	\$40.62	\$40.57	\$30.00	\$21.68*	\$45.75*	-	\$35.96
Commercial	\$31.67*	\$32.54	\$31.69	\$32.37	\$32.05	\$31.92	\$31.37	\$30.62	\$32.43*	-	\$31.37
Industrial	\$11.75*	\$7.83*	\$7.89*	\$8.46*	\$7.73*	\$7.83*	\$8.26*	\$9.49*	\$10.81*	-	\$9.22*
Public Institutional	-	\$14.86*	\$28.18*	\$23.64*	\$26.03*	\$26.02*	\$26.05*	\$23.37*	\$31.51*	-	\$25.13*
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	\$11.89*	\$15.75	\$19.93	\$21.26	\$22.38	\$22.39	\$17.75	\$14.69	\$14.29*	-	\$16.82

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-238

PY 2008 Period BPAC, Clean Energy Policy Support

SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Sector and Year, SEP-Attributable Energy in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	-	\$12.15*	\$12.89*	\$13.45*	\$13.42	\$13.40	\$13.65	\$15.79	\$13.70*	-	\$13.41
Commercial	\$9.48*	\$9.74	\$10.23	\$10.83	\$10.60	\$10.56	\$10.39	\$9.83	\$9.71*	-	\$10.13
Industrial	\$11.22*	\$7.32*	\$7.38*	\$7.91*	\$7.23*	\$7.33*	\$7.72*	\$8.91*	\$10.32*	-	\$8.67*
Public Institutional	-	\$11.51*	\$10.08*	\$11.37*	\$11.28*	\$11.22*	\$11.14*	\$11.59*	\$9.44*	-	\$11.22*
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	\$11.18*	\$9.64	\$10.34	\$11.12	\$10.92	\$10.92	\$10.00	\$9.72	\$10.10*	-	\$10.13

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*)" indicates estimate exhibits low precision.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-239 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Bill Savings by Fuel Type and Sector, Total Estimates, in Thousand 2009 Dollars

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	\$5,259	\$9,975	\$219*	\$3,877*	-	\$19,330
Natural Gas	\$825*	\$511*	\$11,755*	\$1,436*	-	\$14,527
Oil	\$2*	-	-	-	-	\$2*
Propane	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-
Wood	\$1*	-	-	-	-	\$1*
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-
Other	\$9*	-	-	-	-	\$9*
Total	\$6,096	\$10,486	\$11,974*	\$5,312*	-	\$33,868

Note:
Standard errors estimates are not reported.
"-" indicates estimate rounds to zero and is considered imprecise.
"*" indicates estimate exhibits low precision.
Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-240 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Bill Savings by Fuel Type and Sector, Row Percent Estimates, in Thousand 2009 Dollars

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	27.2%	51.6%	1.1%	20.1%*	-	100.0%
Natural Gas	5.7%*	3.5%*	80.9%	9.9%*	-	100.0%
Oil	100.0%	-	-	-	-	100.0%
Propane	100.0%	-	-	-	-	100.0%
Kerosene	100.0%	-	-	-	-	100.0%
Wood	100.0%	-	-	-	-	100.0%
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-
Other	100.0%	-	-	-	-	100.0%
Total	18.0%*	31.0%	35.4%	15.7%*	-	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-241 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Bill Savings by Fuel Type and Sector, Column Percent Estimates, in Thousand 2009 Dollars

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	86.3%	95.1%	1.8%	73.0%	-	57.1%
Natural Gas	13.5%*	4.9%*	98.2%	27.0%	-	42.9%
Oil	-	-	-	-	-	-
Propane	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-
Wood	-	-	-	-	-	-
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-
Other	0.2%	-	-	-	-	-
Total	100.0%	100.0%	100.0%	100.0%	-	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-242 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Fuel Type and Sector, SEP-Attributable Energy in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity, Units=MWh	\$148.46	\$113.84	\$82.40*	\$120.31*	-	\$122.40
Natural Gas, Units=KTherms	\$1,722.65*	\$1,447.50*	\$911.48*	\$1,415.24*	-	\$985.34
Oil, Units=KTherms	\$2,009.13*	-	-	-	-	\$2,009.13*
Propane, Units=KTherms	\$2,473.76*	-	-	-	-	\$2,473.76*
Kerosene, Units=KTherms	\$3,110.89*	-	-	-	-	\$3,110.89*
Wood, Units=Site MMBtu	\$14.20*	-	-	-	-	\$14.20*
Diesel, Units=Site MMBtu	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	-	-	-	-	-	-
Other, Units=Site MMBtu	\$14.62*	-	-	-	-	\$14.62*
Total,	\$35.96	\$31.37	\$9.22*	\$25.13*	-	\$16.82

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Units=Site MMBtu						

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-243 PY 2008 Period BPAC, Clean Energy Policy Support
SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Fuel Type and Sector, SEP-Attributable Energy in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	\$13.03	\$9.99	\$7.23 [*]	\$10.56 [*]	-	\$10.74
Natural Gas	\$16.45 [*]	\$13.83 [*]	\$8.71 [*]	\$13.52 [*]	-	\$9.41
Oil	\$19.89 [*]	-	-	-	-	\$19.89 [*]
Propane	\$24.49 [*]	-	-	-	-	\$24.49 [*]
Kerosene	\$30.80 [*]	-	-	-	-	\$30.80 [*]
Wood	\$14.20 [*]	-	-	-	-	\$14.20 [*]
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-
Other	\$14.62 [*]	-	-	-	-	\$14.62 [*]
Total	\$13.41	\$10.13	\$8.67 [*]	\$11.22 [*]	-	\$10.13

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-244 PY 2008 Period BPAC, Loans, Grants, and Incentives
Overall Energy Savings by Fuel Type and Year, Total Estimates, in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	3,544* (4,741)	3,560* (4,741)	3,914* (5,258)	4,207* (5,681)	4,636* (6,300)	3,920* (5,261)	39,757* (54,742)	72,140* (102,332)	35,813* (51,501)	2,285* (3,288)	173,777* (243,845)
Natural Gas, Units=KTher ms	125 (146)	140 (146)	151 (162)	162 (179)	177 (199)	148 (155)	1,473 (1,664)	2,998 (3,687)	1,771* (2,303)	383* (509)	7,528 (9,150)
Oil, Units=KTher ms	-	-	-	-	-	-	-	-	-	-	-
Propane, Units=KTher ms	-	-	-	-	-	-	-	-	-	-	-
Kerosene, Units=KTher ms	-	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Diesel, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	3,572 (4,222)	3,572 (4,222)	3,572 (4,222)	3,572 (4,222)	2,845 (3,363)	2,551 (3,015)	7,641 (9,032)	-	-	-	27,324 (32,296)
Other, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Total, Units=Site	28,159 (31,051)	29,715 (31,051)	32,069 (34,379)	34,166 (37,562)	36,344 (41,532)	30,727 (33,615)	290,594 (353,332)	545,921* (717,830)	299,292* (406,001)	46,093* (62,112)	1,373,079* (1,747,300)

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
MMBtu											)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-245 PY 2008 Period BPAC, Loans, Grants, and Incentives
Overall Energy Savings by Fuel Type and Year, Total Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	40,389* (54,030)	40,573* (54,030)	44,601* (59,925)	47,940* (64,736)	52,836* (71,799)	44,673* (59,956)	453,074* (623,841)	822,115* (1,166,179)	408,130* (586,913)	26,045* (37,473)	1,980,375* (2,778,881)
Natural Gas	13,081 (15,270)	14,653 (15,270)	15,855 (16,936)	17,003 (18,784)	18,510 (20,834)	15,496 (16,258)	154,219 (174,252)	313,858 (385,987)	185,416* (241,094)	40,095* (53,285)	788,185 (957,971)
Oil	-	-	-	-	-	-	-	-	-	-	-
Propane	-	-	-	-	-	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	-	-	-	-	-	-	-	-	-
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	3,607 (4,264)	3,607 (4,264)	3,607 (4,264)	3,607 (4,264)	2,874 (3,397)	2,577 (3,045)	7,718 (9,122)	-	-	-	27,597 (32,619)
Other	-	-	-	-	-	-	-	-	-	-	-
Total	57,078 (69,431)	58,833 (69,431)	64,063 (76,979)	68,551 (83,629)	74,220 (92,695)	62,746 (76,275)	615,011* (798,146)	1,135,972* (1,552,166)	593,546* (828,007)	66,139* (90,757)	2,796,158* (3,736,994)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-246 PY 2008 Period BPAC, Loans, Grants, and Incentives
Overall Energy Savings by Fuel Type and Year, Average per Year Estimates, in Original Site Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	2008-2050	3,544* (4,741)	3,560* (4,741)	3,914* (5,258)	4,207* (5,681)	4,636* (6,300)	3,920* (5,261)	5,680* (7,820)	7,214* (10,233)	3,581* (5,150)	229* (329)	4,041* (5,671)
Natural Gas, Units=KTherms	2008-2050	125 (146)	140 (146)	151 (162)	162 (179)	177 (199)	148 (155)	210 (238)	300 (369)	177* (230)	38* (51)	175 (213)
Oil, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Propane, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Kerosene, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Diesel, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	2008-2017	3,572 (4,222)	3,572 (4,222)	3,572 (4,222)	3,572 (4,222)	2,845 (3,363)	2,551 (3,015)	1,910 (2,258)	-	-	-	2,732 (3,230)
Other, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Total,	2008-	28,159	29,715	32,069	34,166	36,344	30,727	41,513	54,592*	29,929*	4,609*	31,932*

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Units=Site MMBtu	2050	(31,051)	(31,051)	(34,379)	(37,562)	(41,532)	(33,615)	(50,476)	(71,783)	(40,600)	(6,211)	(40,635)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-247 PY 2008 Period BPAC, Loans, Grants, and Incentives
Overall Energy Savings by Fuel Type and Year, Average per Year Estimates, in Source MMBtu Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	2008-2050	40,389* (54,030)	40,573* (54,030)	44,601* (59,925)	47,940* (64,736)	52,836* (71,799)	44,673* (59,956)	64,725* (89,120)	82,211* (116,618)	40,813* (58,691)	2,604* (3,747)	46,055* (64,625)
Natural Gas	2008-2050	13,081 (15,270)	14,653 (15,270)	15,855 (16,936)	17,003 (18,784)	18,510 (20,834)	15,496 (16,258)	22,031 (24,893)	31,386 (38,599)	18,542* (24,109)	4,009* (5,328)	18,330 (22,278)
Oil	n/a	-	-	-	-	-	-	-	-	-	-	-
Propane	n/a	-	-	-	-	-	-	-	-	-	-	-
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-	-
Gasoline	2008-2017	3,607 (4,264)	3,607 (4,264)	3,607 (4,264)	3,607 (4,264)	2,874 (3,397)	2,577 (3,045)	1,929 (2,280)	-	-	-	2,760 (3,262)
Other	n/a	-	-	-	-	-	-	-	-	-	-	-
Total	2008-2050	57,078 (69,431)	58,833 (69,431)	64,063 (76,979)	68,551 (83,629)	74,220 (92,695)	62,746 (76,275)	87,859* (114,021)	113,597* (155,217)	59,355* (82,801)	6,614* (9,076)	65,027* (86,907)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.



Table K-248 PY 2008 Period BPAC, Loans, Grants, and Incentives
Overall Energy Savings by Fuel Type and Year, Row Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	2.0% (0.1%)	2.0% (0.1%)	2.3% (0.1%)	2.4% (0.1%)	2.7% (0.1%)	2.3% (0.1%)	22.9% (0.6%)	41.5% (0.6%)	20.6% (0.7%)	1.3% (0.0%)	100.0% (0.0%)
Natural Gas	1.7% (0.1%)	1.9% (0.3%)	2.0% (0.3%)	2.2% (0.2%)	2.3% (0.2%)	2.0% (0.3%)	19.6% (1.7%)	39.8% (0.6%)	23.5% (2.0%)	5.1% (0.6%)	100.0% (0.0%)
Oil	-	-	-	-	-	-	-	-	-	-	-
Propane	-	-	-	-	-	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	-	-	-	-	-	-	-	-	-
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	13.1% (0.0%)	13.1% (0.0%)	13.1% (0.0%)	13.1% (0.0%)	10.4% (0.0%)	9.3% (0.0%)	28.0% (0.0%)	-	-	-	100.0% (0.0%)
Other	-	-	-	-	-	-	-	-	-	-	-
Total	2.0% (0.3%)	2.1% (0.4%)	2.3% (0.3%)	2.5% (0.3%)	2.7% (0.3%)	2.2% (0.3%)	22.0% (0.9%)	40.6% (1.3%)	21.2% (1.3%)	2.4% (0.1%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-249 PY 2008 Period BPAC, Loans, Grants, and Incentives
Overall Energy Savings by Fuel Type and Year, Column Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	70.8% (10.2%)	69.0% (11.7%)	69.6% (11.0%)	69.9% (10.2%)	71.2% (8.5%)	71.2% (9.7%)	73.7% (5.9%)	72.4% (3.8%)	68.8% (3.0%)	39.4% (2.6%)	70.8% (4.8%)
Natural Gas	22.9% (2.0%)	24.9% (3.8%)	24.7% (3.6%)	24.8% (3.2%)	24.9% (3.3%)	24.7% (4.3%)	25.1% (4.2%)	27.6% (3.8%)	31.2% (3.0%)	60.6% (2.6%)	28.2% (3.4%)
Oil	-	-	-	-	-	-	-	-	-	-	-
Propane	-	-	-	-	-	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	-	-	-	-	-	-	-	-	-
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	6.3%* (10.4%)	6.1%* (9.9%)	5.6%* (9.2%)	5.3%* (8.7%)	3.9%* (6.5%)	4.1%* (6.8%)	1.3%* (2.2%)	-	-	-	1.0%* (1.8%)
Other	-	-	-	-	-	-	-	-	-	-	-
Total	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-250 PY 2008 Period BPAC, Loans, Grants, and Incentives
Overall Renewable Generation by Fuel Type and Year, Total Estimates, in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated, Units=MWh	-	-	-	-	-	-	-	-	-	-	-
Methane Produced, Units=KTherms	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	-	-	-	-	-	-	-	-	-	-	-
Biodiesel Production, Units=KTherms	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Other, Units=Site	-	-	-	-	-	-	-	-	-	-	-

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
MMBtu											
Total, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

KTherms = 1,000 Therms.

Table K-251 PY 2008 Period BPAC, Loans, Grants, and Incentives
Overall Renewable Generation by Fuel Type and Year, Total Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	-	-	-	-	-	-	-	-	-	-	-
Methane Produced	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	-	-	-	-	-	-	-	-	-	-	-
Biodiesel Production	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

Table K-252

PY 2008 Period BPAC, Loans, Grants, and Incentives

Overall Renewable Generation by Fuel Type and Year, Average per Year Estimates, in Original Site Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated, Units=MWh	n/a	-	-	-	-	-	-	-	-	-	-	-
Methane Produced, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Biodiesel Production, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Other,	n/a	-	-	-	-	-	-	-	-	-	-	-

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Units=Site MMBtu												
Total, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

KTherms = 1,000 Therms.

Table K-253 PY 2008 Period BPAC, Loans, Grants, and Incentives
Overall Renewable Generation by Fuel Type and Year, Average per Year Estimates, in Source MMBtu Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	n/a	-	-	-	-	-	-	-	-	-	-	-
Methane Produced	n/a	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	-	-	-	-	-	-	-	-	-	-
Biodiesel Production	n/a	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production	n/a	-	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

Table K-254 PY 2008 Period BPAC, Loans, Grants, and Incentives
Overall Renewable Generation by Fuel Type and Year, Row Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	-	-	-	-	-	-	-	-	-	-	-
Methane Produced	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	-	-	-	-	-	-	-	-	-	-	-
Biodiesel Production	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

Table K-255 PY 2008 Period BPAC, Loans, Grants, and Incentives
Overall Renewable Generation by Fuel Type and Year, Column Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	-	-	-	-	-	-	-	-	-	-	-
Methane Produced	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	-	-	-	-	-	-	-	-	-	-	-
Biodiesel Production	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

Table K-256

PY 2008 Period BPAC, Loans, Grants, and Incentives

SEP-Attributable Energy Savings by Fuel Type and Year, Total Estimates, in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	3,523* (4,741)	3,536* (4,741)	3,889* (5,258)	4,181* (5,681)	4,610* (6,300)	3,894* (5,261)	39,571* (54,742)	71,901* (102,332)	35,752* (51,501)	2,282* (3,288)	173,140* (243,845)
Natural Gas, Units=KTher ms	122 (146)	133 (146)	143 (162)	152 (179)	165 (199)	136 (155)	1,373 (1,664)	2,845* (3,687)	1,698* (2,303)	371* (509)	7,138* (9,150)
Oil, Units=KTher ms	-	-	-	-	-	-	-	-	-	-	-
Propane, Units=KTher ms	-	-	-	-	-	-	-	-	-	-	-
Kerosene, Units=KTher ms	-	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Diesel, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	2,763 (3,265)	2,763 (3,265)	2,763 (3,265)	2,763 (3,265)	2,586 (3,057)	2,365 (2,796)	7,073 (8,360)	-	-	-	23,075 (27,274)
Other, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Total, Units=Site	26,977 (30,935)	28,147 (30,935)	30,350 (34,274)	32,212 (37,466)	34,847 (41,509)	29,235 (33,596)	279,423* (353,315)	529,803* (717,830)	291,783* (406,001)	44,887* (62,112)	1,327,664* (1,747,215)

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
MMBtu											)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-257 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Energy Savings by Fuel Type and Year, Total Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	40,153* (54,030)	40,294* (54,030)	44,317* (59,925)	47,651* (64,736)	52,541* (71,799)	44,372* (59,956)	450,953* (623,841)	819,394* (1,166,179)	407,437* (586,913)	26,010* (37,473)	1,973,121* (2,778,881)
Natural Gas	12,765 (15,270)	13,945 (15,270)	14,991 (16,936)	15,895 (18,784)	17,307 (20,834)	14,223 (16,258)	143,783 (174,252)	297,836* (385,987)	177,771* (241,094)	38,843* (53,285)	747,359* (957,971)
Oil	-	-	-	-	-	-	-	-	-	-	-
Propane	-	-	-	-	-	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	-	-	-	-	-	-	-	-	-
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	2,790 (3,298)	2,790 (3,298)	2,790 (3,298)	2,790 (3,298)	2,612 (3,087)	2,389 (2,824)	7,143 (8,443)	-	-	-	23,306 (27,547)
Other	-	-	-	-	-	-	-	-	-	-	-
Total	55,708 (69,379)	57,030 (69,379)	62,098 (76,932)	66,336* (83,585)	72,459* (92,684)	60,984 (76,266)	601,880* (798,138)	1,117,229* (1,552,166)	585,208* (828,007)	64,853* (90,757)	2,743,785* (3,736,954)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-258

PY 2008 Period BPAC, Loans, Grants, and Incentives

SEP-Attributable Energy Savings by Fuel Type and Year, Average per Year Estimates, in Original Site Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	2008-2050	3,523* (4,741)	3,536* (4,741)	3,889* (5,258)	4,181* (5,681)	4,610* (6,300)	3,894* (5,261)	5,653* (7,820)	7,190* (10,233)	3,575* (5,150)	228* (329)	4,027* (5,671)
Natural Gas, Units=KTherms	2008-2050	122 (146)	133 (146)	143 (162)	152 (179)	165 (199)	136 (155)	196 (238)	284* (369)	170* (230)	37* (51)	166* (213)
Oil, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Propane, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Kerosene, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Diesel, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	2008-2017	2,763 (3,265)	2,763 (3,265)	2,763 (3,265)	2,763 (3,265)	2,586 (3,057)	2,365 (2,796)	1,768 (2,090)	-	-	-	2,307 (2,727)
Other, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Total,	2008-	26,977	28,147	30,350	32,212	34,847	29,235	39,918*	52,980*	29,178*	4,489*	30,876*

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Units=Site MMBtu	2050	(30,935)	(30,935)	(34,274)	(37,466)	(41,509)	(33,596)	(50,474)	(71,783)	(40,600)	(6,211)	(40,633)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-259 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Energy Savings by Fuel Type and Year, Average per Year Estimates, in Source MMBtu Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	2008-2050	40,153* (54,030)	40,294* (54,030)	44,317* (59,925)	47,651* (64,736)	52,541* (71,799)	44,372* (59,956)	64,422* (89,120)	81,939* (116,618)	40,744* (58,691)	2,601* (3,747)	45,887* (64,625)
Natural Gas	2008-2050	12,765 (15,270)	13,945 (15,270)	14,991 (16,936)	15,895 (18,784)	17,307 (20,834)	14,223 (16,258)	20,540 (24,893)	29,784* (38,599)	17,777* (24,109)	3,884* (5,328)	17,380* (22,278)
Oil	n/a	-	-	-	-	-	-	-	-	-	-	-
Propane	n/a	-	-	-	-	-	-	-	-	-	-	-
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-	-
Gasoline	2008-2017	2,790 (3,298)	2,790 (3,298)	2,790 (3,298)	2,790 (3,298)	2,612 (3,087)	2,389 (2,824)	1,786 (2,111)	-	-	-	2,331 (2,755)
Other	n/a	-	-	-	-	-	-	-	-	-	-	-
Total	2008-2050	55,708 (69,379)	57,030 (69,379)	62,098 (76,932)	66,336* (83,585)	72,459* (92,684)	60,984 (76,266)	85,983* (114,020)	111,723* (155,217)	58,521* (82,801)	6,485* (9,076)	63,809* (86,906)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.



Table K-260

PY 2008 Period BPAC, Loans, Grants, and Incentives

SEP-Attributable Energy Savings by Fuel Type and Year, Row Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	2.0% (0.1%)	2.0% (0.1%)	2.2% (0.1%)	2.4% (0.1%)	2.7% (0.1%)	2.2% (0.1%)	22.9% (0.6%)	41.5% (0.6%)	20.6% (0.7%)	1.3% (0.0%)	100.0% (0.0%)
Natural Gas	1.7% (0.1%)	1.9% (0.3%)	2.0% (0.3%)	2.1% (0.2%)	2.3% (0.2%)	1.9% (0.3%)	19.2% (1.3%)	39.9% (0.6%)	23.8% (1.8%)	5.2% (0.5%)	100.0% (0.0%)
Oil	-	-	-	-	-	-	-	-	-	-	-
Propane	-	-	-	-	-	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	-	-	-	-	-	-	-	-	-
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	12.0% (0.0%)	12.0% (0.0%)	12.0% (0.0%)	12.0% (0.0%)	11.2% (0.0%)	10.3% (0.0%)	30.7% (0.0%)	-	-	-	100.0% (0.0%)
Other	-	-	-	-	-	-	-	-	-	-	-
Total	2.0% (0.3%)	2.1% (0.3%)	2.3% (0.3%)	2.4% (0.3%)	2.6% (0.2%)	2.2% (0.3%)	21.9% (0.8%)	40.7% (1.2%)	21.3% (1.1%)	2.4% (0.1%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-261 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Energy Savings by Fuel Type and Year, Column Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	72.1% (8.5%)	70.7% (9.8%)	71.4% (9.0%)	71.8% (8.0%)	72.5% (7.1%)	72.8% (8.1%)	74.9% (4.4%)	73.3% (2.5%)	69.6% (1.8%)	40.1% (1.7%)	71.9% (3.4%)
Natural Gas	22.9% (1.7%)	24.5% (3.3%)	24.1% (2.9%)	24.0% (2.2%)	23.9% (2.1%)	23.3% (2.7%)	23.9% (2.7%)	26.7% (2.5%)	30.4% (1.8%)	59.9% (1.7%)	27.2% (2.2%)
Oil	-	-	-	-	-	-	-	-	-	-	-
Propane	-	-	-	-	-	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	-	-	-	-	-	-	-	-	-
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	5.0%* (8.4%)	4.9%* (8.1%)	4.5%* (7.5%)	4.2%* (7.1%)	3.6%* (6.2%)	3.9%* (6.6%)	1.2%* (2.1%)	-	-	-	0.8%* (1.5%)
Other	-	-	-	-	-	-	-	-	-	-	-
Total	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-262 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Energy Savings by Sector and Year, Total Estimates, in Site MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	2,964 (0)	4,134 (0)	4,019 (0)	3,666 (0)	3,665 (0)	3,742 (0)	28,350 (0)	33,930 (0)	11,319 (0)	1,980 (0)	97,768 (0)
Commercial	-	-	-	-	-	-	-	-	-	-	-
Industrial	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	24,013* (30,935)	24,013* (30,935)	26,332* (34,274)	28,546* (37,466)	31,182* (41,509)	25,493* (33,596)	251,073* (353,315)	495,873* (717,830)	280,464* (406,001)	42,907* (62,112)	1,229,895* (1,747,215)
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	26,977 (30,935)	28,147 (30,935)	30,350 (34,274)	32,212 (37,466)	34,847 (41,509)	29,235 (33,596)	279,423* (353,315)	529,803* (717,830)	291,783* (406,001)	44,887* (62,112)	1,327,664* (1,747,215)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

Table K-263 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Energy Savings by Sector and Year, Total Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	5,045 (0)	6,367 (0)	6,213 (0)	5,850 (0)	5,857 (0)	5,947 (0)	43,418 (0)	45,001 (0)	13,224 (0)	2,158 (0)	139,080 (0)
Commercial	-	-	-	-	-	-	-	-	-	-	-
Industrial	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	50,663* (69,379)	50,663* (69,379)	55,886* (76,932)	60,486* (83,585)	66,602* (92,684)	55,037* (76,266)	558,462* (798,138)	1,072,229* (1,552,166)	571,983* (828,007)	62,695* (90,757)	2,604,705* (3,736,954)
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	55,708 (69,379)	57,030 (69,379)	62,098 (76,932)	66,336* (83,585)	72,459* (92,684)	60,984 (76,266)	601,880* (798,138)	1,117,229* (1,552,166)	585,208* (828,007)	64,853* (90,757)	2,743,785* (3,736,954)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-264 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Energy Savings by Sector and Year, Average per Year Estimates, in Site MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	2008-2050	2,964 (0)	4,134 (0)	4,019 (0)	3,666 (0)	3,665 (0)	3,742 (0)	4,050 (0)	3,393 (0)	1,132 (0)	198 (0)	2,274 (0)
Commercial	n/a	-	-	-	-	-	-	-	-	-	-	-
Industrial	n/a	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	2008-2047	24,013* (30,935)	24,013* (30,935)	26,332* (34,274)	28,546* (37,466)	31,182* (41,509)	25,493* (33,596)	35,868* (50,474)	49,587* (71,783)	28,046* (40,600)	6,130* (8,873)	30,747* (43,680)
Private Institutional	n/a	-	-	-	-	-	-	-	-	-	-	-
Total	2008-2050	26,977 (30,935)	28,147 (30,935)	30,350 (34,274)	32,212 (37,466)	34,847 (41,509)	29,235 (33,596)	39,918* (50,474)	52,980* (71,783)	29,178* (40,600)	4,489* (6,211)	30,876* (40,633)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-265 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Energy Savings by Sector and Year, Average per Year Estimates, in Source MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	2008-2050	5,045 (0)	6,367 (0)	6,213 (0)	5,850 (0)	5,857 (0)	5,947 (0)	6,203 (0)	4,500 (0)	1,322 (0)	216 (0)	3,234 (0)
Commercial	n/a	-	-	-	-	-	-	-	-	-	-	-
Industrial	n/a	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	2008-2047	50,663* (69,379)	50,663* (69,379)	55,886* (76,932)	60,486* (83,585)	66,602* (92,684)	55,037* (76,266)	79,780* (114,020)	107,223* (155,217)	57,198* (82,801)	8,956* (12,965)	65,118* (93,424)
Private Institutional	n/a	-	-	-	-	-	-	-	-	-	-	-
Total	2008-2050	55,708 (69,379)	57,030 (69,379)	62,098 (76,932)	66,336* (83,585)	72,459* (92,684)	60,984 (76,266)	85,983* (114,020)	111,723* (155,217)	58,521* (82,801)	6,485* (9,076)	63,809* (86,906)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-266 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Energy Savings by Sector and Year, Row Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	3.6% (0.0%)	4.6% (0.0%)	4.5% (0.0%)	4.2% (0.0%)	4.2% (0.0%)	4.3% (0.0%)	31.2% (0.0%)	32.4% (0.0%)	9.5% (0.0%)	1.6% (0.0%)	100.0% (0.0%)
Commercial	-	-	-	-	-	-	-	-	-	-	-
Industrial	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	1.9% (0.2%)	1.9% (0.2%)	2.1% (0.2%)	2.3% (0.2%)	2.6% (0.1%)	2.1% (0.1%)	21.4% (0.2%)	41.2% (0.7%)	22.0% (0.4%)	2.4% (0.0%)	100.0% (0.0%)
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	2.0% (0.3%)	2.1% (0.3%)	2.3% (0.3%)	2.4% (0.3%)	2.6% (0.2%)	2.2% (0.3%)	21.9% (0.8%)	40.7% (1.2%)	21.3% (1.1%)	2.4% (0.1%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-267

PY 2008 Period BPAC, Loans, Grants, and Incentives

SEP-Attributable Energy Savings by Sector and Year, Column Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	9.1% (11.3%)	11.2% (13.6%)	10.0% (12.4%)	8.8%* (11.1%)	8.1%* (10.3%)	9.8% (12.2%)	7.2%* (9.6%)	4.0%* (5.6%)	2.3%* (3.2%)	3.3%* (4.7%)	5.1%* (6.9%)
Commercial	-	-	-	-	-	-	-	-	-	-	-
Industrial	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	90.9% (11.3%)	88.8% (13.6%)	90.0% (12.4%)	91.2% (11.1%)	91.9% (10.3%)	90.2% (12.2%)	92.8% (9.6%)	96.0% (5.6%)	97.7% (3.2%)	96.7% (4.7%)	94.9% (6.9%)
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-268 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Energy Savings by Fuel Type and Sector, Total Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity, Units=MWh	4,693 (0)	-	-	168,447* (243,845)	-	173,140* (243,845)
Natural Gas, Units=KTherms	818 (0)	-	-	6,321* (9,150)	-	7,138* (9,150)
Oil, Units=KTherms	-	-	-	-	-	-
Propane, Units=KTherms	-	-	-	-	-	-
Kerosene, Units=KTherms	-	-	-	-	-	-
Wood, Units=Site MMBtu	-	-	-	-	-	-
Diesel, Units=Site MMBtu	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	-	-	-	23,075 (27,274)	-	23,075 (27,274)
Other, Units=Site MMBtu	-	-	-	-	-	-
Total,	97,768	-	-	1,229,895*	-	1,327,664*

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Units=Site MMBtu	(0)			(1,747,215)		(1,747,215)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-269 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Energy Savings by Fuel Type and Sector, Total Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	53,483 (0)	-	-	1,919,638* (2,778,881)	-	1,973,121* (2,778,881)
Natural Gas	85,597 (0)	-	-	661,762* (957,971)	-	747,359* (957,971)
Oil	-	-	-	-	-	-
Propane	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-
Wood	-	-	-	-	-	-
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	23,306 (27,547)	-	23,306 (27,547)
Other	-	-	-	-	-	-
Total	139,080 (0)	-	-	2,604,705* (3,736,954)	-	2,743,785* (3,736,954)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-270 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Energy Savings by Fuel Type and Sector, Average per Year Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity, Units=MWh	109 (0)	-	-	4,211* (6,096)	-	4,027* (5,671)
Natural Gas, Units=KTherms	19 (0)	-	-	158* (229)	-	166* (213)
Oil, Units=KTherms	-	-	-	-	-	-
Propane, Units=KTherms	-	-	-	-	-	-
Kerosene, Units=KTherms	-	-	-	-	-	-
Wood, Units=Site MMBtu	-	-	-	-	-	-
Diesel, Units=Site MMBtu	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	-	-	-	2,307 (2,727)	-	2,307 (2,727)
Other, Units=Site MMBtu	-	-	-	-	-	-
Total,	2,274	-	-	30,747*	-	30,876*

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Units=Site MMBtu	(0)			(43,680)		(40,633)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-271 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Energy Savings by Fuel Type and Sector, Average per Year Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	1,244 (0)	-	-	47,991* (69,472)	-	45,887* (64,625)
Natural Gas	1,991 (0)	-	-	16,544* (23,949)	-	17,380* (22,278)
Oil	-	-	-	-	-	-
Propane	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-
Wood	-	-	-	-	-	-
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	2,331 (2,755)	-	2,331 (2,755)
Other	-	-	-	-	-	-
Total	3,234 (0)	-	-	65,118* (93,424)	-	63,809* (86,906)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-272 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Energy Savings by Fuel Type and Sector, Row Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	2.7%* (3.8%)	-	-	97.3% (3.8%)	-	100.0% (0.0%)
Natural Gas	11.5%* (14.7%)	-	-	88.5% (14.7%)	-	100.0% (0.0%)
Oil	-	-	-	-	-	-
Propane	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-
Wood	-	-	-	-	-	-
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	100.0% (0.0%)	-	100.0% (0.0%)
Other	-	-	-	-	-	-
Total	5.1%* (6.9%)	-	-	94.9% (6.9%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-273 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Energy Savings by Fuel Type and Sector, Column Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	38.5% (0.0%)	-	-	73.7% (1.2%)	-	71.9% (3.4%)
Natural Gas	61.5% (0.0%)	-	-	25.4% (0.4%)	-	27.2% (2.2%)
Oil	-	-	-	-	-	-
Propane	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-
Wood	-	-	-	-	-	-
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	0.9%* (1.7%)	-	0.8%* (1.5%)
Other	-	-	-	-	-	-
Total	100.0% (0.0%)	-	-	100.0% (0.0%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-274 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Renewable Generation by Fuel Type and Year, Total Estimates, in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated, Units=MWh	-	-	-	-	-	-	-	-	-	-	-
Methane Produced, Units=KTherms	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	-	-	-	-	-	-	-	-	-	-	-
Biodiesel Production, Units=KTherms	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Other, Units=Site	-	-	-	-	-	-	-	-	-	-	-

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
MMBtu											
Total, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

KTherms = 1,000 Therms.

Table K-275

PY 2008 Period BPAC, Loans, Grants, and Incentives

SEP-Attributable Renewable Generation by Fuel Type and Year, Total Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	-	-	-	-	-	-	-	-	-	-	-
Methane Produced	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	-	-	-	-	-	-	-	-	-	-	-
Biodiesel Production	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

Table K-276

PY 2008 Period BPAC, Loans, Grants, and Incentives

SEP-Attributable Renewable Generation by Fuel Type and Year, Average per Year Estimates, in Original Site Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated, Units=MWh	n/a	-	-	-	-	-	-	-	-	-	-	-
Methane Produced, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Biodiesel Production, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Other,	n/a	-	-	-	-	-	-	-	-	-	-	-

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Units=Site MMBtu												
Total, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

KTherms = 1,000 Therms.

Table K-277

PY 2008 Period BPAC, Loans, Grants, and Incentives

SEP-Attributable Renewable Generation by Fuel Type and Year, Average per Year Estimates, in Source MMBtu Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	n/a	-	-	-	-	-	-	-	-	-	-	-
Methane Produced	n/a	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	-	-	-	-	-	-	-	-	-	-
Biodiesel Production	n/a	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production	n/a	-	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

Table K-278 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Renewable Generation by Fuel Type and Year, Row Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	-	-	-	-	-	-	-	-	-	-	-
Methane Produced	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	-	-	-	-	-	-	-	-	-	-	-
Biodiesel Production	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

Table K-279 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Renewable Generation by Fuel Type and Year, Column Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	-	-	-	-	-	-	-	-	-	-	-
Methane Produced	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	-	-	-	-	-	-	-	-	-	-	-
Biodiesel Production	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

Table K-280 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Renewable Generation by Sector and Year, Total Estimates, in Site MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	-	-	-	-	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-	-	-	-	-
Industrial	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	-	-	-	-	-	-	-	-	-	-	-
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

Table K-281 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Renewable Generation by Sector and Year, Total Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	-	-	-	-	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-	-	-	-	-
Industrial	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	-	-	-	-	-	-	-	-	-	-	-
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

Table K-282 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Renewable Generation by Sector and Year, Average per Year Estimates, in Site MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	-	-	-	-	-	-	-	-	-	-
Commercial	n/a	-	-	-	-	-	-	-	-	-	-	-
Industrial	n/a	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	n/a	-	-	-	-	-	-	-	-	-	-	-
Private Institutional	n/a	-	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

Table K-283 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Renewable Generation by Sector and Year, Average per Year Estimates, in Source MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	-	-	-	-	-	-	-	-	-	-
Commercial	n/a	-	-	-	-	-	-	-	-	-	-	-
Industrial	n/a	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	n/a	-	-	-	-	-	-	-	-	-	-	-
Private Institutional	n/a	-	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

Table K-284 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Renewable Generation by Sector and Year, Row Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	-	-	-	-	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-	-	-	-	-
Industrial	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	-	-	-	-	-	-	-	-	-	-	-
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

Table K-285 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Renewable Generation by Sector and Year, Column Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	-	-	-	-	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-	-	-	-	-
Industrial	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	-	-	-	-	-	-	-	-	-	-	-
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

Table K-286 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Renewable Generation by Fuel Type and Sector, Total Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated, Units=MWh	-	-	-	-	-	-
Methane Produced, Units=KTherms	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	-	-	-	-	-	-
Biodiesel Production, Units=KTherms	-	-	-	-	-	-
Ethanol Production, Units=Site MMBtu	-	-	-	-	-	-
Other,	-	-	-	-	-	-

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Units=Site MMBtu						
Total, Units=Site MMBtu	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

KTherms = 1,000 Therms.

Table K-287 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Renewable Generation by Fuel Type and Sector, Total Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated	-	-	-	-	-	-
Methane Produced	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	-	-	-	-	-	-
Biodiesel Production	-	-	-	-	-	-
Ethanol Production	-	-	-	-	-	-
Other	-	-	-	-	-	-
Total	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

Table K-288

PY 2008 Period BPAC, Loans, Grants, and Incentives

SEP-Attributable Renewable Generation by Fuel Type and Sector, Average per Year Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated, Units=MWh	-	-	-	-	-	-
Methane Produced, Units=KTherms	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	-	-	-	-	-	-
Biodiesel Production, Units=KTherms	-	-	-	-	-	-
Ethanol Production, Units=Site MMBtu	-	-	-	-	-	-
Other,	-	-	-	-	-	-

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Units=Site MMBtu						
Total, Units=Site MMBtu	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

KTherms = 1,000 Therms.

Table K-289 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Renewable Generation by Fuel Type and Sector, Average per Year Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated	-	-	-	-	-	-
Methane Produced	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	-	-	-	-	-	-
Biodiesel Production	-	-	-	-	-	-
Ethanol Production	-	-	-	-	-	-
Other	-	-	-	-	-	-
Total	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

Table K-290 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Renewable Generation by Fuel Type and Sector, Row Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated	-	-	-	-	-	-
Methane Produced	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	-	-	-	-	-	-
Biodiesel Production	-	-	-	-	-	-
Ethanol Production	-	-	-	-	-	-
Other	-	-	-	-	-	-
Total	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

Table K-291 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Renewable Generation by Fuel Type and Sector, Column Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated	-	-	-	-	-	-
Methane Produced	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	-	-	-	-	-	-
Biodiesel Production	-	-	-	-	-	-
Ethanol Production	-	-	-	-	-	-
Other	-	-	-	-	-	-
Total	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

Table K-292 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Year, Total Estimates, in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	3,523* (4,741)	3,536* (4,741)	3,889* (5,258)	4,181* (5,681)	4,610* (6,300)	3,894* (5,261)	39,571* (54,742)	71,901* (102,332)	35,752* (51,501)	2,282* (3,288)	173,140* (243,845)
Natural Gas, Units=KTherms	122 (146)	133 (146)	143 (162)	152 (179)	165 (199)	136 (155)	1,373 (1,664)	2,845* (3,687)	1,698* (2,303)	371* (509)	7,138* (9,150)
Oil, Units=KTherms	-	-	-	-	-	-	-	-	-	-	-
Propane, Units=KTherms	-	-	-	-	-	-	-	-	-	-	-
Kerosene, Units=KTherms	-	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Diesel, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	2,763 (3,265)	2,763 (3,265)	2,763 (3,265)	2,763 (3,265)	2,586 (3,057)	2,365 (2,796)	7,073 (8,360)	-	-	-	23,075 (27,274)
Other, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Total,	26,977	28,147	30,350	32,212	34,847	29,235	279,423*	529,803*	291,783*	44,887*	1,327,664*

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Units=Site MMBtu	(30,935)	(30,935)	(34,274)	(37,466)	(41,509)	(33,596)	(353,315)	(717,830)	(406,001)	(62,112)	(1,747,215)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-293 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Year, Total Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	40,153* (54,030)	40,294* (54,030)	44,317* (59,925)	47,651* (64,736)	52,541* (71,799)	44,372* (59,956)	450,953* (623,841)	819,394* (1,166,179)	407,437* (586,913)	26,010* (37,473)	1,973,121* (2,778,881)
Natural Gas	12,765 (15,270)	13,945 (15,270)	14,991 (16,936)	15,895 (18,784)	17,307 (20,834)	14,223 (16,258)	143,783 (174,252)	297,836* (385,987)	177,771* (241,094)	38,843* (53,285)	747,359* (957,971)
Oil	-	-	-	-	-	-	-	-	-	-	-
Propane	-	-	-	-	-	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	-	-	-	-	-	-	-	-	-
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	2,790 (3,298)	2,790 (3,298)	2,790 (3,298)	2,790 (3,298)	2,612 (3,087)	2,389 (2,824)	7,143 (8,443)	-	-	-	23,306 (27,547)
Other	-	-	-	-	-	-	-	-	-	-	-
Total	55,708 (69,379)	57,030 (69,379)	62,098 (76,932)	66,336* (83,585)	72,459* (92,684)	60,984 (76,266)	601,880* (798,138)	1,117,229* (1,552,166)	585,208* (828,007)	64,853* (90,757)	2,743,785* (3,736,954)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.



Table K-294 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Year, Average per Year Estimates, in Original Site Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	2008-2050	3,523* (4,741)	3,536* (4,741)	3,889* (5,258)	4,181* (5,681)	4,610* (6,300)	3,894* (5,261)	5,653* (7,820)	7,190* (10,233)	3,575* (5,150)	228* (329)	4,027* (5,671)
Natural Gas, Units=KTherms	2008-2050	122 (146)	133 (146)	143 (162)	152 (179)	165 (199)	136 (155)	196 (238)	284* (369)	170* (230)	37* (51)	166* (213)
Oil, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Propane, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Kerosene, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Diesel, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	2008-2017	2,763 (3,265)	2,763 (3,265)	2,763 (3,265)	2,763 (3,265)	2,586 (3,057)	2,365 (2,796)	1,768 (2,090)	-	-	-	2,307 (2,727)
Other, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Total, Units=Site MMBtu	2008- 2050	26,977 (30,935)	28,147 (30,935)	30,350 (34,274)	32,212 (37,466)	34,847 (41,509)	29,235 (33,596)	39,918* (50,474)	52,980* (71,783)	29,178* (40,600)	4,489* (6,211)	30,876* (40,633)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-295 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Year, Average per Year Estimates, in Source MMBtu Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	2008-2050	40,153* (54,030)	40,294* (54,030)	44,317* (59,925)	47,651* (64,736)	52,541* (71,799)	44,372* (59,956)	64,422* (89,120)	81,939* (116,618)	40,744* (58,691)	2,601* (3,747)	45,887* (64,625)
Natural Gas	2008-2050	12,765 (15,270)	13,945 (15,270)	14,991 (16,936)	15,895 (18,784)	17,307 (20,834)	14,223 (16,258)	20,540 (24,893)	29,784* (38,599)	17,777* (24,109)	3,884* (5,328)	17,380* (22,278)
Oil	n/a	-	-	-	-	-	-	-	-	-	-	-
Propane	n/a	-	-	-	-	-	-	-	-	-	-	-
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-	-
Gasoline	2008-2017	2,790 (3,298)	2,790 (3,298)	2,790 (3,298)	2,790 (3,298)	2,612 (3,087)	2,389 (2,824)	1,786 (2,111)	-	-	-	2,331 (2,755)
Other	n/a	-	-	-	-	-	-	-	-	-	-	-
Total	2008-2050	55,708 (69,379)	57,030 (69,379)	62,098 (76,932)	66,336* (83,585)	72,459* (92,684)	60,984 (76,266)	85,983* (114,020)	111,723* (155,217)	58,521* (82,801)	6,485* (9,076)	63,809* (86,906)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.



Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-296 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Year, Row Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	2.0% (0.1%)	2.0% (0.1%)	2.2% (0.1%)	2.4% (0.1%)	2.7% (0.1%)	2.2% (0.1%)	22.9% (0.6%)	41.5% (0.6%)	20.6% (0.7%)	1.3% (0.0%)	100.0% (0.0%)
Natural Gas	1.7% (0.1%)	1.9% (0.3%)	2.0% (0.3%)	2.1% (0.2%)	2.3% (0.2%)	1.9% (0.3%)	19.2% (1.3%)	39.9% (0.6%)	23.8% (1.8%)	5.2% (0.5%)	100.0% (0.0%)
Oil	-	-	-	-	-	-	-	-	-	-	-
Propane	-	-	-	-	-	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	-	-	-	-	-	-	-	-	-
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	12.0% (0.0%)	12.0% (0.0%)	12.0% (0.0%)	12.0% (0.0%)	11.2% (0.0%)	10.3% (0.0%)	30.7% (0.0%)	-	-	-	100.0% (0.0%)
Other	-	-	-	-	-	-	-	-	-	-	-
Total	2.0% (0.3%)	2.1% (0.3%)	2.3% (0.3%)	2.4% (0.3%)	2.6% (0.2%)	2.2% (0.3%)	21.9% (0.8%)	40.7% (1.2%)	21.3% (1.1%)	2.4% (0.1%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-297 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Year, Column Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	72.1% (8.5%)	70.7% (9.8%)	71.4% (9.0%)	71.8% (8.0%)	72.5% (7.1%)	72.8% (8.1%)	74.9% (4.4%)	73.3% (2.5%)	69.6% (1.8%)	40.1% (1.7%)	71.9% (3.4%)
Natural Gas	22.9% (1.7%)	24.5% (3.3%)	24.1% (2.9%)	24.0% (2.2%)	23.9% (2.1%)	23.3% (2.7%)	23.9% (2.7%)	26.7% (2.5%)	30.4% (1.8%)	59.9% (1.7%)	27.2% (2.2%)
Oil	-	-	-	-	-	-	-	-	-	-	-
Propane	-	-	-	-	-	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	-	-	-	-	-	-	-	-	-
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	5.0%* (8.4%)	4.9%* (8.1%)	4.5%* (7.5%)	4.2%* (7.1%)	3.6%* (6.2%)	3.9%* (6.6%)	1.2%* (2.1%)	-	-	-	0.8%* (1.5%)
Other	-	-	-	-	-	-	-	-	-	-	-
Total	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-298 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and Year, Total Estimates, in Site MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	2,964 (0)	4,134 (0)	4,019 (0)	3,666 (0)	3,665 (0)	3,742 (0)	28,350 (0)	33,930 (0)	11,319 (0)	1,980 (0)	97,768 (0)
Commercial	-	-	-	-	-	-	-	-	-	-	-
Industrial	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	24,013* (30,935)	24,013* (30,935)	26,332* (34,274)	28,546* (37,466)	31,182* (41,509)	25,493* (33,596)	251,073* (353,315)	495,873* (717,830)	280,464* (406,001)	42,907* (62,112)	1,229,895* (1,747,215)
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	26,977 (30,935)	28,147 (30,935)	30,350 (34,274)	32,212 (37,466)	34,847 (41,509)	29,235 (33,596)	279,423* (353,315)	529,803* (717,830)	291,783* (406,001)	44,887* (62,112)	1,327,664* (1,747,215)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

Table K-299 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and Year, Total Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	5,045 (0)	6,367 (0)	6,213 (0)	5,850 (0)	5,857 (0)	5,947 (0)	43,418 (0)	45,001 (0)	13,224 (0)	2,158 (0)	139,080 (0)
Commercial	-	-	-	-	-	-	-	-	-	-	-
Industrial	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	50,663* (69,379)	50,663* (69,379)	55,886* (76,932)	60,486* (83,585)	66,602* (92,684)	55,037* (76,266)	558,462* (798,138)	1,072,229* (1,552,166)	571,983* (828,007)	62,695* (90,757)	2,604,705* (3,736,954)
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	55,708 (69,379)	57,030 (69,379)	62,098 (76,932)	66,336* (83,585)	72,459* (92,684)	60,984 (76,266)	601,880* (798,138)	1,117,229* (1,552,166)	585,208* (828,007)	64,853* (90,757)	2,743,785* (3,736,954)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-300 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and Year, Average per Year Estimates, in Site MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	2008-2050	2,964 (0)	4,134 (0)	4,019 (0)	3,666 (0)	3,665 (0)	3,742 (0)	4,050 (0)	3,393 (0)	1,132 (0)	198 (0)	2,274 (0)
Commercial	n/a	-	-	-	-	-	-	-	-	-	-	-
Industrial	n/a	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	2008-2047	24,013* (30,935)	24,013* (30,935)	26,332* (34,274)	28,546* (37,466)	31,182* (41,509)	25,493* (33,596)	35,868* (50,474)	49,587* (71,783)	28,046* (40,600)	6,130* (8,873)	30,747* (43,680)
Private Institutional	n/a	-	-	-	-	-	-	-	-	-	-	-
Total	2008-2050	26,977 (30,935)	28,147 (30,935)	30,350 (34,274)	32,212 (37,466)	34,847 (41,509)	29,235 (33,596)	39,918* (50,474)	52,980* (71,783)	29,178* (40,600)	4,489* (6,211)	30,876* (40,633)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-301 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and Year, Average per Year Estimates, in Source MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	2008-2050	5,045 (0)	6,367 (0)	6,213 (0)	5,850 (0)	5,857 (0)	5,947 (0)	6,203 (0)	4,500 (0)	1,322 (0)	216 (0)	3,234 (0)
Commercial	n/a	-	-	-	-	-	-	-	-	-	-	-
Industrial	n/a	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	2008-2047	50,663* (69,379)	50,663* (69,379)	55,886* (76,932)	60,486* (83,585)	66,602* (92,684)	55,037* (76,266)	79,780* (114,020)	107,223* (155,217)	57,198* (82,801)	8,956* (12,965)	65,118* (93,424)
Private Institutional	n/a	-	-	-	-	-	-	-	-	-	-	-
Total	2008-2050	55,708 (69,379)	57,030 (69,379)	62,098 (76,932)	66,336* (83,585)	72,459* (92,684)	60,984 (76,266)	85,983* (114,020)	111,723* (155,217)	58,521* (82,801)	6,485* (9,076)	63,809* (86,906)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-302 PY 2008 Period BPAC, Loans, Grants, and Incentives
 SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and
 Year, Row Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	3.6% (0.0%)	4.6% (0.0%)	4.5% (0.0%)	4.2% (0.0%)	4.2% (0.0%)	4.3% (0.0%)	31.2% (0.0%)	32.4% (0.0%)	9.5% (0.0%)	1.6% (0.0%)	100.0% (0.0%)
Commercial	-	-	-	-	-	-	-	-	-	-	-
Industrial	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	1.9% (0.2%)	1.9% (0.2%)	2.1% (0.2%)	2.3% (0.2%)	2.6% (0.1%)	2.1% (0.1%)	21.4% (0.2%)	41.2% (0.7%)	22.0% (0.4%)	2.4% (0.0%)	100.0% (0.0%)
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	2.0% (0.3%)	2.1% (0.3%)	2.3% (0.3%)	2.4% (0.3%)	2.6% (0.2%)	2.2% (0.3%)	21.9% (0.8%)	40.7% (1.2%)	21.3% (1.1%)	2.4% (0.1%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-303 PY 2008 Period BPAC, Loans, Grants, and Incentives
 SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and Year, Column Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	9.1% (11.3%)	11.2% (13.6%)	10.0% (12.4%)	8.8%* (11.1%)	8.1%* (10.3%)	9.8% (12.2%)	7.2%* (9.6%)	4.0%* (5.6%)	2.3%* (3.2%)	3.3%* (4.7%)	5.1%* (6.9%)
Commercial	-	-	-	-	-	-	-	-	-	-	-
Industrial	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	90.9% (11.3%)	88.8% (13.6%)	90.0% (12.4%)	91.2% (11.1%)	91.9% (10.3%)	90.2% (12.2%)	92.8% (9.6%)	96.0% (5.6%)	97.7% (3.2%)	96.7% (4.7%)	94.9% (6.9%)
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-304 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Total Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity, Units=MWh	4,693 (0)	-	-	168,447* (243,845)	-	173,140* (243,845)
Natural Gas, Units=KTherms	818 (0)	-	-	6,321* (9,150)	-	7,138* (9,150)
Oil, Units=KTherms	-	-	-	-	-	-
Propane, Units=KTherms	-	-	-	-	-	-
Kerosene, Units=KTherms	-	-	-	-	-	-
Wood, Units=Site MMBtu	-	-	-	-	-	-
Diesel, Units=Site MMBtu	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	-	-	-	23,075 (27,274)	-	23,075 (27,274)
Other, Units=Site MMBtu	-	-	-	-	-	-

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Total, Units=Site MMBtu	97,768 (0)	-	-	1,229,895* (1,747,215)	-	1,327,664* (1,747,215)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-305 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Total Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	53,483 (0)	-	-	1,919,638* (2,778,881)	-	1,973,121* (2,778,881)
Natural Gas	85,597 (0)	-	-	661,762* (957,971)	-	747,359* (957,971)
Oil	-	-	-	-	-	-
Propane	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-
Wood	-	-	-	-	-	-
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	23,306 (27,547)	-	23,306 (27,547)
Other	-	-	-	-	-	-
Total	139,080 (0)	-	-	2,604,705* (3,736,954)	-	2,743,785* (3,736,954)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-306 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Average per Year Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity, Units=MWh	109 (0)	-	-	4,211* (6,096)	-	4,027* (5,671)
Natural Gas, Units=KTherms	19 (0)	-	-	158* (229)	-	166* (213)
Oil, Units=KTherms	-	-	-	-	-	-
Propane, Units=KTherms	-	-	-	-	-	-
Kerosene, Units=KTherms	-	-	-	-	-	-
Wood, Units=Site MMBtu	-	-	-	-	-	-
Diesel, Units=Site MMBtu	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	-	-	-	2,307 (2,727)	-	2,307 (2,727)
Other, Units=Site MMBtu	-	-	-	-	-	-

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Total, Units=Site MMBtu	2,274 (0)	-	-	30,747* (43,680)	-	30,876* (40,633)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-307 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Average per Year Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	1,244 (0)	-	-	47,991* (69,472)	-	45,887* (64,625)
Natural Gas	1,991 (0)	-	-	16,544* (23,949)	-	17,380* (22,278)
Oil	-	-	-	-	-	-
Propane	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-
Wood	-	-	-	-	-	-
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	2,331 (2,755)	-	2,331 (2,755)
Other	-	-	-	-	-	-
Total	3,234 (0)	-	-	65,118* (93,424)	-	63,809* (86,906)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period. Estimates that round to zero during the impact period will not be displayed due to suppression.



Table K-308 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Row Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	2.7%* (3.8%)	-	-	97.3% (3.8%)	-	100.0% (0.0%)
Natural Gas	11.5%* (14.7%)	-	-	88.5% (14.7%)	-	100.0% (0.0%)
Oil	-	-	-	-	-	-
Propane	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-
Wood	-	-	-	-	-	-
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	100.0% (0.0%)	-	100.0% (0.0%)
Other	-	-	-	-	-	-
Total	5.1%* (6.9%)	-	-	94.9% (6.9%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-309 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Column Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	38.5% (0.0%)	-	-	73.7% (1.2%)	-	71.9% (3.4%)
Natural Gas	61.5% (0.0%)	-	-	25.4% (0.4%)	-	27.2% (2.2%)
Oil	-	-	-	-	-	-
Propane	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-
Wood	-	-	-	-	-	-
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	0.9%* (1.7%)	-	0.8%* (1.5%)
Other	-	-	-	-	-	-
Total	100.0% (0.0%)	-	-	100.0% (0.0%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-310

PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Bill Savings by Fuel Type and Year, Total Estimates, in Thousand 2009 Dollars

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	\$419*	\$396*	\$423*	\$447*	\$484*	\$406*	\$4,092*	\$7,431*	\$3,858*	\$264*	\$18,219*
Natural Gas	\$154	\$121	\$127	\$130	\$134	\$112	\$1,149	\$2,569*	\$1,740*	\$445*	\$6,680*
Oil	-	-	-	-	-	-	-	-	-	-	-
Propane	-	-	-	-	-	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	-	-	-	-	-	-	-	-	-
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	\$74	\$52	\$54	\$57	\$56	\$54	\$175	-	-	-	\$522
Other	-	-	-	-	-	-	-	-	-	-	-
Total	\$646	\$569	\$604	\$633*	\$673*	\$571	\$5,416*	\$10,000*	\$5,598*	\$709*	\$25,420*

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-311 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Bill Savings by Fuel Type and Year, Row Percent Estimates, in Thousand 2009 Dollars

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	2.3%	2.2%	2.3%	2.5%	2.7%	2.2%	22.5%	40.8%	21.2%	1.4%	100.0%
Natural Gas	2.3%	1.8%	1.9%	1.9%	2.0%	1.7%	17.2%	38.5%	26.0%	6.7%	100.0%
Oil	-	-	-	-	-	-	-	-	-	-	-
Propane	-	-	-	-	-	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	-	-	-	-	-	-	-	-	-
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	14.1%	9.9%	10.4%	10.9%	10.7%	10.3%	33.6%	-	-	-	100.0%
Other	-	-	-	-	-	-	-	-	-	-	-
Total	2.5%	2.2%	2.4%	2.5%	2.6%	2.2%	21.3%	39.3%	22.0%	2.8%	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-312 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Bill Savings by Fuel Type and Year, Column Percent Estimates, in Thousand 2009 Dollars

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	64.8%	69.7%	69.9%	70.5%	71.8%	71.1%	75.5%	74.3%	68.9%	37.2%	71.7%
Natural Gas	23.8%	21.2%	21.1%	20.5%	19.8%	19.5%	21.2%	25.7%	31.1%	62.8%	26.3%
Oil	-	-	-	-	-	-	-	-	-	-	-
Propane	-	-	-	-	-	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	-	-	-	-	-	-	-	-	-
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	11.4%*	9.1%*	9.0%*	9.0%*	8.3%*	9.4%*	3.2%*	-	-	-	2.1%*
Other	-	-	-	-	-	-	-	-	-	-	-
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-313

PY 2008 Period BPAC, Loans, Grants, and Incentives

SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Fuel Type and Year, SEP-Attributable Energy in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	\$118.88*	\$112.07*	\$108.68*	\$106.85*	\$104.90*	\$104.30*	\$103.40*	\$103.35*	\$107.91*	\$115.58*	\$105.23*
Natural Gas, Units=KTherms	\$1,259.39	\$905.67	\$889.74	\$853.44	\$807.97	\$821.18	\$836.90	\$903.11*	\$1,024.67*	\$1,199.97*	\$935.76*
Oil, Units=KTherms	-	-	-	-	-	-	-	-	-	-	-
Propane, Units=KTherms	-	-	-	-	-	-	-	-	-	-	-
Kerosene, Units=KTherms	-	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Diesel, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	\$26.62	\$18.79	\$19.71	\$20.67	\$21.68	\$22.75	\$24.77	-	-	-	\$22.63
Other, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Total, Units=Site	\$23.94	\$20.21	\$19.92	\$19.67	\$19.32	\$19.55	\$19.38*	\$18.87*	\$19.19*	\$15.79*	\$19.15*

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
MMBtu											

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-314

PY 2008 Period BPAC, Loans, Grants, and Incentives

SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Fuel Type and Year, SEP-Attributable Energy in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	\$10.43*	\$9.83*	\$9.54*	\$9.38*	\$9.21*	\$9.15*	\$9.07*	\$9.07*	\$9.47*	\$10.14*	\$9.23*
Natural Gas	\$12.03	\$8.65	\$8.50	\$8.15	\$7.72	\$7.84	\$7.99	\$8.63*	\$9.79*	\$11.46*	\$8.94*
Oil	-	-	-	-	-	-	-	-	-	-	-
Propane	-	-	-	-	-	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	-	-	-	-	-	-	-	-	-
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	\$26.36	\$18.60	\$19.51	\$20.47	\$21.47	\$22.52	\$24.53	-	-	-	\$22.40
Other	-	-	-	-	-	-	-	-	-	-	-
Total	\$11.60	\$9.97	\$9.73	\$9.55*	\$9.29*	\$9.37	\$9.00*	\$8.95*	\$9.57*	\$10.93*	\$9.26*

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-315 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Bill Savings by Sector and Year, Total Estimates, in Thousand 2009 Dollars

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	\$56	\$56	\$54	\$50	\$48	\$48	\$360	\$400	\$127	\$24	\$1,223
Commercial	-	-	-	-	-	-	-	-	-	-	-
Industrial	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	\$590*	\$513*	\$550*	\$583*	\$626*	\$523*	\$5,056*	\$9,600*	\$5,471*	\$685*	\$24,197*
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	\$646	\$569	\$604	\$633*	\$673*	\$571	\$5,416*	\$10,000*	\$5,598*	\$709*	\$25,420*

Note:
Standard errors estimates are not reported.
 "-" indicates estimate rounds to zero and is considered imprecise.
 "*" indicates estimate exhibits low precision.
 Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-316 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Bill Savings by Sector and Year, Row Percent Estimates, in Thousand 2009 Dollars

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	4.6%	4.6%	4.4%	4.1%	3.9%	4.0%	29.4%	32.7%	10.3%	1.9%	100.0%
Commercial	-	-	-	-	-	-	-	-	-	-	-
Industrial	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	2.4%	2.1%	2.3%	2.4%	2.6%	2.2%	20.9%	39.7%	22.6%	2.8%	100.0%
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	2.5%	2.2%	2.4%	2.5%	2.6%	2.2%	21.3%	39.3%	22.0%	2.8%	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-317 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Bill Savings by Sector and Year, Column Percent Estimates, in Thousand 2009 Dollars

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	8.7%	9.9%	9.0%	7.9%*	7.1%*	8.5%	6.6%*	4.0%*	2.3%*	3.3%*	4.8%*
Commercial	-	-	-	-	-	-	-	-	-	-	-
Industrial	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	91.3%	90.1%	91.0%	92.1%	92.9%	91.5%	93.4%	96.0%	97.7%	96.7%	95.2%
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-318

PY 2008 Period BPAC, Loans, Grants, and Incentives

SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Sector and Year, SEP-Attributable Energy in Site MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	\$18.98	\$13.60	\$13.52	\$13.63	\$12.99	\$12.96	\$12.69	\$11.80	\$11.18	\$11.98	\$12.51
Commercial	-	-	-	-	-	-	-	-	-	-	-
Industrial	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	\$24.56*	\$21.35*	\$20.89*	\$20.44*	\$20.07*	\$20.51*	\$20.14*	\$19.36*	\$19.51*	\$15.97*	\$19.67*
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	\$23.94	\$20.21	\$19.92	\$19.67	\$19.32	\$19.55	\$19.38*	\$18.87*	\$19.19*	\$15.79*	\$19.15*

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-319

PY 2008 Period BPAC, Loans, Grants, and Incentives

SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Sector and Year, SEP-Attributable Energy in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	\$11.15	\$8.83	\$8.75	\$8.54	\$8.13	\$8.15	\$8.29	\$8.90	\$9.57	\$10.99	\$8.80
Commercial	-	-	-	-	-	-	-	-	-	-	-
Industrial	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	\$11.64*	\$10.12*	\$9.84*	\$9.65*	\$9.39*	\$9.50*	\$9.05*	\$8.95*	\$9.57*	\$10.93*	\$9.29*
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	\$11.60	\$9.97	\$9.73	\$9.55*	\$9.29*	\$9.37	\$9.00*	\$8.95*	\$9.57*	\$10.93*	\$9.26*

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-320 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Bill Savings by Fuel Type and Sector, Total Estimates, in Thousand 2009 Dollars

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	\$396	-	-	\$17,823*	-	\$18,219*
Natural Gas	\$828	-	-	\$5,852*	-	\$6,680*
Oil	-	-	-	-	-	-
Propane	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-
Wood	-	-	-	-	-	-
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	\$522	-	\$522
Other	-	-	-	-	-	-
Total	\$1,223	-	-	\$24,197*	-	\$25,420*

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-321 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Bill Savings by Fuel Type and Sector, Row Percent Estimates, in Thousand 2009 Dollars

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	2.2%*	-	-	97.8%	-	100.0%
Natural Gas	12.4%*	-	-	87.6%	-	100.0%
Oil	-	-	-	-	-	-
Propane	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-
Wood	-	-	-	-	-	-
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	100.0%	-	100.0%
Other	-	-	-	-	-	-
Total	4.8%*	-	-	95.2%	-	100.0%

Note:
Standard errors estimates are not reported.
"-" indicates estimate rounds to zero and is considered imprecise.
"*" indicates estimate exhibits low precision.
Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-322 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Bill Savings by Fuel Type and Sector, Column Percent Estimates, in Thousand 2009 Dollars

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	32.3%	-	-	73.7%	-	71.7%
Natural Gas	67.7%	-	-	24.2%	-	26.3%
Oil	-	-	-	-	-	-
Propane	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-
Wood	-	-	-	-	-	-
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	2.2%*	-	2.1%*
Other	-	-	-	-	-	-
Total	100.0%	-	-	100.0%	-	100.0%

Note:
Standard errors estimates are not reported.
"-" indicates estimate rounds to zero and is considered imprecise.
"*" indicates estimate exhibits low precision.
Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-323 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Fuel Type and Sector, SEP-Attributable Energy in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity, Units=MWh	\$84.32	-	-	\$105.81*	-	\$105.23*
Natural Gas, Units=KTherms	\$1,012.28	-	-	\$925.86*	-	\$935.76*
Oil, Units=KTherms	-	-	-	-	-	-
Propane, Units=KTherms	-	-	-	-	-	-
Kerosene, Units=KTherms	-	-	-	-	-	-
Wood, Units=Site MMBtu	-	-	-	-	-	-
Diesel, Units=Site MMBtu	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	-	-	-	\$22.63	-	\$22.63
Other, Units=Site MMBtu	-	-	-	-	-	-
Total,	\$12.51	-	-	\$19.67*	-	\$19.15*

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Units=Site MMBtu						

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-324 PY 2008 Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Fuel Type and Sector, SEP-Attributable Energy in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	\$7.40	-	-	\$9.28 [*]	-	\$9.23 [*]
Natural Gas	\$9.67	-	-	\$8.84 [*]	-	\$8.94 [*]
Oil	-	-	-	-	-	-
Propane	-	-	-	-	-	-
Kerosene	-	-	-	-	-	-
Wood	-	-	-	-	-	-
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	\$22.40	-	\$22.40
Other	-	-	-	-	-	-
Total	\$8.80	-	-	\$9.29 [*]	-	\$9.26 [*]

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-325 PY 2008 Period BPAC, Technical Assistance to Building Owners
Overall Energy Savings by Fuel Type and Year, Total Estimates, in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	21,241 (21,705)	32,723 (32,600)	34,671 (33,275)	34,253 (34,274)	34,817 (35,031)	34,842 (35,069)	172,405 (166,447)	24,323 (19,559)	-	-	389,275 (374,727)
Natural Gas, Units=KTher ms	847* (1,149)	922 (1,149)	947 (1,170)	950 (1,174)	950 (1,174)	950 (1,174)	4,208 (5,217)	722 (736)	-	-	10,498 (12,940)
Oil, Units=KTher ms	-	-	-	-	-	-	-	-	-	-	-
Propane, Units=KTher ms	-	3 (4)	3 (4)	3 (4)	3 (4)	3 (4)	21 (25)	9 (10)	-	-	45 (54)
Kerosene, Units=KTher ms	-	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Diesel, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Other, Units=Site MMBtu	-	81 (96)	81 (96)	81 (96)	81 (96)	81 (96)	488 (577)	-	-	-	895 (1,058)
Total, Units=Site	157,221 (186,589)	204,202 (224,545)	213,441 (228,828)	212,295 (233,326)	214,221 (235,943)	214,306 (236,076)	1,011,716 (1,085,316)	156,095 (134,808)	-	-	2,383,497 (2,558,984)

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
MMBtu							)				)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-326 PY 2008 Period BPAC, Technical Assistance to Building Owners
Overall Energy Savings by Fuel Type and Year, Total Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	242,066 (247,354)	372,914 (371,510)	395,112 (379,209)	390,346 (390,595)	396,781 (399,217)	397,064 (399,652)	1,964,739 (1,896,848)	277,191 (222,900)	-	-	4,436,213 (4,270,420)
Natural Gas	88,726* (120,270)	96,487 (120,269)	99,201 (122,515)	99,495 (122,916)	99,495 (122,916)	99,495 (122,916)	440,611 (546,194)	75,629 (77,073)	-	-	1,099,140 (1,354,845)
Oil	-	-	-	-	-	-	-	-	-	-	-
Propane	-	313 (370)	313 (370)	313 (370)	313 (370)	313 (370)	2,147 (2,538)	875 (1,035)	-	-	4,586 (5,421)
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	-	-	-	-	-	-	-	-	-
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-	-	-	-	-	-
Other	-	81 (96)	81 (96)	81 (96)	81 (96)	81 (96)	488 (577)	-	-	-	895 (1,058)
Total	330,792 (363,415)	469,795 (489,273)	494,708 (498,949)	490,235 (511,879)	496,670 (520,566)	496,953 (521,006)	2,407,986 (2,436,298)	353,695 (290,877)	-	-	5,540,834 (5,603,362)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.



Table K-327 PY 2008 Period BPAC, Technical Assistance to Building Owners
Overall Energy Savings by Fuel Type and Year, Average per Year Estimates, in Original Site Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	2008-2029	21,241 (21,705)	32,723 (32,600)	34,671 (33,275)	34,253 (34,274)	34,817 (35,031)	34,842 (35,069)	24,629 (23,778)	2,703 (2,173)	-	-	17,694 (17,033)
Natural Gas, Units=KTherms	2008-2030	847* (1,149)	922 (1,149)	947 (1,170)	950 (1,174)	950 (1,174)	950 (1,174)	601 (745)	72 (74)	-	-	456 (563)
Oil, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Propane, Units=KTherms	2009-2023	-	3 (4)	3 (4)	3 (4)	3 (4)	3 (4)	3 (4)	3 (3)	-	-	3 (4)
Kerosene, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Diesel, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Other, Units=Site MMBtu	2009-2019	-	81 (96)	81 (96)	81 (96)	81 (96)	81 (96)	81 (96)	-	-	-	81 (96)
Total,	2008-	157,221	204,202	213,441	212,295	214,221	214,306	144,531	15,610	-	-	103,630

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Units=Site MMBtu	2030	(186,589)	(224,545)	(228,828)	(233,326)	(235,943)	(236,076)	(155,045)	(13,481)			(111,260)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-328 PY 2008 Period BPAC, Technical Assistance to Building Owners
Overall Energy Savings by Fuel Type and Year, Average per Year Estimates, in Source MMBtu Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	2008-2029	242,066 (247,354)	372,914 (371,510)	395,112 (379,209)	390,346 (390,595)	396,781 (399,217)	397,064 (399,652)	280,677 (270,978)	30,799 (24,767)	-	-	201,646 (194,110)
Natural Gas	2008-2030	88,726* (120,270)	96,487 (120,269)	99,201 (122,515)	99,495 (122,916)	99,495 (122,916)	99,495 (122,916)	62,944 (78,028)	7,563 (7,707)	-	-	47,789 (58,906)
Oil	n/a	-	-	-	-	-	-	-	-	-	-	-
Propane	2009-2023	-	313 (370)	313 (370)	313 (370)	313 (370)	313 (370)	307 (363)	292 (345)	-	-	306 (361)
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-	-
Other	2009-2019	-	81 (96)	81 (96)	81 (96)	81 (96)	81 (96)	81 (96)	-	-	-	81 (96)
Total	2008-2030	330,792 (363,415)	469,795 (489,273)	494,708 (498,949)	490,235 (511,879)	496,670 (520,566)	496,953 (521,006)	343,998 (348,043)	35,369 (29,088)	-	-	240,906 (243,624)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.



Table K-329 PY 2008 Period BPAC, Technical Assistance to Building Owners
Overall Energy Savings by Fuel Type and Year, Row Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	5.5% (1.2%)	8.4% (0.8%)	8.9% (0.5%)	8.8% (0.4%)	8.9% (0.5%)	9.0% (0.5%)	44.3% (1.3%)	6.2% (2.9%)	-	-	100.0% (0.0%)
Natural Gas	8.1% (1.0%)	8.8% (0.3%)	9.0% (0.1%)	9.1% (0.1%)	9.1% (0.1%)	9.1% (0.1%)	40.1% (0.6%)	6.9% (1.5%)	-	-	100.0% (0.0%)
Oil	-	-	-	-	-	-	-	-	-	-	-
Propane	-	6.8% (0.0%)	6.8% (0.0%)	6.8% (0.0%)	6.8% (0.0%)	6.8% (0.0%)	46.8% (0.0%)	19.1% (0.0%)	-	-	100.0% (0.0%)
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	-	-	-	-	-	-	-	-	-
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-	-	-	-	-	-
Other	-	9.1% (0.0%)	9.1% (0.0%)	9.1% (0.0%)	9.1% (0.0%)	9.1% (0.0%)	54.5% (0.0%)	-	-	-	100.0% (0.0%)
Total	6.0% (1.1%)	8.5% (0.7%)	8.9% (0.4%)	8.8% (0.4%)	9.0% (0.4%)	9.0% (0.4%)	43.5% (0.9%)	6.4% (2.5%)	-	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-330 PY 2008 Period BPAC, Technical Assistance to Building Owners
Overall Energy Savings by Fuel Type and Year, Column Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	73.2% (9.9%)	79.4% (5.9%)	79.9% (6.1%)	79.6% (5.0%)	79.9% (4.9%)	79.9% (4.9%)	81.6% (5.0%)	78.4% (9.2%)	-	-	80.1% (5.5%)
Natural Gas	26.8% (9.9%)	20.5% (5.9%)	20.1% (6.2%)	20.3% (5.1%)	20.0% (4.9%)	20.0% (4.9%)	18.3% (5.1%)	21.4% (9.5%)	-	-	19.8% (5.6%)
Oil	-	-	-	-	-	-	-	-	-	-	-
Propane	-	0.1%* (0.1%)	0.1%* (0.1%)	0.1%* (0.1%)	0.1%* (0.1%)	0.1%* (0.1%)	0.1%* (0.1%)	0.2% (0.3%)	-	-	0.1%* (0.1%)
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	-	-	-	-	-	-	-	-	-
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
Total	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	-	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-331 PY 2008 Period BPAC, Technical Assistance to Building Owners
Overall Renewable Generation by Fuel Type and Year, Total Estimates, in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated, Units=MWh	-	49 (58)	49 (58)	49 (58)	49 (58)	49 (58)	342 (405)	489 (578)	147 (173)	-	1,223 (1,445)
Methane Produced, Units=KTherms	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	-	-	-	-	-	-	-	-	-	-	-
Biodiesel Production, Units=KTherms	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Other, Units=Site	-	-	-	-	-	-	-	-	-	-	-

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
MMBtu											
Total, Units=Site MMBtu	-	167 (197)	167 (197)	167 (197)	167 (197)	167 (197)	1,168 (1,381)	1,669 (1,972)	501 (592)	-	4,172 (4,931)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-332 PY 2008 Period BPAC, Technical Assistance to Building Owners
Overall Renewable Generation by Fuel Type and Year, Total Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	-	167 (197)	167 (197)	167 (197)	167 (197)	167 (197)	1,168 (1,381)	1,669 (1,972)	501 (592)	-	4,172 (4,931)
Methane Produced	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	-	-	-	-	-	-	-	-	-	-	-
Biodiesel Production	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
Total	-	167 (197)	167 (197)	167 (197)	167 (197)	167 (197)	1,168 (1,381)	1,669 (1,972)	501 (592)	-	4,172 (4,931)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-333

PY 2008 Period BPAC, Technical Assistance to Building Owners

Overall Renewable Generation by Fuel Type and Year, Average per Year Estimates, in Original Site Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated, Units=MWh	2009-2033	-	49 (58)	49 (58)	49 (58)	49 (58)	49 (58)	49 (58)	49 (58)	49 (58)	-	49 (58)
Methane Produced, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Biodiesel Production, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Other,	n/a	-	-	-	-	-	-	-	-	-	-	-

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Units=Site MMBtu												
Total, Units=Site MMBtu	2009-2033	-	167 (197)	167 (197)	167 (197)	167 (197)	167 (197)	167 (197)	167 (197)	167 (197)	-	167 (197)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-334 PY 2008 Period BPAC, Technical Assistance to Building Owners
Overall Renewable Generation by Fuel Type and Year, Average per Year Estimates, in Source MMBtu Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	2009-2033	-	167 (197)	167 (197)	167 (197)	167 (197)	167 (197)	167 (197)	167 (197)	167 (197)	-	167 (197)
Methane Produced	n/a	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	-	-	-	-	-	-	-	-	-	-
Biodiesel Production	n/a	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production	n/a	-	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-	-
Total	2009-2033	-	167 (197)	167 (197)	167 (197)	167 (197)	167 (197)	167 (197)	167 (197)	167 (197)	-	167 (197)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.



Table K-335 PY 2008 Period BPAC, Technical Assistance to Building Owners
Overall Renewable Generation by Fuel Type and Year, Row Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	-	4.0% (0.0%)	4.0% (0.0%)	4.0% (0.0%)	4.0% (0.0%)	4.0% (0.0%)	28.0% (0.0%)	40.0% (0.0%)	12.0% (0.0%)	-	100.0% (0.0%)
Methane Produced	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	-	-	-	-	-	-	-	-	-	-	-
Biodiesel Production	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
Total	-	4.0% (0.0%)	4.0% (0.0%)	4.0% (0.0%)	4.0% (0.0%)	4.0% (0.0%)	28.0% (0.0%)	40.0% (0.0%)	12.0% (0.0%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-336 PY 2008 Period BPAC, Technical Assistance to Building Owners
Overall Renewable Generation by Fuel Type and Year, Column Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	-	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	-	100.0% (0.0%)
Methane Produced	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	-	-	-	-	-	-	-	-	-	-	-
Biodiesel Production	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
Total	-	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-337

PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Energy Savings by Fuel Type and Year, Total Estimates, in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	7,764 (9,005)	15,848 (16,054)	16,763 (15,611)	17,244 (16,245)	17,731 (16,888)	17,674 (16,817)	102,279 (94,297)	20,554 (16,690)	-	-	215,858 (199,640)
Natural Gas, Units=KTher ms	451* (609)	490 (578)	498 (576)	501 (580)	501 (580)	501 (580)	2,092 (2,403)	305 (211)	-	-	5,339 (6,107)
Oil, Units=KTher ms	-	-	-	-	-	-	-	-	-	-	-
Propane, Units=KTher ms	-	3 (3)	3 (3)	3 (3)	3 (3)	3 (3)	20 (23)	8 (10)	-	-	42 (50)
Kerosene, Units=KTher ms	-	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Diesel, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Other, Units=Site MMBtu	-	60 (71)	60 (71)	60 (71)	60 (71)	60 (71)	361 (427)	-	-	-	662 (783)
Total, Units=Site	71,633* (91,594)	103,427 (112,210)	107,326 (110,116)	109,248 (112,711)	110,909 (114,956)	110,716 (114,709)	560,556 (559,601)	101,478 (77,358)	-	-	1,275,293 (1,283,816)

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
MMBtu											)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-338 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Energy Savings by Fuel Type and Year, Total Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	88,483 (102,626)	180,608 (182,950)	191,035 (177,908)	196,516 (185,129)	202,064 (192,460)	201,418 (191,649)	1,165,582 (1,074,620)	234,234 (190,202)	-	-	2,459,940 (2,275,115)
Natural Gas	47,262* (63,739)	51,305 (60,531)	52,119 (60,306)	52,413 (60,707)	52,413 (60,707)	52,413 (60,707)	219,060 (251,555)	31,974 (22,116)	-	-	558,960 (639,369)
Oil	-	-	-	-	-	-	-	-	-	-	-
Propane	-	291 (344)	291 (344)	291 (344)	291 (344)	291 (344)	1,997 (2,360)	814 (962)	-	-	4,265 (5,042)
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	-	-	-	-	-	-	-	-	-
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-	-	-	-	-	-
Other	-	60 (71)	60 (71)	60 (71)	60 (71)	60 (71)	361 (427)	-	-	-	662 (783)
Total	135,745 (166,343)	232,264 (242,861)	243,506 (236,986)	249,280 (244,700)	254,829 (252,121)	254,182 (251,303)	1,387,000 (1,322,515)	267,022 (211,303)	-	-	3,023,828 (2,901,860)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-339 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Energy Savings by Fuel Type and Year, Average per Year Estimates, in Original Site Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	2008-2029	7,764 (9,005)	15,848 (16,054)	16,763 (15,611)	17,244 (16,245)	17,731 (16,888)	17,674 (16,817)	14,611 (13,471)	2,284 (1,854)	-	-	9,812 (9,075)
Natural Gas, Units=KTherms	2008-2030	451* (609)	490 (578)	498 (576)	501 (580)	501 (580)	501 (580)	299 (343)	31 (21)	-	-	232 (266)
Oil, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Propane, Units=KTherms	2009-2023	-	3 (3)	3 (3)	3 (3)	3 (3)	3 (3)	3 (3)	3 (3)	-	-	3 (3)
Kerosene, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Diesel, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Other, Units=Site MMBtu	2009-2019	-	60 (71)	60 (71)	60 (71)	60 (71)	60 (71)	60 (71)	-	-	-	60 (71)
Total,	2008-	71,633*	103,427	107,326	109,248	110,909	110,716	80,079	10,148	-	-	55,448

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Units=Site MMBtu	2030	(91,594)	(112,210)	(110,116)	(112,711)	(114,956)	(114,709)	(79,943)	(7,736)			(55,818)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-340 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Energy Savings by Fuel Type and Year, Average per Year Estimates, in Source MMBtu Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	2008-2029	88,483 (102,626)	180,608 (182,950)	191,035 (177,908)	196,516 (185,129)	202,064 (192,460)	201,418 (191,649)	166,512 (153,517)	26,026 (21,134)	-	-	111,815 (103,414)
Natural Gas	2008-2030	47,262* (63,739)	51,305 (60,531)	52,119 (60,306)	52,413 (60,707)	52,413 (60,707)	52,413 (60,707)	31,294 (35,936)	3,197 (2,212)	-	-	24,303 (27,799)
Oil	n/a	-	-	-	-	-	-	-	-	-	-	-
Propane	2009-2023	-	291 (344)	291 (344)	291 (344)	291 (344)	291 (344)	285 (337)	271 (321)	-	-	284 (336)
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-	-
Other	2009-2019	-	60 (71)	60 (71)	60 (71)	60 (71)	60 (71)	60 (71)	-	-	-	60 (71)
Total	2008-2030	135,745 (166,343)	232,264 (242,861)	243,506 (236,986)	249,280 (244,700)	254,829 (252,121)	254,182 (251,303)	198,143 (188,931)	26,702 (21,130)	-	-	131,471 (126,168)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.



Table K-341 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Energy Savings by Fuel Type and Year, Row Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	3.6% (1.2%)	7.3% (1.0%)	7.8% (0.1%)	8.0% (0.3%)	8.2% (0.4%)	8.2% (0.4%)	47.4% (0.6%)	9.5% (3.7%)	-	-	100.0% (0.0%)
Natural Gas	8.5% (1.8%)	9.2% (0.6%)	9.3% (0.3%)	9.4% (0.3%)	9.4% (0.3%)	9.4% (0.3%)	39.2% (0.9%)	5.7% (2.9%)	-	-	100.0% (0.0%)
Oil	-	-	-	-	-	-	-	-	-	-	-
Propane	-	6.8% (0.0%)	6.8% (0.0%)	6.8% (0.0%)	6.8% (0.0%)	6.8% (0.0%)	46.8% (0.0%)	19.1% (0.0%)	-	-	100.0% (0.0%)
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	-	-	-	-	-	-	-	-	-
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-	-	-	-	-	-
Other	-	9.1% (0.0%)	9.1% (0.0%)	9.1% (0.0%)	9.1% (0.0%)	9.1% (0.0%)	54.5% (0.0%)	-	-	-	100.0% (0.0%)
Total	4.5% (1.6%)	7.7% (1.0%)	8.1% (0.2%)	8.2% (0.3%)	8.4% (0.4%)	8.4% (0.4%)	45.9% (0.3%)	8.8% (3.7%)	-	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-342 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Energy Savings by Fuel Type and Year, Column Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	65.2% (4.4%)	77.8% (4.2%)	78.5% (5.5%)	78.8% (5.2%)	79.3% (4.9%)	79.2% (4.9%)	84.0% (3.9%)	87.7% (3.2%)	-	-	81.4% (4.7%)
Natural Gas	34.8% (4.4%)	22.1% (4.3%)	21.4% (5.7%)	21.0% (5.4%)	20.6% (5.1%)	20.6% (5.1%)	15.8% (4.1%)	12.0% (3.5%)	-	-	18.5% (4.9%)
Oil	-	-	-	-	-	-	-	-	-	-	-
Propane	-	0.1%* (0.2%)	0.1%* (0.2%)	0.1%* (0.2%)	0.1%* (0.2%)	0.1%* (0.2%)	0.1%* (0.2%)	0.3% (0.3%)	-	-	0.1%* (0.2%)
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	-	-	-	-	-	-	-	-	-
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
Total	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	-	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-343 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Energy Savings by Sector and Year, Total Estimates, in Site MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	-	-	-	-	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-	-	-	-	-
Industrial	1,061 (1,254)	4,270 (5,047)	4,270 (5,047)	4,270 (5,047)	4,270 (5,047)	4,270 (5,047)	17,687 (20,905)	5,383 (6,363)	-	-	45,482 (53,758)
Public Institutional	29,246 (35,318)	47,807 (44,501)	52,545 (45,264)	53,290 (46,164)	53,934 (46,946)	53,851 (46,854)	286,435 (236,753)	65,974 (55,990)	-	-	643,081 (542,230)
Private Institutional	41,326* (56,403)	51,350* (70,083)	50,511* (68,938)	51,688* (70,545)	52,706* (71,934)	52,595* (71,782)	256,434* (349,985)	30,121* (41,109)	-	-	586,730* (800,779)
Total	71,633* (91,594)	103,427 (112,210)	107,326 (110,116)	109,248 (112,711)	110,909 (114,956)	110,716 (114,709)	560,556 (559,601)	101,478 (77,358)	-	-	1,275,293 (1,283,816)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

Table K-344 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Energy Savings by Sector and Year, Total Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	-	-	-	-	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-	-	-	-	-
Industrial	3,543 (4,188)	7,094 (8,384)	7,094 (8,384)	7,094 (8,384)	7,094 (8,384)	7,094 (8,384)	36,770 (43,461)	6,224 (7,356)	-	-	82,005 (96,928)
Public Institutional	56,823 (64,070)	113,161 (97,247)	126,961 (100,640)	129,198 (103,154)	131,348 (105,598)	131,071 (105,303)	740,362 (575,658)	180,850 (151,363)	-	-	1,609,773 (1,269,751)
Private Institutional	75,379* (102,879)	112,009* (152,872)	109,451* (149,381)	112,988* (154,208)	116,387* (158,847)	116,017* (158,343)	609,868* (832,359)	79,948* (109,115)	-	-	1,332,049* (1,818,004)
Total	135,745 (166,343)	232,264 (242,861)	243,506 (236,986)	249,280 (244,700)	254,829 (252,121)	254,182 (251,303)	1,387,000 (1,322,515)	267,022 (211,303)	-	-	3,023,828 (2,901,860)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-345 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Energy Savings by Sector and Year, Average per Year Estimates, in Site MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	-	-	-	-	-	-	-	-	-	-
Commercial	n/a	-	-	-	-	-	-	-	-	-	-	-
Industrial	2008-2028	1,061 (1,254)	4,270 (5,047)	4,270 (5,047)	4,270 (5,047)	4,270 (5,047)	4,270 (5,047)	2,527 (2,986)	673 (795)	-	-	2,166 (2,560)
Public Institutional	2008-2030	29,246 (35,318)	47,807 (44,501)	52,545 (45,264)	53,290 (46,164)	53,934 (46,946)	53,851 (46,854)	40,919 (33,822)	6,597 (5,599)	-	-	27,960 (23,575)
Private Institutional	2008-2030	41,326* (56,403)	51,350* (70,083)	50,511* (68,938)	51,688* (70,545)	52,706* (71,934)	52,595* (71,782)	36,633* (49,998)	3,012* (4,111)	-	-	25,510* (34,816)
Total	2008-2030	71,633* (91,594)	103,427 (112,210)	107,326 (110,116)	109,248 (112,711)	110,909 (114,956)	110,716 (114,709)	80,079 (79,943)	10,148 (7,736)	-	-	55,448 (55,818)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-346 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Energy Savings by Sector and Year, Average per Year Estimates, in Source MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	-	-	-	-	-	-	-	-	-	-
Commercial	n/a	-	-	-	-	-	-	-	-	-	-	-
Industrial	2008-2028	3,543 (4,188)	7,094 (8,384)	7,094 (8,384)	7,094 (8,384)	7,094 (8,384)	7,094 (8,384)	5,253 (6,209)	778 (920)	-	-	3,905 (4,616)
Public Institutional	2008-2030	56,823 (64,070)	113,161 (97,247)	126,961 (100,640)	129,198 (103,154)	131,348 (105,598)	131,071 (105,303)	105,766 (82,237)	18,085 (15,136)	-	-	69,990 (55,207)
Private Institutional	2008-2030	75,379* (102,879)	112,009* (152,872)	109,451* (149,381)	112,988* (154,208)	116,387* (158,847)	116,017* (158,343)	87,124* (118,908)	7,995* (10,911)	-	-	57,915* (79,044)
Total	2008-2030	135,745 (166,343)	232,264 (242,861)	243,506 (236,986)	249,280 (244,700)	254,829 (252,121)	254,182 (251,303)	198,143 (188,931)	26,702 (21,130)	-	-	131,471 (126,168)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-347 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Energy Savings by Sector and Year, Row Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	-	-	-	-	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-	-	-	-	-
Industrial	4.3% (0.0%)	8.7% (0.0%)	8.7% (0.0%)	8.7% (0.0%)	8.7% (0.0%)	8.7% (0.0%)	44.8% (0.0%)	7.6% (0.0%)	-	-	100.0% (0.0%)
Public Institutional	3.5% (2.1%)	7.0% (1.3%)	7.9% (0.3%)	8.0% (0.4%)	8.2% (0.5%)	8.1% (0.5%)	46.0% (0.5%)	11.2% (4.9%)	-	-	100.0% (0.0%)
Private Institutional	5.7% (0.0%)	8.4% (0.0%)	8.2% (0.0%)	8.5% (0.0%)	8.7% (0.0%)	8.7% (0.0%)	45.8% (0.0%)	6.0% (0.0%)	-	-	100.0% (0.0%)
Total	4.5% (1.6%)	7.7% (1.0%)	8.1% (0.2%)	8.2% (0.3%)	8.4% (0.4%)	8.4% (0.4%)	45.9% (0.3%)	8.8% (3.7%)	-	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-348

PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Energy Savings by Sector and Year, Column Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	-	-	-	-	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-	-	-	-	-
Industrial	2.6%* (4.5%)	3.1%* (5.1%)	2.9%* (4.9%)	2.8%* (4.8%)	2.8%* (4.7%)	2.8%* (4.7%)	2.7%* (4.5%)	2.3%* (4.2%)	-	-	2.7%* (4.6%)
Public Institutional	41.9% (7.0%)	48.7% (16.9%)	52.1% (20.5%)	51.8% (20.2%)	51.5% (19.9%)	51.6% (19.9%)	53.4% (21.6%)	67.7% (28.4%)	-	-	53.2% (21.5%)
Private Institutional	55.5% (8.1%)	48.2% (17.4%)	44.9% (20.7%)	45.3% (20.4%)	45.7% (20.1%)	45.6% (20.1%)	44.0% (21.7%)	29.9% (27.1%)	-	-	44.1% (21.5%)
Total	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	-	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-349 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Energy Savings by Fuel Type and Sector, Total Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity, Units=MWh	-	-	4,399 (5,200)	119,718 (90,555)	91,741* (125,210)	215,858 (199,640)
Natural Gas, Units=KTherms	-	-	298 (352)	2,304 (2,458)	2,737* (3,735)	5,339 (6,107)
Oil, Units=KTherms	-	-	-	-	-	-
Propane, Units=KTherms	-	-	-	42 (50)	-	42 (50)
Kerosene, Units=KTherms	-	-	-	-	-	-
Wood, Units=Site MMBtu	-	-	-	-	-	-
Diesel, Units=Site MMBtu	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	-	-	-	-	-	-
Other, Units=Site MMBtu	-	-	662 (783)	-	-	662 (783)
Total,	-	-	45,482	643,081	586,730*	1,275,293

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Units=Site MMBtu			(53,758)	(542,230)	(800,779)	(1,283,816)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-350 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Energy Savings by Fuel Type and Sector, Total Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	-	-	50,134 (59,256)	1,364,317 (1,031,972)	1,045,489* (1,426,902)	2,459,940 (2,275,115)
Natural Gas	-	-	31,209 (36,889)	241,190 (257,312)	286,560* (391,102)	558,960 (639,369)
Oil	-	-	-	-	-	-
Propane	-	-	-	4,265 (5,042)	-	4,265 (5,042)
Kerosene	-	-	-	-	-	-
Wood	-	-	-	-	-	-
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-
Other	-	-	662 (783)	-	-	662 (783)
Total	-	-	82,005 (96,928)	1,609,773 (1,269,751)	1,332,049* (1,818,004)	3,023,828 (2,901,860)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

""*"" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-351 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Energy Savings by Fuel Type and Sector, Average per Year Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity, Units=MWh	-	-	259 (306)	5,442 (4,116)	4,369* (5,962)	9,812 (9,075)
Natural Gas, Units=KTherms	-	-	15 (18)	100 (107)	119* (162)	232 (266)
Oil, Units=KTherms	-	-	-	-	-	-
Propane, Units=KTherms	-	-	-	3 (3)	-	3 (3)
Kerosene, Units=KTherms	-	-	-	-	-	-
Wood, Units=Site MMBtu	-	-	-	-	-	-
Diesel, Units=Site MMBtu	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	-	-	-	-	-	-
Other, Units=Site MMBtu	-	-	60 (71)	-	-	60 (71)
Total,	-	-	2,166	27,960	25,510*	55,448

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Units=Site MMBtu			(2,560)	(23,575)	(34,816)	(55,818)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-352 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Energy Savings by Fuel Type and Sector, Average per Year Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	-	-	2,949 (3,486)	62,014 (46,908)	49,785* (67,948)	111,815 (103,414)
Natural Gas	-	-	1,560 (1,844)	10,487 (11,187)	12,459* (17,004)	24,303 (27,799)
Oil	-	-	-	-	-	-
Propane	-	-	-	284 (336)	-	284 (336)
Kerosene	-	-	-	-	-	-
Wood	-	-	-	-	-	-
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-
Other	-	-	60 (71)	-	-	60 (71)
Total	-	-	3,905 (4,616)	69,990 (55,207)	57,915* (79,044)	131,471 (126,168)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-353 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Energy Savings by Fuel Type and Sector, Row Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	-	-	2.0%* (3.5%)	55.5% (23.2%)	42.5% (23.2%)	100.0% (0.0%)
Natural Gas	-	-	5.6%* (9.4%)	43.1% (11.2%)	51.3% (11.8%)	100.0% (0.0%)
Oil	-	-	-	-	-	-
Propane	-	-	-	100.0% (0.0%)	-	100.0% (0.0%)
Kerosene	-	-	-	-	-	-
Wood	-	-	-	-	-	-
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-
Other	-	-	100.0% (0.0%)	-	-	100.0% (0.0%)
Total	-	-	2.7%* (4.6%)	53.2% (21.5%)	44.1% (21.5%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-354 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Energy Savings by Fuel Type and Sector, Column Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	-	-	61.1% (0.0%)	84.8% (6.4%)	78.5% (0.0%)	81.4% (4.7%)
Natural Gas	-	-	38.1% (0.0%)	15.0% (6.7%)	21.5% (0.0%)	18.5% (4.9%)
Oil	-	-	-	-	-	-
Propane	-	-	-	0.3% (0.2%)	-	0.1%* (0.2%)
Kerosene	-	-	-	-	-	-
Wood	-	-	-	-	-	-
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-
Other	-	-	0.8% (0.0%)	-	-	-
Total	-	-	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-355 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Renewable Generation by Fuel Type and Year, Total Estimates, in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated, Units=MWh	-	45 (54)	45 (54)	45 (54)	45 (54)	45 (54)	318 (376)	455 (538)	136 (161)	-	1,137 (1,344)
Methane Produced, Units=KTherms	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	-	-	-	-	-	-	-	-	-	-	-
Biodiesel Production, Units=KTherms	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Other, Units=Site	-	-	-	-	-	-	-	-	-	-	-

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
MMBtu											
Total, Units=Site MMBtu	-	155 (183)	155 (183)	155 (183)	155 (183)	155 (183)	1,086 (1,284)	1,552 (1,834)	466 (550)	-	3,880 (4,586)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-356 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Renewable Generation by Fuel Type and Year, Total Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	-	155 (183)	155 (183)	155 (183)	155 (183)	155 (183)	1,086 (1,284)	1,552 (1,834)	466 (550)	-	3,880 (4,586)
Methane Produced	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	-	-	-	-	-	-	-	-	-	-	-
Biodiesel Production	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
Total	-	155 (183)	155 (183)	155 (183)	155 (183)	155 (183)	1,086 (1,284)	1,552 (1,834)	466 (550)	-	3,880 (4,586)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-357

PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Renewable Generation by Fuel Type and Year, Average per Year Estimates, in Original Site Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated, Units=MWh	2009-2033	-	45 (54)	45 (54)	45 (54)	45 (54)	45 (54)	45 (54)	45 (54)	45 (54)	-	45 (54)
Methane Produced, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Biodiesel Production, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Other,	n/a	-	-	-	-	-	-	-	-	-	-	-

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Units=Site MMBtu												
Total, Units=Site MMBtu	2009- 2033	-	155 (183)	155 (183)	155 (183)	155 (183)	155 (183)	155 (183)	155 (183)	155 (183)	-	155 (183)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-358 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Renewable Generation by Fuel Type and Year, Average per Year Estimates, in Source MMBtu Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	2009-2033	-	155 (183)	155 (183)	155 (183)	155 (183)	155 (183)	155 (183)	155 (183)	155 (183)	-	155 (183)
Methane Produced	n/a	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	-	-	-	-	-	-	-	-	-	-
Biodiesel Production	n/a	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production	n/a	-	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-	-
Total	2009-2033	-	155 (183)	155 (183)	155 (183)	155 (183)	155 (183)	155 (183)	155 (183)	155 (183)	-	155 (183)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.



Table K-359 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Renewable Generation by Fuel Type and Year, Row Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	-	4.0% (0.0%)	4.0% (0.0%)	4.0% (0.0%)	4.0% (0.0%)	4.0% (0.0%)	28.0% (0.0%)	40.0% (0.0%)	12.0% (0.0%)	-	100.0% (0.0%)
Methane Produced	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	-	-	-	-	-	-	-	-	-	-	-
Biodiesel Production	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
Total	-	4.0% (0.0%)	4.0% (0.0%)	4.0% (0.0%)	4.0% (0.0%)	4.0% (0.0%)	28.0% (0.0%)	40.0% (0.0%)	12.0% (0.0%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-360 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Renewable Generation by Fuel Type and Year, Column Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	-	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	-	100.0% (0.0%)
Methane Produced	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	-	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	-	-	-	-	-	-	-	-	-	-	-
Biodiesel Production	-	-	-	-	-	-	-	-	-	-	-
Ethanol Production	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
Total	-	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-361 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Renewable Generation by Sector and Year, Total Estimates, in Site MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	-	-	-	-	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-	-	-	-	-
Industrial	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	-	155 (183)	155 (183)	155 (183)	155 (183)	155 (183)	1,086 (1,284)	1,552 (1,834)	466 (550)	-	3,880 (4,586)
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	-	155 (183)	155 (183)	155 (183)	155 (183)	155 (183)	1,086 (1,284)	1,552 (1,834)	466 (550)	-	3,880 (4,586)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

Table K-362 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Renewable Generation by Sector and Year, Total Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	-	-	-	-	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-	-	-	-	-
Industrial	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	-	155 (183)	155 (183)	155 (183)	155 (183)	155 (183)	1,086 (1,284)	1,552 (1,834)	466 (550)	-	3,880 (4,586)
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	-	155 (183)	155 (183)	155 (183)	155 (183)	155 (183)	1,086 (1,284)	1,552 (1,834)	466 (550)	-	3,880 (4,586)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-363 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Renewable Generation by Sector and Year, Average per Year Estimates, in Site MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	-	-	-	-	-	-	-	-	-	-
Commercial	n/a	-	-	-	-	-	-	-	-	-	-	-
Industrial	n/a	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	2009-2033	-	155 (183)	155 (183)	155 (183)	155 (183)	155 (183)	155 (183)	155 (183)	155 (183)	-	155 (183)
Private Institutional	n/a	-	-	-	-	-	-	-	-	-	-	-
Total	2009-2033	-	155 (183)	155 (183)	155 (183)	155 (183)	155 (183)	155 (183)	155 (183)	155 (183)	-	155 (183)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-364 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Renewable Generation by Sector and Year, Average per Year Estimates, in Source MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	-	-	-	-	-	-	-	-	-	-
Commercial	n/a	-	-	-	-	-	-	-	-	-	-	-
Industrial	n/a	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	2009-2033	-	155 (183)	155 (183)	155 (183)	155 (183)	155 (183)	155 (183)	155 (183)	155 (183)	-	155 (183)
Private Institutional	n/a	-	-	-	-	-	-	-	-	-	-	-
Total	2009-2033	-	155 (183)	155 (183)	155 (183)	155 (183)	155 (183)	155 (183)	155 (183)	155 (183)	-	155 (183)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-365 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Renewable Generation by Sector and Year, Row Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	-	-	-	-	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-	-	-	-	-
Industrial	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	-	4.0% (0.0%)	4.0% (0.0%)	4.0% (0.0%)	4.0% (0.0%)	4.0% (0.0%)	28.0% (0.0%)	40.0% (0.0%)	12.0% (0.0%)	-	100.0% (0.0%)
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	-	4.0% (0.0%)	4.0% (0.0%)	4.0% (0.0%)	4.0% (0.0%)	4.0% (0.0%)	28.0% (0.0%)	40.0% (0.0%)	12.0% (0.0%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-366 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Renewable Generation by Sector and Year, Column Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	-	-	-	-	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-	-	-	-	-
Industrial	-	-	-	-	-	-	-	-	-	-	-
Public Institutional	-	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	-	100.0% (0.0%)
Private Institutional	-	-	-	-	-	-	-	-	-	-	-
Total	-	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-367 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Renewable Generation by Fuel Type and Sector, Total Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated, Units=MWh	-	-	-	1,137 (1,344)	-	1,137 (1,344)
Methane Produced, Units=KTherms	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	-	-	-	-	-	-
Biodiesel Production, Units=KTherms	-	-	-	-	-	-
Ethanol Production, Units=Site MMBtu	-	-	-	-	-	-
Other,	-	-	-	-	-	-

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Units=Site MMBtu						
Total, Units=Site MMBtu	-	-	-	3,880 (4,586)	-	3,880 (4,586)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-368 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Renewable Generation by Fuel Type and Sector, Total Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated	-	-	-	3,880 (4,586)	-	3,880 (4,586)
Methane Produced	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	-	-	-	-	-	-
Biodiesel Production	-	-	-	-	-	-
Ethanol Production	-	-	-	-	-	-
Other	-	-	-	-	-	-
Total	-	-	-	3,880 (4,586)	-	3,880 (4,586)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-369 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Renewable Generation by Fuel Type and Sector, Average per Year Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated, Units=MWh	-	-	-	45 (54)	-	45 (54)
Methane Produced, Units=KTherms	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	-	-	-	-	-	-
Biodiesel Production, Units=KTherms	-	-	-	-	-	-
Ethanol Production, Units=Site MMBtu	-	-	-	-	-	-
Other,	-	-	-	-	-	-

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Units=Site MMBtu						
Total, Units=Site MMBtu	-	-	-	155 (183)	-	155 (183)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-370 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Renewable Generation by Fuel Type and Sector, Average per Year Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated	-	-	-	155 (183)	-	155 (183)
Methane Produced	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	-	-	-	-	-	-
Biodiesel Production	-	-	-	-	-	-
Ethanol Production	-	-	-	-	-	-
Other	-	-	-	-	-	-
Total	-	-	-	155 (183)	-	155 (183)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-371 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Renewable Generation by Fuel Type and Sector, Row Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated	-	-	-	100.0% (0.0%)	-	100.0% (0.0%)
Methane Produced	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	-	-	-	-	-	-
Biodiesel Production	-	-	-	-	-	-
Ethanol Production	-	-	-	-	-	-
Other	-	-	-	-	-	-
Total	-	-	-	100.0% (0.0%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-372 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Renewable Generation by Fuel Type and Sector, Column Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated	-	-	-	100.0% (0.0%)	-	100.0% (0.0%)
Methane Produced	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	-	-	-	-	-	-
Biodiesel Production	-	-	-	-	-	-
Ethanol Production	-	-	-	-	-	-
Other	-	-	-	-	-	-
Total	-	-	-	100.0% (0.0%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-373 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Year, Total Estimates, in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	7,764 (9,005)	15,894 (16,063)	16,809 (15,626)	17,290 (16,259)	17,777 (16,902)	17,720 (16,830)	102,598 (94,400)	21,009 (17,051)	136 (161)	-	216,996 (200,025)
Natural Gas, Units=KTher ms	451* (609)	490 (578)	498 (576)	501 (580)	501 (580)	501 (580)	2,092 (2,403)	305 (211)	-	-	5,339 (6,107)
Oil, Units=KTher ms	-	-	-	-	-	-	-	-	-	-	-
Propane, Units=KTher ms	-	3 (3)	3 (3)	3 (3)	3 (3)	3 (3)	20 (23)	8 (10)	-	-	42 (50)
Kerosene, Units=KTher ms	-	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Diesel, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Other, Units=Site MMBtu	-	60 (71)	60 (71)	60 (71)	60 (71)	60 (71)	361 (427)	-	-	-	662 (783)
Total,	71,633*	103,582	107,482	109,403	111,064	110,871	561,642	103,030	466	-	1,279,173

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Units=Site MMBtu	(91,594)	(112,227)	(110,144)	(112,738)	(114,982)	(114,735)	(559,847)	(78,446)	(550)		(1,284,643)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-374 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Year, Total Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	88,483 (102,626)	181,126 (183,061)	191,554 (178,071)	197,034 (185,286)	202,583 (192,611)	201,936 (191,801)	1,169,210 (1,075,791)	239,417 (194,316)	1,555 (1,838)	-	2,472,898 (2,279,498)
Natural Gas	47,262* (63,739)	51,305 (60,531)	52,119 (60,306)	52,413 (60,707)	52,413 (60,707)	52,413 (60,707)	219,060 (251,555)	31,974 (22,116)	-	-	558,960 (639,369)
Oil	-	-	-	-	-	-	-	-	-	-	-
Propane	-	291 (344)	291 (344)	291 (344)	291 (344)	291 (344)	1,997 (2,360)	814 (962)	-	-	4,265 (5,042)
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	-	-	-	-	-	-	-	-	-
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-	-	-	-	-	-
Other	-	60 (71)	60 (71)	60 (71)	60 (71)	60 (71)	361 (427)	-	-	-	662 (783)
Total	135,745 (166,343)	232,782 (242,947)	244,024 (237,115)	249,798 (244,824)	255,347 (252,242)	254,700 (251,424)	1,390,629 (1,323,533)	272,205 (215,238)	1,555 (1,838)	-	3,036,786 (2,905,500)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"**" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.



Table K-375 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Year, Average per Year Estimates, in Original Site Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	2008-2033	7,764 (9,005)	15,894 (16,063)	16,809 (15,626)	17,290 (16,259)	17,777 (16,902)	17,720 (16,830)	14,657 (13,486)	2,101 (1,705)	45 (54)	-	8,346 (7,693)
Natural Gas, Units=KTherms	2008-2030	451* (609)	490 (578)	498 (576)	501 (580)	501 (580)	501 (580)	299 (343)	31 (21)	-	-	232 (266)
Oil, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Propane, Units=KTherms	2009-2023	-	3 (3)	3 (3)	3 (3)	3 (3)	3 (3)	3 (3)	3 (3)	-	-	3 (3)
Kerosene, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Diesel, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-	-
Other, Units=Site MMBtu	2009-2019	-	60 (71)	60 (71)	60 (71)	60 (71)	60 (71)	60 (71)	-	-	-	60 (71)

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Total, Units=Site MMBtu	2008- 2033	71,633* (91,594)	103,582 (112,227)	107,482 (110,144)	109,403 (112,738)	111,064 (114,982)	110,871 (114,735)	80,235 (79,978)	10,303 (7,845)	155 (183)	-	49,199 (49,409)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-376 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Year, Average per Year Estimates, in Source MMBtu Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	2008-2033	88,483 (102,626)	181,126 (183,061)	191,554 (178,071)	197,034 (185,286)	202,583 (192,611)	201,936 (191,801)	167,030 (153,684)	23,942 (19,432)	518 (613)	-	95,111 (87,673)
Natural Gas	2008-2030	47,262* (63,739)	51,305 (60,531)	52,119 (60,306)	52,413 (60,707)	52,413 (60,707)	52,413 (60,707)	31,294 (35,936)	3,197 (2,212)	-	-	24,303 (27,799)
Oil	n/a	-	-	-	-	-	-	-	-	-	-	-
Propane	2009-2023	-	291 (344)	291 (344)	291 (344)	291 (344)	291 (344)	285 (337)	271 (321)	-	-	284 (336)
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-	-
Other	2009-2019	-	60 (71)	60 (71)	60 (71)	60 (71)	60 (71)	60 (71)	-	-	-	60 (71)
Total	2008-2033	135,745 (166,343)	232,782 (242,947)	244,024 (237,115)	249,798 (244,824)	255,347 (252,242)	254,700 (251,424)	198,661 (189,076)	27,221 (21,524)	518 (613)	-	116,799 (111,750)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.



Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-377 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Year, Row Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	3.6% (1.3%)	7.3% (1.0%)	7.7% (0.2%)	8.0% (0.3%)	8.2% (0.4%)	8.2% (0.4%)	47.3% (0.7%)	9.7% (3.9%)	0.1%* (0.1%)	-	100.0% (0.0%)
Natural Gas	8.5% (1.8%)	9.2% (0.6%)	9.3% (0.3%)	9.4% (0.3%)	9.4% (0.3%)	9.4% (0.3%)	39.2% (0.9%)	5.7% (2.9%)	-	-	100.0% (0.0%)
Oil	-	-	-	-	-	-	-	-	-	-	-
Propane	-	6.8% (0.0%)	6.8% (0.0%)	6.8% (0.0%)	6.8% (0.0%)	6.8% (0.0%)	46.8% (0.0%)	19.1% (0.0%)	-	-	100.0% (0.0%)
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	-	-	-	-	-	-	-	-	-
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-	-	-	-	-	-
Other	-	9.1% (0.0%)	9.1% (0.0%)	9.1% (0.0%)	9.1% (0.0%)	9.1% (0.0%)	54.5% (0.0%)	-	-	-	100.0% (0.0%)
Total	4.5% (1.6%)	7.7% (1.0%)	8.0% (0.3%)	8.2% (0.4%)	8.4% (0.4%)	8.4% (0.4%)	45.8% (0.2%)	9.0% (3.9%)	0.1%* (0.1%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-378 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Year, Column Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	65.2% (4.4%)	77.8% (4.2%)	78.5% (5.6%)	78.9% (5.3%)	79.3% (5.0%)	79.3% (5.0%)	84.1% (4.0%)	88.0% (3.3%)	100.0% (0.0%)	-	81.4% (4.8%)
Natural Gas	34.8% (4.4%)	22.0% (4.4%)	21.4% (5.7%)	21.0% (5.4%)	20.5% (5.1%)	20.6% (5.1%)	15.8% (4.1%)	11.7% (3.6%)	-	-	18.4% (5.0%)
Oil	-	-	-	-	-	-	-	-	-	-	-
Propane	-	0.1%* (0.2%)	0.1%* (0.2%)	0.1%* (0.2%)	0.1%* (0.2%)	0.1%* (0.2%)	0.1%* (0.2%)	0.3% (0.3%)	-	-	0.1%* (0.2%)
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	-	-	-	-	-	-	-	-	-
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
Total	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-379 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and Year, Total Estimates, in Site MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	-	-	-	-	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-	-	-	-	-
Industrial	1,061 (1,254)	4,270 (5,047)	4,270 (5,047)	4,270 (5,047)	4,270 (5,047)	4,270 (5,047)	17,687 (20,905)	5,383 (6,363)	-	-	45,482 (53,758)
Public Institutional	29,246 (35,318)	47,962 (44,566)	52,701 (45,350)	53,445 (46,249)	54,089 (47,029)	54,006 (46,937)	287,522 (237,449)	67,526 (57,687)	466 (550)	-	646,961 (544,640)
Private Institutional	41,326* (56,403)	51,350* (70,083)	50,511* (68,938)	51,688* (70,545)	52,706* (71,934)	52,595* (71,782)	256,434* (349,985)	30,121* (41,109)	-	-	586,730* (800,779)
Total	71,633* (91,594)	103,582 (112,227)	107,482 (110,144)	109,403 (112,738)	111,064 (114,982)	110,871 (114,735)	561,642 (559,847)	103,030 (78,446)	466 (550)	-	1,279,173 (1,284,643)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

Table K-380 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and Year, Total Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	-	-	-	-	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-	-	-	-	-
Industrial	3,543 (4,188)	7,094 (8,384)	7,094 (8,384)	7,094 (8,384)	7,094 (8,384)	7,094 (8,384)	36,770 (43,461)	6,224 (7,356)	-	-	82,005 (96,928)
Public Institutional	56,823 (64,070)	113,680 (97,514)	127,479 (100,992)	129,716 (103,499)	131,866 (105,934)	131,589 (105,640)	743,990 (578,315)	186,033 (157,097)	1,555 (1,838)	-	1,622,731 (1,279,208)
Private Institutional	75,379* (102,879)	112,009* (152,872)	109,451* (149,381)	112,988* (154,208)	116,387* (158,847)	116,017* (158,343)	609,868* (832,359)	79,948* (109,115)	-	-	1,332,049* (1,818,004)
Total	135,745 (166,343)	232,782 (242,947)	244,024 (237,115)	249,798 (244,824)	255,347 (252,242)	254,700 (251,424)	1,390,629 (1,323,533)	272,205 (215,238)	1,555 (1,838)	-	3,036,786 (2,905,500)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-381 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and Year, Average per Year Estimates, in Site MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	-	-	-	-	-	-	-	-	-	-
Commercial	n/a	-	-	-	-	-	-	-	-	-	-	-
Industrial	2008-2028	1,061 (1,254)	4,270 (5,047)	4,270 (5,047)	4,270 (5,047)	4,270 (5,047)	4,270 (5,047)	2,527 (2,986)	673 (795)	-	-	2,166 (2,560)
Public Institutional	2008-2033	29,246 (35,318)	47,962 (44,566)	52,701 (45,350)	53,445 (46,249)	54,089 (47,029)	54,006 (46,937)	41,075 (33,921)	6,753 (5,769)	155 (183)	-	24,883 (20,948)
Private Institutional	2008-2030	41,326* (56,403)	51,350* (70,083)	50,511* (68,938)	51,688* (70,545)	52,706* (71,934)	52,595* (71,782)	36,633* (49,998)	3,012* (4,111)	-	-	25,510* (34,816)
Total	2008-2033	71,633* (91,594)	103,582 (112,227)	107,482 (110,144)	109,403 (112,738)	111,064 (114,982)	110,871 (114,735)	80,235 (79,978)	10,303 (7,845)	155 (183)	-	49,199 (49,409)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-382 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and Year, Average per Year Estimates, in Source MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	-	-	-	-	-	-	-	-	-	-
Commercial	n/a	-	-	-	-	-	-	-	-	-	-	-
Industrial	2008-2028	3,543 (4,188)	7,094 (8,384)	7,094 (8,384)	7,094 (8,384)	7,094 (8,384)	7,094 (8,384)	5,253 (6,209)	778 (920)	-	-	3,905 (4,616)
Public Institutional	2008-2033	56,823 (64,070)	113,680 (97,514)	127,479 (100,992)	129,716 (103,499)	131,866 (105,934)	131,589 (105,640)	106,284 (82,616)	18,603 (15,710)	518 (613)	-	62,413 (49,200)
Private Institutional	2008-2030	75,379* (102,879)	112,009* (152,872)	109,451* (149,381)	112,988* (154,208)	116,387* (158,847)	116,017* (158,343)	87,124* (118,908)	7,995* (10,911)	-	-	57,915* (79,044)
Total	2008-2033	135,745 (166,343)	232,782 (242,947)	244,024 (237,115)	249,798 (244,824)	255,347 (252,242)	254,700 (251,424)	198,661 (189,076)	27,221 (21,524)	518 (613)	-	116,799 (111,750)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-383 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and Year, Row Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	-	-	-	-	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-	-	-	-	-
Industrial	4.3% (0.0%)	8.7% (0.0%)	8.7% (0.0%)	8.7% (0.0%)	8.7% (0.0%)	8.7% (0.0%)	44.8% (0.0%)	7.6% (0.0%)	-	-	100.0% (0.0%)
Public Institutional	3.5% (2.1%)	7.0% (1.3%)	7.9% (0.3%)	8.0% (0.5%)	8.1% (0.6%)	8.1% (0.6%)	45.8% (0.5%)	11.5% (5.1%)	0.1% (0.1%)	-	100.0% (0.0%)
Private Institutional	5.7% (0.0%)	8.4% (0.0%)	8.2% (0.0%)	8.5% (0.0%)	8.7% (0.0%)	8.7% (0.0%)	45.8% (0.0%)	6.0% (0.0%)	-	-	100.0% (0.0%)
Total	4.5% (1.6%)	7.7% (1.0%)	8.0% (0.3%)	8.2% (0.4%)	8.4% (0.4%)	8.4% (0.4%)	45.8% (0.2%)	9.0% (3.9%)	0.1%* (0.1%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-384 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and Year, Column Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	-	-	-	-	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-	-	-	-	-
Industrial	2.6%* (4.5%)	3.0%* (5.1%)	2.9%* (4.9%)	2.8%* (4.8%)	2.8%* (4.7%)	2.8%* (4.7%)	2.6%* (4.5%)	2.3%* (4.1%)	-	-	2.7%* (4.6%)
Public Institutional	41.9% (7.0%)	48.8% (17.0%)	52.2% (20.6%)	51.9% (20.3%)	51.6% (20.0%)	51.7% (20.0%)	53.5% (21.7%)	68.3% (28.4%)	100.0% (0.0%)	-	53.4% (21.7%)
Private Institutional	55.5% (8.1%)	48.1% (17.5%)	44.9% (20.8%)	45.2% (20.5%)	45.6% (20.2%)	45.6% (20.2%)	43.9% (21.7%)	29.4% (27.1%)	-	-	43.9% (21.6%)
Total	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-385 PY 2008 Period BPAC, Technical Assistance to Building Owners
 SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Total Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity, Units=MWh	-	-	4,399 (5,200)	120,855 (91,476)	91,741* (125,210)	216,996 (200,025)
Natural Gas, Units=KTherms	-	-	298 (352)	2,304 (2,458)	2,737* (3,735)	5,339 (6,107)
Oil, Units=KTherms	-	-	-	-	-	-
Propane, Units=KTherms	-	-	-	42 (50)	-	42 (50)
Kerosene, Units=KTherms	-	-	-	-	-	-
Wood, Units=Site MMBtu	-	-	-	-	-	-
Diesel, Units=Site MMBtu	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	-	-	-	-	-	-
Other, Units=Site MMBtu	-	-	662 (783)	-	-	662 (783)

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Total, Units=Site MMBtu	-	-	45,482 (53,758)	646,961 (544,640)	586,730* (800,779)	1,279,173 (1,284,643)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-386 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Total Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	-	-	50,134 (59,256)	1,377,275 (1,042,472)	1,045,489* (1,426,902)	2,472,898 (2,279,498)
Natural Gas	-	-	31,209 (36,889)	241,190 (257,312)	286,560* (391,102)	558,960 (639,369)
Oil	-	-	-	-	-	-
Propane	-	-	-	4,265 (5,042)	-	4,265 (5,042)
Kerosene	-	-	-	-	-	-
Wood	-	-	-	-	-	-
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-
Other	-	-	662 (783)	-	-	662 (783)
Total	-	-	82,005 (96,928)	1,622,731 (1,279,208)	1,332,049* (1,818,004)	3,036,786 (2,905,500)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-387

PY 2008 Period BPAC, Technical Assistance to Building Owners

SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Average per Year Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity, Units=MWh	-	-	259 (306)	4,648 (3,518)	4,369* (5,962)	8,346 (7,693)
Natural Gas, Units=KTherms	-	-	15 (18)	100 (107)	119* (162)	232 (266)
Oil, Units=KTherms	-	-	-	-	-	-
Propane, Units=KTherms	-	-	-	3 (3)	-	3 (3)
Kerosene, Units=KTherms	-	-	-	-	-	-
Wood, Units=Site MMBtu	-	-	-	-	-	-
Diesel, Units=Site MMBtu	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	-	-	-	-	-	-
Other, Units=Site MMBtu	-	-	60 (71)	-	-	60 (71)

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Total, Units=Site MMBtu	-	-	2,166 (2,560)	24,883 (20,948)	25,510* (34,816)	49,199 (49,409)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-388 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Average per Year Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	-	-	2,949 (3,486)	52,972 (40,095)	49,785* (67,948)	95,111 (87,673)
Natural Gas	-	-	1,560 (1,844)	10,487 (11,187)	12,459* (17,004)	24,303 (27,799)
Oil	-	-	-	-	-	-
Propane	-	-	-	284 (336)	-	284 (336)
Kerosene	-	-	-	-	-	-
Wood	-	-	-	-	-	-
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-
Other	-	-	60 (71)	-	-	60 (71)
Total	-	-	3,905 (4,616)	62,413 (49,200)	57,915* (79,044)	116,799 (111,750)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period. Estimates that round to zero during the impact period will not be displayed due to suppression.



Table K-389 PY 2008 Period BPAC, Technical Assistance to Building Owners
 SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Row Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	-	-	2.0%* (3.4%)	55.7% (23.4%)	42.3% (23.3%)	100.0% (0.0%)
Natural Gas	-	-	5.6%* (9.4%)	43.1% (11.2%)	51.3% (11.8%)	100.0% (0.0%)
Oil	-	-	-	-	-	-
Propane	-	-	-	100.0% (0.0%)	-	100.0% (0.0%)
Kerosene	-	-	-	-	-	-
Wood	-	-	-	-	-	-
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-
Other	-	-	100.0% (0.0%)	-	-	100.0% (0.0%)
Total	-	-	2.7%* (4.6%)	53.4% (21.7%)	43.9% (21.6%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-390 PY 2008 Period BPAC, Technical Assistance to Building Owners
 SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Column Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	-	-	61.1% (0.0%)	84.9% (6.5%)	78.5% (0.0%)	81.4% (4.8%)
Natural Gas	-	-	38.1% (0.0%)	14.9% (6.7%)	21.5% (0.0%)	18.4% (5.0%)
Oil	-	-	-	-	-	-
Propane	-	-	-	0.3% (0.2%)	-	0.1%* (0.2%)
Kerosene	-	-	-	-	-	-
Wood	-	-	-	-	-	-
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-
Other	-	-	0.8% (0.0%)	-	-	-
Total	-	-	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-391 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Bill Savings by Fuel Type and Year, Total Estimates, in Thousand 2009 Dollars

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	\$923	\$1,559	\$1,637	\$1,620	\$1,602	\$1,589	\$9,120	\$2,065	\$17	-	\$20,132
Natural Gas	\$526*	\$407	\$412	\$387	\$354	\$357	\$1,527	\$233	-	-	\$4,202
Oil	-	-	-	-	-	-	-	-	-	-	-
Propane	-	\$5	\$6	\$6	\$6	\$6	\$40	\$18	-	-	\$86
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	-	-	-	-	-	-	-	-	-
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-	-	-	-	-	-
Other	-	\$1	\$1	\$1	\$1	\$1	\$5	-	-	-	\$9
Total	\$1,449	\$1,972	\$2,055	\$2,013	\$1,962	\$1,952	\$10,693	\$2,315	\$17	-	\$24,429

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-392 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Bill Savings by Fuel Type and Year, Row Percent Estimates, in Thousand 2009 Dollars

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	4.6%	7.7%	8.1%	8.0%	8.0%	7.9%	45.3%	10.3%	0.1%*	-	100.0%
Natural Gas	12.5%	9.7%	9.8%	9.2%	8.4%	8.5%	36.3%	5.5%	-	-	100.0%
Oil	-	-	-	-	-	-	-	-	-	-	-
Propane	-	6.2%	6.6%	6.6%	6.6%	6.7%	46.7%	20.7%	-	-	100.0%
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	-	-	-	-	-	-	-	-	-
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-	-	-	-	-	-
Other	-	9.0%	8.9%	8.9%	8.9%	8.9%	55.5%	-	-	-	100.0%
Total	5.9%	8.1%	8.4%	8.2%	8.0%	8.0%	43.8%	9.5%	0.1%*	-	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-393 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Bill Savings by Fuel Type and Year, Column Percent Estimates, in Thousand 2009 Dollars

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	63.7%	79.0%	79.7%	80.5%	81.6%	81.4%	85.3%	89.2%	100.0%	-	82.4%
Natural Gas	36.3%	20.6%	20.0%	19.2%	18.0%	18.3%	14.3%	10.0%	-	-	17.2%
Oil	-	-	-	-	-	-	-	-	-	-	-
Propane	-	0.3%*	0.3%*	0.3%*	0.3%*	0.3%*	0.4%*	0.8%	-	-	0.4%*
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	-	-	-	-	-	-	-	-	-
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	-	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-394

PY 2008 Period BPAC, Technical Assistance to Building Owners

SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Fuel Type and Year, SEP-Attributable Energy in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	\$118.81	\$98.09	\$97.38	\$93.70	\$90.14	\$89.67	\$88.89	\$98.28	\$124.81	-	\$92.77
Natural Gas, Units=KTherms	\$1,165.44*	\$831.14	\$827.12	\$773.00	\$706.53	\$712.21	\$729.96	\$761.55	-	-	\$787.11
Oil, Units=KTherms	-	-	-	-	-	-	-	-	-	-	-
Propane, Units=KTherms	-	\$1,851.44	\$1,962.58	\$1,972.35	\$1,982.17	\$1,992.03	\$2,031.60	\$2,208.39	-	-	\$2,038.25
Kerosene, Units=KTherms	-	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Diesel, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	-	-	-	-	-	-	-	-	-	-	-
Other, Units=Site MMBtu	-	\$13.43	\$13.39	\$13.36	\$13.33	\$13.29	\$13.86	-	-	-	\$13.63
Total, Units=Site	\$20.22*	\$19.04	\$19.12	\$18.40	\$17.67	\$17.61	\$19.04	\$22.47	\$36.58	-	\$19.10

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
MMBtu											

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-395

PY 2008 Period BPAC, Technical Assistance to Building Owners

SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Fuel Type and Year, SEP-Attributable Energy in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	\$10.43	\$8.61	\$8.55	\$8.22	\$7.91	\$7.87	\$7.80	\$8.62	\$10.95	-	\$8.14
Natural Gas	\$11.13*	\$7.94	\$7.90	\$7.38	\$6.75	\$6.80	\$6.97	\$7.27	-	-	\$7.52
Oil	-	-	-	-	-	-	-	-	-	-	-
Propane	-	\$18.33	\$19.43	\$19.53	\$19.63	\$19.72	\$20.11	\$21.87	-	-	\$20.18
Kerosene	-	-	-	-	-	-	-	-	-	-	-
Wood	-	-	-	-	-	-	-	-	-	-	-
Diesel	-	-	-	-	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-	-	-	-	-	-
Other	-	\$13.43	\$13.39	\$13.36	\$13.33	\$13.29	\$13.86	-	-	-	\$13.63
Total	\$10.67	\$8.47	\$8.42	\$8.06	\$7.69	\$7.66	\$7.69	\$8.50	\$10.95	-	\$8.04

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-396 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Bill Savings by Sector and Year, Total Estimates, in Thousand 2009 Dollars

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	-	-	-	-	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-	-	-	-	-
Industrial	\$31	\$54	\$53	\$54	\$51	\$51	\$286	\$40	-	-	\$620
Public Institutional	\$610	\$1,029	\$1,153	\$1,129	\$1,113	\$1,107	\$6,286	\$1,739	\$17	-	\$14,184
Private Institutional	\$807*	\$889*	\$848*	\$831*	\$798*	\$794*	\$4,121*	\$536*	-	-	\$9,625*
Total	\$1,449	\$1,972	\$2,055	\$2,013	\$1,962	\$1,952	\$10,693	\$2,315	\$17	-	\$24,429

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-397 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Bill Savings by Sector and Year, Row Percent Estimates, in Thousand 2009 Dollars

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	-	-	-	-	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-	-	-	-	-
Industrial	5.1%	8.7%	8.6%	8.6%	8.2%	8.2%	46.1%	6.4%	-	-	100.0%
Public Institutional	4.3%	7.3%	8.1%	8.0%	7.8%	7.8%	44.3%	12.3%	0.1%	-	100.0%
Private Institutional	8.4%	9.2%	8.8%	8.6%	8.3%	8.2%	42.8%	5.6%	-	-	100.0%
Total	5.9%	8.1%	8.4%	8.2%	8.0%	8.0%	43.8%	9.5%	0.1%*	-	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-398 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Bill Savings by Sector and Year, Column Percent Estimates, in Thousand 2009 Dollars

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	-	-	-	-	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-	-	-	-	-
Industrial	2.2%*	2.7%*	2.6%*	2.7%*	2.6%*	2.6%*	2.7%*	1.7%*	-	-	2.5%*
Public Institutional	42.1%	52.2%	56.1%	56.1%	56.7%	56.7%	58.8%	75.1%	100.0%	-	58.1%
Private Institutional	55.7%	45.1%	41.3%	41.3%	40.7%	40.7%	38.5%	23.2%	-	-	39.4%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	-	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-399 PY 2008 Period BPAC, Technical Assistance to Building Owners
 SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Sector and Year, SEP-Attributable Energy in Site MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	-	-	-	-	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-	-	-	-	-
Industrial	\$29.68	\$12.65	\$12.52	\$12.53	\$11.93	\$11.93	\$16.17	\$7.38	-	-	\$13.63
Public Institutional	\$20.87	\$21.45	\$21.88	\$21.12	\$20.58	\$20.50	\$21.86	\$25.76	\$36.58	-	\$21.92
Private Institutional	\$19.52*	\$17.32*	\$16.80*	\$16.08*	\$15.15*	\$15.10*	\$16.07*	\$17.80*	-	-	\$16.40*
Total	\$20.22*	\$19.04	\$19.12	\$18.40	\$17.67	\$17.61	\$19.04	\$22.47	\$36.58	-	\$19.10

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"" indicates estimate exhibits low precision.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-400 PY 2008 Period BPAC, Technical Assistance to Building Owners
 SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Sector and Year, SEP-Attributable Energy in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	-	-	-	-	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-	-	-	-	-
Industrial	\$8.89	\$7.61	\$7.54	\$7.54	\$7.18	\$7.18	\$7.78	\$6.39	-	-	\$7.56
Public Institutional	\$10.74	\$9.05	\$9.05	\$8.70	\$8.44	\$8.41	\$8.45	\$9.35	\$10.95	-	\$8.74
Private Institutional	\$10.70*	\$7.94*	\$7.75*	\$7.35*	\$6.86*	\$6.84*	\$6.76*	\$6.70*	-	-	\$7.23*
Total	\$10.67	\$8.47	\$8.42	\$8.06	\$7.69	\$7.66	\$7.69	\$8.50	\$10.95	-	\$8.04

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"" indicates estimate exhibits low precision.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-401 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Bill Savings by Fuel Type and Sector, Total Estimates, in Thousand 2009 Dollars

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	-	-	\$432	\$12,287	\$7,413*	\$20,132
Natural Gas	-	-	\$179	\$1,811	\$2,211*	\$4,202
Oil	-	-	-	-	-	-
Propane	-	-	-	\$86	-	\$86
Kerosene	-	-	-	-	-	-
Wood	-	-	-	-	-	-
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-
Other	-	-	\$9	-	-	\$9
Total	-	-	\$620	\$14,184	\$9,625*	\$24,429

Note:
Standard errors estimates are not reported.
"-" indicates estimate rounds to zero and is considered imprecise.
"*" indicates estimate exhibits low precision.
Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-402 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Bill Savings by Fuel Type and Sector, Row Percent Estimates, in Thousand 2009 Dollars

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	-	-	2.1%*	61.0%	36.8%	100.0%
Natural Gas	-	-	4.3%*	43.1%	52.6%	100.0%
Oil	-	-	-	-	-	-
Propane	-	-	-	100.0%	-	100.0%
Kerosene	-	-	-	-	-	-
Wood	-	-	-	-	-	-
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-
Other	-	-	100.0%	-	-	100.0%
Total	-	-	2.5%*	58.1%	39.4%	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-403 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Bill Savings by Fuel Type and Sector, Column Percent Estimates, in Thousand 2009 Dollars

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	-	-	69.6%	86.6%	77.0%	82.4%
Natural Gas	-	-	28.9%	12.8%	23.0%	17.2%
Oil	-	-	-	-	-	-
Propane	-	-	-	0.6%	-	0.4%*
Kerosene	-	-	-	-	-	-
Wood	-	-	-	-	-	-
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-
Other	-	-	1.5%	-	-	-
Total	-	-	100.0%	100.0%	100.0%	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-404 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Fuel Type and Sector, SEP-Attributable Energy in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity, Units=MWh	-	-	\$98.11	\$101.67	\$80.81*	\$92.77
Natural Gas, Units=KTherms	-	-	\$601.90	\$786.30	\$807.96*	\$787.11
Oil, Units=KTherms	-	-	-	-	-	-
Propane, Units=KTherms	-	-	-	\$2,038.25	-	\$2,038.25
Kerosene, Units=KTherms	-	-	-	-	-	-
Wood, Units=Site MMBtu	-	-	-	-	-	-
Diesel, Units=Site MMBtu	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	-	-	-	-	-	-
Other, Units=Site MMBtu	-	-	\$13.63	-	-	\$13.63
Total,	-	-	\$13.63	\$21.92	\$16.40*	\$19.10

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Units=Site MMBtu						

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-405 PY 2008 Period BPAC, Technical Assistance to Building Owners
SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Fuel Type and Sector, SEP-Attributable Energy in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	-	-	\$8.61	\$8.92	\$7.09*	\$8.14
Natural Gas	-	-	\$5.75	\$7.51	\$7.72*	\$7.52
Oil	-	-	-	-	-	-
Propane	-	-	-	\$20.18	-	\$20.18
Kerosene	-	-	-	-	-	-
Wood	-	-	-	-	-	-
Diesel	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-
Other	-	-	\$13.63	-	-	\$13.63
Total	-	-	\$7.56	\$8.74	\$7.23*	\$8.04

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-406

ARRA Period BPAC, Total Over All Evaluated BPACs
Overall Energy Savings by Fuel Type and Year, Total Estimates, in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	n/a	23,553 (25,474)	457,874 (349,587)	1,103,799 (749,620)	1,672,479 (883,400)	1,850,349 (903,923)	16,563,574 (6,097,105)	25,613,142 (9,634,427)	14,629,603 (6,956,559)	2,400,203 (1,888,316)	64,314,575 (25,434,267)
Natural Gas, Units=KTherms	n/a	4,288* (6,047)	7,080 (6,730)	20,479 (14,898)	35,090 (26,695)	38,153 (26,852)	301,172 (126,167)	488,769 (196,559)	285,108 (163,140)	44,711 (44,336)	1,224,850 (542,488)
Oil, Units=KTherms	n/a	5* (7)	883* (1,254)	4,441 (3,280)	5,205 (3,801)	5,936 (4,007)	50,998 (30,407)	82,078 (48,761)	36,417 (25,330)	6,281* (8,232)	192,245 (121,658)
Propane, Units=KTherms	n/a	49* (77)	235 (203)	657 (587)	790 (692)	834 (704)	7,081 (5,538)	11,366 (9,276)	5,049 (4,836)	1,119* (1,668)	27,179 (23,199)
Kerosene, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	73* (104)	73* (104)	73* (104)	508* (725)	733* (1,045)	243* (347)	-	1,703* (2,427)
Diesel, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Other, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Total, Units=Site MMBtu	n/a	514,584* (679,497)	2,382,156 (1,814,750)	6,324,012 (4,177,738)	9,815,261 (5,650,162)	10,805,987 (5,734,101)	92,442,949 (33,844,448)	145,617,621 (53,556,027)	82,575,839 (40,084,192)	13,401,022 (10,932,283)	363,879,432 (144,408,700)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-407

ARRA Period BPAC, Total Over All Evaluated BPACs
Overall Energy Savings by Fuel Type and Year, Total Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	268,416 (290,303)	5,217,968 (3,983,926)	12,578,979 (8,542,730)	19,059,702 (10,067,295)	21,086,724 (10,301,182)	188,759,811 (69,483,102)	291,889,414 (109,794,701)	166,720,130 (79,277,501)	27,352,901 (21,519,400)	732,934,043 (289,850,945)
Natural Gas	n/a	448,968* (633,161)	741,292 (704,658)	2,144,117 (1,559,802)	3,673,894 (2,794,990)	3,994,599 (2,811,441)	31,532,749 (13,209,696)	51,174,082 (20,579,730)	29,850,821 (17,080,778)	4,681,281 (4,641,987)	128,241,802 (56,798,529)
Oil	n/a	461* (703)	89,228* (126,616)	448,516 (331,316)	525,718 (383,938)	599,563 (404,681)	5,150,843 (3,071,082)	8,289,907 (4,924,882)	3,678,073 (2,558,338)	634,389* (831,435)	19,416,697 (12,287,478)
Propane	n/a	4,996* (7,787)	23,702 (20,518)	66,337 (59,283)	79,762 (69,846)	84,192 (71,136)	715,207 (559,355)	1,147,930 (936,850)	509,921 (488,416)	113,069* (168,484)	2,745,114 (2,343,109)
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	73* (104)	73* (104)	73* (104)	508* (725)	733* (1,045)	243* (347)	-	1,703* (2,427)
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	722,840 (888,970)	6,072,189 (4,609,020)	15,238,022 (10,204,499)	23,339,148 (12,730,792)	25,765,150 (12,976,053)	226,159,117 (82,463,450)	352,502,066 (130,513,467)	200,759,187 (95,865,349)	32,781,640 (26,060,087)	883,339,360 (348,083,476)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-408 **ARRA Period BPAC, Total Over All Evaluated BPACs**
Overall Energy Savings by Fuel Type and Year, Average per Year Estimates, in Original Site Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	2009-2050	n/a	23,553 (25,474)	457,874 (349,587)	1,103,799 (749,620)	1,672,479 (883,400)	1,850,349 (903,923)	2,366,225 (871,015)	2,561,314 (963,443)	1,462,960 (695,656)	240,020 (188,832)	1,531,299 (605,578)
Natural Gas, Units=KTherms	2009-2050	n/a	4,288* (6,047)	7,080 (6,730)	20,479 (14,898)	35,090 (26,695)	38,153 (26,852)	43,025 (18,024)	48,877 (19,656)	28,511 (16,314)	4,471 (4,434)	29,163 (12,916)
Oil, Units=KTherms	2009-2050	n/a	5* (7)	883* (1,254)	4,441 (3,280)	5,205 (3,801)	5,936 (4,007)	7,285 (4,344)	8,208 (4,876)	3,642 (2,533)	628* (823)	4,577 (2,897)
Propane, Units=KTherms	2009-2050	n/a	49* (77)	235 (203)	657 (587)	790 (692)	834 (704)	1,012 (791)	1,137 (928)	505 (484)	112* (167)	647 (552)
Kerosene, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	2011-2035	n/a	-	-	73* (104)	73* (104)	73* (104)	73* (104)	73* (104)	49* (69)	-	68* (97)
Diesel, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Other, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Total, Units=Site MMBtu	2009- 2050	n/a	514,584* (679,497)	2,382,156 (1,814,750)	6,324,012 (4,177,738)	9,815,261 (5,650,162)	10,805,987 (5,734,101)	13,206,136 (4,834,921)	14,561,762 (5,355,603)	8,257,584 (4,008,419)	1,340,102 (1,093,228)	8,663,796 (3,438,302)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-409 **ARRA Period BPAC, Total Over All Evaluated BPACs**
Overall Energy Savings by Fuel Type and Year, Average per Year Estimates, in Source MMBtu Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	2009-2050	n/a	268,416 (290,303)	5,217,968 (3,983,926)	12,578,979 (8,542,730)	19,059,702 (10,067,295)	21,086,724 (10,301,182)	26,965,687 (9,926,157)	29,188,941 (10,979,470)	16,672,013 (7,927,750)	2,735,290 (2,151,940)	17,450,811 (6,901,213)
Natural Gas	2009-2050	n/a	448,968* (633,161)	741,292 (704,658)	2,144,117 (1,559,802)	3,673,894 (2,794,990)	3,994,599 (2,811,441)	4,504,678 (1,887,099)	5,117,408 (2,057,973)	2,985,082 (1,708,078)	468,128 (464,199)	3,053,376 (1,352,346)
Oil	2009-2050	n/a	461* (703)	89,228* (126,616)	448,516 (331,316)	525,718 (383,938)	599,563 (404,681)	735,835 (438,726)	828,991 (492,488)	367,807 (255,834)	63,439* (83,143)	462,302 (292,559)
Propane	2009-2050	n/a	4,996* (7,787)	23,702 (20,518)	66,337 (59,283)	79,762 (69,846)	84,192 (71,136)	102,172 (79,908)	114,793 (93,685)	50,992 (48,842)	11,307* (16,848)	65,360 (55,788)
Kerosene	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Wood	2011-2035	n/a	-	-	73* (104)	73* (104)	73* (104)	73* (104)	73* (104)	49* (69)	-	68* (97)
Diesel	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Total	2009-2050	n/a	722,840 (888,970)	6,072,189 (4,609,020)	15,238,022 (10,204,499)	23,339,148 (12,730,792)	25,765,150 (12,976,053)	32,308,445 (11,780,493)	35,250,207 (13,051,347)	20,075,919 (9,586,535)	3,278,164 (2,606,009)	21,031,890 (8,287,702)

Note:



Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-410 **ARRA Period BPAC, Total Over All Evaluated BPACs**
Overall Energy Savings by Fuel Type and Year, Row Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	-	0.7% (0.4%)	1.7% (0.8%)	2.6% (0.9%)	2.9% (0.9%)	25.8% (3.9%)	39.8% (2.8%)	22.7% (3.8%)	3.7% (1.9%)	100.0% (0.0%)
Natural Gas	n/a	0.4%* (0.4%)	0.6% (0.5%)	1.7% (1.0%)	2.9% (1.7%)	3.1% (1.7%)	24.6% (5.1%)	39.9% (4.2%)	23.3% (5.4%)	3.7% (2.3%)	100.0% (0.0%)
Oil	n/a	-	0.5%* (0.6%)	2.3% (0.6%)	2.7% (0.6%)	3.1% (0.5%)	26.5% (3.0%)	42.7% (2.2%)	18.9% (3.4%)	3.3% (2.5%)	100.0% (0.0%)
Propane	n/a	0.2%* (0.3%)	0.9% (0.8%)	2.4% (0.6%)	2.9% (0.5%)	3.1% (0.5%)	26.1% (2.4%)	41.8% (2.5%)	18.6% (2.7%)	4.1% (3.0%)	100.0% (0.0%)
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	4.3% (0.0%)	4.3% (0.0%)	4.3% (0.0%)	29.9% (0.0%)	43.0% (0.0%)	14.3% (0.0%)	-	100.0% (0.0%)
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	0.1% (0.1%)	0.7% (0.4%)	1.7% (0.8%)	2.6% (1.0%)	2.9% (1.0%)	25.6% (3.8%)	39.9% (2.8%)	22.7% (3.8%)	3.7% (1.9%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-411 **ARRA Period BPAC, Total Over All Evaluated BPACs**
Overall Energy Savings by Fuel Type and Year, Column Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	37.1% (18.6%)	85.9% (5.7%)	82.5% (3.5%)	81.7% (5.0%)	81.8% (4.6%)	83.5% (3.1%)	82.8% (3.0%)	83.0% (3.4%)	83.4% (6.1%)	83.0% (2.8%)
Natural Gas	n/a	62.1% (18.9%)	12.2% (5.4%)	14.1% (3.9%)	15.7% (5.8%)	15.5% (5.4%)	13.9% (3.3%)	14.5% (3.2%)	14.9% (3.9%)	14.3% (6.2%)	14.5% (3.1%)
Oil	n/a	0.1% (0.0%)	1.5%* (2.3%)	2.9% (1.9%)	2.3% (1.5%)	2.3% (1.4%)	2.3% (1.0%)	2.4% (1.0%)	1.8% (1.1%)	1.9% (2.3%)	2.2% (1.0%)
Propane	n/a	0.7%* (1.3%)	0.4% (0.4%)	0.4% (0.3%)	0.3% (0.2%)	0.3% (0.2%)	0.3% (0.2%)	0.3% (0.2%)	0.3% (0.2%)	0.3%* (0.5%)	0.3% (0.2%)
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-412

ARRA Period BPAC, Total Over All Evaluated BPACs
Overall Renewable Generation by Fuel Type and Year, Total Estimates, in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated, Units=MWh	n/a	808,933* (1,101,538)	1,129,068* (1,520,843)	1,803,721 (2,034,625)	2,903,447 (2,811,750)	3,466,177 (3,472,921)	43,755,368 (49,387,393)	86,552,222 (102,151,499)	46,517,894 (55,161,076)	379,683 (340,384)	187,316,511 (217,388,452)
Methane Produced, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	n/a	-	-	32* (44)	64* (87)	96* (131)	1,568* (2,140)	3,519* (4,803)	2,368* (3,231)	96* (131)	7,743* (10,567)
Biodiesel Production, Units=KTherms	n/a	-	-	-	426* (581)	447* (610)	3,821* (5,215)	8,305* (11,335)	2,205* (3,009)	-	15,203* (20,750)
Ethanol Production, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Other, Units=Site	n/a	-	-	-	-	-	-	-	-	-	-

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
MMBtu											
Total, Units=Site MMBtu	n/a	2,760,192* (3,758,602)	3,852,537* (5,189,328)	6,157,747 (6,940,249)	9,913,791 (9,589,886)	11,837,126 (11,843,707)	149,460,034 (168,409,103)	295,688,543 (348,311,724)	158,964,531 (188,051,467)	1,305,129 (1,161,410)	639,939,630 (741,222,882)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-413 ARRA Period BPAC, Total Over All Evaluated BPACs
Overall Renewable Generation by Fuel Type and Year, Total Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	n/a	9,203,983* (12,553,193)	12,748,970* (17,331,242)	25,523,852 (25,001,893)	31,212,697 (31,995,880)	37,623,575 (39,539,707)	485,523,054 (562,693,738)	967,651,787 (1,164,003,637)	520,776,153 (628,563,022)	4,062,752 (3,873,646)	2,094,326,822 (2,477,043,241)
Methane Produced	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	-	3,350* (4,572)	6,700* (9,144)	10,049* (13,716)	164,141* (224,023)	368,480* (502,908)	247,887* (338,320)	10,049* (13,716)	810,656* (1,106,398)
Biodiesel Production	n/a	-	-	-	430* (587)	451* (616)	3,859* (5,267)	8,388* (11,448)	2,227* (3,039)	-	15,355* (20,957)
Ethanol Production	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	9,203,983* (12,553,193)	12,748,970* (17,331,242)	25,527,202 (24,999,780)	31,219,826 (31,991,477)	37,634,075 (39,533,014)	485,691,054 (562,580,995)	968,028,655 (1,163,748,513)	521,026,267 (628,389,223)	4,072,802 (3,873,580)	2,095,152,834 (2,476,480,607)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.



Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-414 ARRA Period BPAC, Total Over All Evaluated BPACs
Overall Renewable Generation by Fuel Type and Year, Average per Year Estimates, in Original Site Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated, Units=MWh	2009-2050	n/a	808,933* (1,101,538)	1,129,068* (1,520,843)	1,803,721 (2,034,625)	2,903,447 (2,811,750)	3,466,177 (3,472,921)	6,250,767 (7,055,342)	8,655,222 (10,215,150)	4,651,789 (5,516,108)	37,968 (34,038)	4,459,917 (5,175,916)
Methane Produced, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	2011-2042	n/a	-	-	32* (44)	64* (87)	96* (131)	224* (306)	352* (480)	237* (323)	48* (65)	242* (330)
Biodiesel Production, Units=KTherms	2012-2032	n/a	-	-	-	426* (581)	447* (610)	546* (745)	831* (1,133)	1,102* (1,505)	-	724* (988)
Ethanol Production, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Other,	n/a	n/a	-	-	-	-	-	-	-	-	-	-

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Units=Site MMBtu												
Total, Units=Site MMBtu	2009-2050	n/a	2,760,192 [*] (3,758,602)	3,852,537 [*] (5,189,328)	6,157,747 (6,940,249)	9,913,791 (9,589,886)	11,837,126 (11,843,707)	21,351,433 (24,058,443)	29,568,854 (34,831,172)	15,896,453 (18,805,147)	130,513 (116,141)	15,236,658 (17,648,164)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-415 ARRA Period BPAC, Total Over All Evaluated BPACs
Overall Renewable Generation by Fuel Type and Year, Average per Year Estimates, in Source MMBtu Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	2009-2050	n/a	9,203,983* (12,553,193)	12,748,970* (17,331,242)	25,523,852 (25,001,893)	31,212,697 (31,995,880)	37,623,575 (39,539,707)	69,360,436 (80,384,820)	96,765,179 (116,400,364)	52,077,615 (62,856,302)	406,275 (387,365)	49,864,924 (58,977,220)
Methane Produced	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	2011-2042	n/a	-	-	3,350* (4,572)	6,700* (9,144)	10,049* (13,716)	23,449* (32,003)	36,848* (50,291)	24,789* (33,832)	5,025* (6,858)	25,333* (34,575)
Biodiesel Production	2012-2032	n/a	-	-	-	430* (587)	451* (616)	551* (752)	839* (1,145)	1,113* (1,520)	-	731* (998)
Ethanol Production	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Total	2009-2050	n/a	9,203,983* (12,553,193)	12,748,970* (17,331,242)	25,527,202 (24,999,780)	31,219,826 (31,991,477)	37,634,075 (39,533,014)	69,384,436 (80,368,714)	96,802,865 (116,374,851)	52,102,627 (62,838,922)	407,280 (387,358)	49,884,591 (58,963,824)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.



"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-416 **ARRA Period BPAC, Total Over All Evaluated BPACs**
Overall Renewable Generation by Fuel Type and Year, Row Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	n/a	0.4% (0.1%)	0.6% (0.1%)	1.2% (0.6%)	1.5% (0.5%)	1.8% (0.4%)	23.2% (1.1%)	46.2% (1.1%)	24.9% (1.1%)	0.2%* (0.3%)	100.0% (0.0%)
Methane Produced	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	-	0.4% (0.0%)	0.8% (0.0%)	1.2% (0.0%)	20.2% (0.0%)	45.5% (0.0%)	30.6% (0.0%)	1.2% (0.0%)	100.0% (0.0%)
Biodiesel Production	n/a	-	-	-	2.8% (0.0%)	2.9% (0.0%)	25.1% (0.0%)	54.6% (0.0%)	14.5% (0.0%)	-	100.0% (0.0%)
Ethanol Production	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	0.4% (0.1%)	0.6% (0.1%)	1.2% (0.6%)	1.5% (0.5%)	1.8% (0.4%)	23.2% (1.1%)	46.2% (1.1%)	24.9% (1.1%)	0.2%* (0.3%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-417 **ARRA Period BPAC, Total Over All Evaluated BPACs**
Overall Renewable Generation by Fuel Type and Year, Column Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	n/a	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.1%)	100.0% (0.1%)	100.0% (0.1%)	100.0% (0.1%)	99.8% (0.5%)	100.0% (0.1%)
Methane Produced	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	-	-	-	-	-	-	-	0.2%* (0.5%)	-
Biodiesel Production	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol Production	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-418

ARRA Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Energy Savings by Fuel Type and Year, Total Estimates, in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	n/a	14,192 (16,009)	323,883 (225,071)	814,992 (514,048)	1,327,919 (660,526)	1,449,828 (657,450)	12,937,597 (4,184,204)	20,274,312 (7,836,353)	11,006,865 (5,303,929)	1,549,839 (1,400,031)	49,699,427 (18,219,088)
Natural Gas, Units=KTherms	n/a	2,715* (3,891)	4,265 (4,096)	15,844 (12,133)	28,781 (23,325)	31,322 (23,385)	244,268 (101,621)	402,155 (168,104)	228,972 (138,528)	30,733 (36,720)	989,056 (450,154)
Oil, Units=KTherms	n/a	3* (5)	663* (928)	3,729 (2,767)	4,264 (3,170)	4,945 (3,398)	42,764 (25,907)	68,692 (41,660)	30,042 (21,569)	4,623* (6,940)	159,724 (103,745)
Propane, Units=KTherms	n/a	25* (39)	151 (132)	469 (463)	584 (554)	613 (562)	5,350 (4,428)	8,724 (7,432)	3,980 (3,938)	921* (1,374)	20,817 (18,667)
Kerosene, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	73* (104)	73* (104)	73* (104)	508* (725)	733* (1,045)	243* (347)	-	1,703* (2,427)
Diesel, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Other, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Total, Units=Site MMBtu	n/a	322,671* (416,683)	1,613,035 (1,080,802)	4,785,108 (3,038,308)	7,894,014 (4,535,779)	8,635,069 (4,515,629)	73,383,608 (24,015,633)	117,136,665 (43,287,922)	63,856,650 (31,919,081)	8,915,931 (8,576,028)	286,542,751 (108,406,339)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-419 **ARRA Period BPAC, Total Over All Evaluated BPACs**
SEP-Attributable Energy Savings by Fuel Type and Year, Total Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	161,734 (182,442)	3,690,999 (2,564,929)	9,287,713 (5,858,137)	15,133,076 (7,527,407)	16,522,351 (7,492,358)	147,437,895 (47,683,525)	231,047,686 (89,303,709)	125,435,110 (60,444,003)	17,662,086 (15,954,865)	566,378,650 (207,626,183)
Natural Gas	n/a	284,225* (407,367)	446,592 (428,857)	1,658,902 (1,270,323)	3,013,380 (2,442,081)	3,279,393 (2,448,375)	25,574,863 (10,639,725)	42,105,658 (17,600,445)	23,973,406 (14,503,845)	3,217,714 (3,844,574)	103,554,133 (47,131,105)
Oil	n/a	309* (471)	66,935* (93,715)	376,608 (279,470)	430,629 (320,161)	499,451 (343,168)	4,319,142 (2,616,626)	6,937,896 (4,207,673)	3,034,267 (2,178,507)	466,907* (700,972)	16,132,145 (10,478,284)
Propane	n/a	2,498* (3,894)	15,234 (13,346)	47,324 (46,799)	59,005 (55,905)	61,908 (56,716)	540,375 (447,237)	881,131 (750,647)	401,963 (397,728)	93,030* (138,753)	2,102,469 (1,885,324)
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	73* (104)	73* (104)	73* (104)	508* (725)	733* (1,045)	243* (347)	-	1,703* (2,427)
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	448,766 (514,924)	4,219,761 (2,856,545)	11,370,620 (7,167,620)	18,636,162 (9,831,372)	20,363,176 (9,773,250)	177,872,783 (57,011,870)	280,973,104 (106,068,646)	152,844,989 (74,501,202)	21,439,737 (19,844,443)	688,169,099 (253,834,793)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-420

ARRA Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Energy Savings by Fuel Type and Year, Average per Year Estimates, in Original Site Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	2009-2050	n/a	14,192 (16,009)	323,883 (225,071)	814,992 (514,048)	1,327,919 (660,526)	1,449,828 (657,450)	1,848,228 (597,743)	2,027,431 (783,635)	1,100,686 (530,393)	154,984 (140,003)	1,183,320 (433,788)
Natural Gas, Units=KTherms	2009-2050	n/a	2,715* (3,891)	4,265 (4,096)	15,844 (12,133)	28,781 (23,325)	31,322 (23,385)	34,895 (14,517)	40,216 (16,810)	22,897 (13,853)	3,073 (3,672)	23,549 (10,718)
Oil, Units=KTherms	2009-2050	n/a	3* (5)	663* (928)	3,729 (2,767)	4,264 (3,170)	4,945 (3,398)	6,109 (3,701)	6,869 (4,166)	3,004 (2,157)	462* (694)	3,803 (2,470)
Propane, Units=KTherms	2009-2050	n/a	25* (39)	151 (132)	469 (463)	584 (554)	613 (562)	764 (633)	872 (743)	398 (394)	92* (137)	496 (444)
Kerosene, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	2011-2035	n/a	-	-	73* (104)	73* (104)	73* (104)	73* (104)	73* (104)	49* (69)	-	68* (97)
Diesel, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Other, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Total, Units=Site MMBtu	2009- 2050	n/a	322,671* (416,683)	1,613,035 (1,080,802)	4,785,108 (3,038,308)	7,894,014 (4,535,779)	8,635,069 (4,515,629)	10,483,373 (3,430,805)	11,713,666 (4,328,792)	6,385,665 (3,191,908)	891,593 (857,603)	6,822,446 (2,581,103)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-421 **ARRA Period BPAC, Total Over All Evaluated BPACs**
SEP-Attributable Energy Savings by Fuel Type and Year, Average per Year Estimates, in Source MMBtu Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	2009-2050	n/a	161,734 (182,442)	3,690,999 (2,564,929)	9,287,713 (5,858,137)	15,133,076 (7,527,407)	16,522,351 (7,492,358)	21,062,556 (6,811,932)	23,104,769 (8,930,371)	12,543,511 (6,044,400)	1,766,209 (1,595,486)	13,485,206 (4,943,481)
Natural Gas	2009-2050	n/a	284,225* (407,367)	446,592 (428,857)	(1,270,323)	(2,442,081)	(2,448,375)	(1,519,961)	(1,760,044)	(1,450,384)	321,771 (384,457)	(1,122,169)
Oil	2009-2050	n/a	309* (471)	66,935* (93,715)	376,608 (279,470)	430,629 (320,161)	499,451 (343,168)	617,020 (373,804)	693,790 (420,767)	303,427 (217,851)	46,691* (70,097)	384,099 (249,483)
Propane	2009-2050	n/a	2,498* (3,894)	15,234 (13,346)	47,324 (46,799)	59,005 (55,905)	61,908 (56,716)	77,196 (63,891)	88,113 (75,065)	40,196 (39,773)	9,303* (13,875)	50,059 (44,889)
Kerosene	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Wood	2011-2035	n/a	-	-	73* (104)	73* (104)	73* (104)	73* (104)	73* (104)	49* (69)	-	68* (97)
Diesel	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Total	2009-2050	n/a	448,766 (514,924)	4,219,761 (2,856,545)	11,370,620 (7,167,620)	18,636,162 (9,831,372)	20,363,176 (9,773,250)	25,410,398 (8,144,553)	28,097,310 (10,606,865)	15,284,499 (7,450,120)	2,143,974 (1,984,444)	16,384,979 (6,043,686)

Note:



Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-422

ARRA Period BPAC, Total Over All Evaluated BPACs

SEP-Attributable Energy Savings by Fuel Type and Year, Row Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	-	0.7% (0.4%)	1.6% (0.8%)	2.7% (1.1%)	2.9% (1.0%)	26.0% (4.2%)	40.8% (3.1%)	22.1% (4.2%)	3.1% (2.0%)	100.0% (0.0%)
Natural Gas	n/a	0.3%* (0.4%)	0.4% (0.4%)	1.6% (1.0%)	2.9% (2.0%)	3.2% (2.0%)	24.7% (5.2%)	40.7% (4.8%)	23.2% (5.7%)	3.1% (2.6%)	100.0% (0.0%)
Oil	n/a	-	0.4%* (0.6%)	2.3% (0.5%)	2.7% (0.5%)	3.1% (0.5%)	26.8% (2.8%)	43.0% (2.5%)	18.8% (2.9%)	2.9% (2.8%)	100.0% (0.0%)
Propane	n/a	0.1%* (0.2%)	0.7% (0.8%)	2.3% (0.5%)	2.8% (0.5%)	2.9% (0.4%)	25.7% (2.2%)	41.9% (2.9%)	19.1% (2.4%)	4.4% (3.0%)	100.0% (0.0%)
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	4.3% (0.0%)	4.3% (0.0%)	4.3% (0.0%)	29.9% (0.0%)	43.0% (0.0%)	14.3% (0.0%)	-	100.0% (0.0%)
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	0.1% (0.1%)	0.6% (0.3%)	1.7% (0.8%)	2.7% (1.2%)	3.0% (1.1%)	25.8% (4.1%)	40.8% (3.2%)	22.2% (4.2%)	3.1% (2.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-423 **ARRA Period BPAC, Total Over All Evaluated BPACs**
SEP-Attributable Energy Savings by Fuel Type and Year, Column Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	36.0% (31.7%)	87.5% (7.7%)	81.7% (4.2%)	81.2% (5.6%)	81.1% (5.4%)	82.9% (3.9%)	82.2% (3.5%)	82.1% (3.6%)	82.4% (6.3%)	82.3% (3.3%)
Natural Gas	n/a	63.3% (31.8%)	10.6% (7.2%)	14.6% (4.2%)	16.2% (6.3%)	16.1% (6.1%)	14.4% (3.8%)	15.0% (3.5%)	15.7% (3.9%)	15.0% (6.2%)	15.0% (3.4%)
Oil	n/a	0.1% (0.0%)	1.6%* (2.4%)	3.3% (2.5%)	2.3% (1.7%)	2.5% (1.7%)	2.4% (1.2%)	2.5% (1.3%)	2.0% (1.4%)	2.2%* (3.2%)	2.3% (1.3%)
Propane	n/a	0.6%* (1.0%)	0.4% (0.4%)	0.4% (0.4%)	0.3% (0.3%)	0.3% (0.3%)	0.3% (0.2%)	0.3% (0.2%)	0.3% (0.2%)	0.4%* (0.6%)	0.3% (0.2%)
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-424 **ARRA Period BPAC, Total Over All Evaluated BPACs**
SEP-Attributable Energy Savings by Sector and Year, Total Estimates, in Site MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	289,568* (413,664)	725,826 (877,091)	1,452,387 (1,727,393)	1,754,436 (1,850,824)	2,130,796 (1,941,125)	27,689,279 (16,576,494)	53,466,432 (27,336,140)	29,198,968 (15,292,893)	3,221,535 (3,526,848)	119,929,227 (67,469,155)
Commercial	n/a	1,015* (1,583)	19,642 (23,622)	138,653 (71,855)	246,895 (116,992)	395,764 (186,683)	6,587,186 (3,185,045)	15,047,680 (7,328,286)	9,741,825 (6,011,042)	1,115,712* (1,612,555)	33,294,372 (16,523,333)
Industrial	n/a	-	397,125* (605,129)	423,366* (600,487)	685,743 (709,865)	723,989 (704,462)	5,328,544 (4,912,948)	4,823,845 (3,794,518)	721,861 (321,967)	158,071* (234,661)	13,262,542 (11,397,592)
Public Institutional	n/a	32,088* (49,086)	447,756 (255,681)	2,542,729 (2,506,260)	4,886,945 (4,193,369)	4,939,554 (4,100,609)	27,584,309 (16,383,511)	32,004,588 (26,264,278)	19,061,275 (22,098,998)	4,394,964* (6,314,614)	95,894,208 (72,551,978)
Private Institutional	n/a	-	22,687 (12,476)	227,973 (131,943)	319,996 (147,274)	444,966 (189,360)	6,194,290 (2,770,889)	11,794,119 (5,771,711)	5,132,721 (2,791,751)	25,649 (23,212)	24,162,401 (11,608,767)
Total	n/a	322,671* (416,683)	1,613,035 (1,080,802)	4,785,108 (3,038,308)	7,894,014 (4,535,779)	8,635,069 (4,515,629)	73,383,608 (24,015,633)	117,136,665 (43,287,922)	63,856,650 (31,919,081)	8,915,931 (8,576,028)	286,542,751 (108,406,339)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

*** indicates estimate exhibits low precision.

"n/a" indicates not applicable.



Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

Table K-425 **ARRA Period BPAC, Total Over All Evaluated BPACs**
SEP-Attributable Energy Savings by Sector and Year, Total Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	340,534* (488,013)	1,580,677* (1,990,348)	3,356,386 (3,986,461)	4,101,437 (4,211,947)	5,117,492 (4,508,411)	66,707,943 (40,116,918)	128,650,454 (66,741,613)	70,841,745 (36,639,422)	7,971,454 (8,400,267)	288,668,122 (160,935,898)
Commercial	n/a	1,063* (1,657)	27,265 (28,217)	292,825 (160,654)	554,146 (271,983)	906,942 (434,568)	15,988,398 (7,844,900)	37,163,262 (18,146,228)	24,650,750 (15,674,668)	2,955,433* (4,275,455)	82,540,084 (41,493,890)
Industrial	n/a	-	1,326,164* (2,021,048)	1,390,014* (2,007,439)	2,211,655 (2,366,624)	2,251,076 (2,338,468)	16,408,170 (16,304,921)	14,305,616 (12,502,050)	1,763,770 (891,962)	525,302* (783,719)	40,181,766 (37,755,992)
Public Institutional	n/a	107,169* (163,941)	1,233,850 (692,325)	5,914,539 (5,886,341)	11,135,936 (8,968,133)	11,159,206 (8,675,752)	64,496,469 (36,952,427)	73,288,394 (59,628,107)	43,058,053 (48,887,760)	9,930,825* (14,059,401)	220,324,442 (162,928,069)
Private Institutional	n/a	-	51,805 (27,511)	416,857 (191,113)	632,988 (260,841)	928,460 (385,928)	14,271,803 (6,633,514)	27,565,377 (13,944,137)	12,530,671 (6,790,633)	56,724 (50,767)	56,454,685 (27,986,390)
Total	n/a	448,766 (514,924)	4,219,761 (2,856,545)	11,370,620 (7,167,620)	18,636,162 (9,831,372)	20,363,176 (9,773,250)	177,872,783 (57,011,870)	280,973,104 (106,068,646)	152,844,989 (74,501,202)	21,439,737 (19,844,443)	688,169,099 (253,834,793)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

""*"" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.



Table K-426 **ARRA Period BPAC, Total Over All Evaluated BPACs**
SEP-Attributable Energy Savings by Sector and Year, Average per Year Estimates, in Site MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	2009-2050	n/a	289,568* (413,664)	725,826 (877,091)	1,452,387 (1,727,393)	1,754,436 (1,850,824)	2,130,796 (1,941,125)	3,955,611 (2,368,071)	5,346,643 (2,733,614)	2,919,897 (1,529,289)	322,154 (352,685)	2,855,458 (1,606,408)
Commercial	2009-2050	n/a	1,015* (1,583)	19,642 (23,622)	138,653 (71,855)	246,895 (116,992)	395,764 (186,683)	941,027 (455,006)	1,504,768 (732,829)	974,182 (601,104)	111,571* (161,255)	792,723 (393,413)
Industrial	2010-2050	n/a	-	397,125* (605,129)	423,366* (600,487)	685,743 (709,865)	723,989 (704,462)	761,221 (701,850)	482,384 (379,452)	72,186 (32,197)	15,807* (23,466)	323,477 (277,990)
Public Institutional	2009-2050	n/a	32,088* (49,086)	447,756 (255,681)	2,542,729 (2,506,260)	4,886,945 (4,193,369)	4,939,554 (4,100,609)	3,940,616 (2,340,502)	3,200,459 (2,626,428)	1,906,128 (2,209,900)	439,496* (631,461)	2,283,195 (1,727,428)
Private Institutional	2010-2041	n/a	-	22,687 (12,476)	227,973 (131,943)	319,996 (147,274)	444,966 (189,360)	884,899 (395,841)	1,179,412 (577,171)	513,272 (279,175)	25,649 (23,212)	755,075 (362,774)
Total	2009-2050	n/a	322,671* (416,683)	1,613,035 (1,080,802)	4,785,108 (3,038,308)	7,894,014 (4,535,779)	8,635,069 (4,515,629)	10,483,373 (3,430,805)	11,713,666 (4,328,792)	6,385,665 (3,191,908)	891,593 (857,603)	6,822,446 (2,581,103)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-427 **ARRA Period BPAC, Total Over All Evaluated BPACs**
SEP-Attributable Energy Savings by Sector and Year, Average per Year Estimates, in Source MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	2009-2050	n/a	340,534* (488,013)	1,580,677* (1,990,348)	3,356,386 (3,986,461)	4,101,437 (4,211,947)	5,117,492 (4,508,411)	9,529,706 (5,730,988)	12,865,045 (6,674,161)	7,084,175 (3,663,942)	797,145 (840,027)	6,873,051 (3,831,807)
Commercial	2009-2050	n/a	1,063* (1,657)	27,265 (28,217)	292,825 (160,654)	554,146 (271,983)	906,942 (434,568)	2,284,057 (1,120,700)	3,716,326 (1,814,623)	2,465,075 (1,567,467)	295,543* (427,546)	1,965,240 (987,950)
Industrial	2010-2050	n/a	-	1,326,164* (2,021,048)	1,390,014* (2,007,439)	2,211,655 (2,366,624)	2,251,076 (2,338,468)	2,344,024 (2,329,274)	1,430,562 (1,250,205)	176,377 (89,196)	52,530* (78,372)	980,043 (920,878)
Public Institutional	2009-2050	n/a	107,169* (163,941)	1,233,850 (692,325)	5,914,539 (5,886,341)	11,135,936 (8,968,133)	11,159,206 (8,675,752)	9,213,781 (5,278,918)	7,328,839 (5,962,811)	4,305,805 (4,888,776)	993,082* (1,405,940)	5,245,820 (3,879,240)
Private Institutional	2010-2041	n/a	-	51,805 (27,511)	416,857 (191,113)	632,988 (260,841)	928,460 (385,928)	2,038,829 (947,645)	2,756,538 (1,394,414)	1,253,067 (679,063)	56,724 (50,767)	1,764,209 (874,575)
Total	2009-2050	n/a	448,766 (514,924)	4,219,761 (2,856,545)	11,370,620 (7,167,620)	18,636,162 (9,831,372)	20,363,176 (9,773,250)	25,410,398 (8,144,553)	28,097,310 (10,606,865)	15,284,499 (7,450,120)	2,143,974 (1,984,444)	16,384,979 (6,043,686)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.



Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-428 **ARRA Period BPAC, Total Over All Evaluated BPACs**
SEP-Attributable Energy Savings by Sector and Year, Row Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	0.1% (0.1%)	0.5% (0.5%)	1.2% (0.9%)	1.4% (0.9%)	1.8% (0.7%)	23.1% (2.2%)	44.6% (4.1%)	24.5% (2.6%)	2.8% (2.1%)	100.0% (0.0%)
Commercial	n/a	-	-	0.4% (0.1%)	0.7% (0.2%)	1.1% (0.3%)	19.4% (5.4%)	45.0% (5.4%)	29.9% (7.2%)	3.6% (4.0%)	100.0% (0.0%)
Industrial	n/a	-	3.3% (3.0%)	3.5% (2.8%)	5.5% (0.8%)	5.6% (0.6%)	40.8% (2.4%)	35.6% (3.6%)	4.4% (3.6%)	1.3% (1.6%)	100.0% (0.0%)
Public Institutional	n/a	-	0.6% (0.2%)	2.7% (2.5%)	5.1% (3.6%)	5.1% (3.5%)	29.3% (10.8%)	33.3% (7.0%)	19.5% (9.9%)	4.5% (3.5%)	100.0% (0.0%)
Private Institutional	n/a	-	0.1% (0.1%)	0.7% (0.3%)	1.1% (0.3%)	1.6% (0.4%)	25.3% (1.4%)	48.8% (0.9%)	22.2% (1.6%)	0.1% (0.1%)	100.0% (0.0%)
Total	n/a	0.1% (0.1%)	0.6% (0.3%)	1.7% (0.8%)	2.7% (1.2%)	3.0% (1.1%)	25.8% (4.1%)	40.8% (3.2%)	22.2% (4.2%)	3.1% (2.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-429

ARRA Period BPAC, Total Over All Evaluated BPACs

SEP-Attributable Energy Savings by Sector and Year, Column Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	75.9% (38.1%)	37.5% (34.6%)	29.5% (29.1%)	22.0% (20.4%)	25.1% (19.5%)	37.5% (15.9%)	45.8% (16.7%)	46.3% (23.3%)	37.2% (39.6%)	41.9% (17.5%)
Commercial	n/a	0.2%* (0.4%)	0.6% (0.8%)	2.6% (2.0%)	3.0% (1.9%)	4.5% (2.4%)	9.0% (3.2%)	13.2% (3.8%)	16.1% (5.2%)	13.8% (9.9%)	12.0% (3.7%)
Industrial	n/a	-	31.4% (37.0%)	12.2%* (18.1%)	11.9% (13.8%)	11.1% (12.3%)	9.2% (9.3%)	5.1% (4.9%)	1.2% (0.9%)	2.5%* (5.1%)	5.8% (6.0%)
Public Institutional	n/a	23.9%* (38.1%)	29.2% (23.8%)	52.0% (33.2%)	59.8% (25.9%)	54.8% (24.7%)	36.3% (16.6%)	26.1% (16.5%)	28.2% (21.4%)	46.3% (32.5%)	32.0% (17.2%)
Private Institutional	n/a	-	1.2% (1.1%)	3.7% (2.8%)	3.4% (2.1%)	4.6% (2.5%)	8.0% (3.0%)	9.8% (3.8%)	8.2% (4.4%)	0.3%* (0.3%)	8.2% (3.4%)
Total	n/a	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-430 **ARRA Period BPAC, Total Over All Evaluated BPACs**
SEP-Attributable Energy Savings by Fuel Type and Sector, Total Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity, Units=MWh	20,888,878 (11,885,051)	6,106,346 (3,113,654)	3,362,201 (3,307,471)	15,348,408 (11,166,666)	3,993,594 (2,057,627)	49,699,427 (18,219,088)
Natural Gas, Units=KTherms	399,138 (233,672)	99,574 (52,496)	15,597 (12,860)	393,041 (352,656)	81,706 (40,122)	989,056 (450,154)
Oil, Units=KTherms	68,484* (93,315)	24,835 (12,391)	2,298 (1,320)	41,425 (35,942)	22,682 (11,065)	159,724 (103,745)
Propane, Units=KTherms	18,912 (18,504)	177 (203)	7* (11)	750 (897)	969 (1,197)	20,817 (18,667)
Kerosene, Units=KTherms	n/a	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	1,703* (2,427)	-	1,703* (2,427)
Diesel, Units=Site MMBtu	n/a	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	-	-	-	-	-
Other, Units=Site MMBtu	n/a	-	-	-	-	-
Total,	119,929,227	33,294,372	13,262,542	95,894,208	24,162,401	286,542,751

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Units=Site MMBtu	(67,469,155)	(16,523,333)	(11,397,592)	(72,551,978)	(11,608,767)	(108,406,339)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-431 **ARRA Period BPAC, Total Over All Evaluated BPACs**
SEP-Attributable Energy Savings by Fuel Type and Sector, Total Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	238,051,329 (135,442,992)	69,588,407 (35,483,452)	38,315,914 (37,692,199)	174,911,684 (127,256,220)	45,511,316 (23,448,884)	566,378,650 (207,626,183)
Natural Gas	41,789,732 (24,465,486)	10,425,445 (5,496,332)	1,632,991 (1,346,425)	41,151,343 (36,923,056)	8,554,623 (4,200,733)	103,554,133 (47,131,105)
Oil	6,916,929* (9,424,775)	2,508,329 (1,251,536)	232,121 (133,340)	4,183,932 (3,630,100)	2,290,834 (1,117,558)	16,132,145 (10,478,284)
Propane	1,910,133 (1,868,893)	17,903 (20,500)	740* (1,135)	75,781 (90,566)	97,912 (120,863)	2,102,469 (1,885,324)
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	1,703* (2,427)	-	1,703* (2,427)
Diesel	n/a	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	288,668,122 (160,935,898)	82,540,084 (41,493,890)	40,181,766 (37,755,992)	220,324,442 (162,928,069)	56,454,685 (27,986,390)	688,169,099 (253,834,793)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.



Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-432 **ARRA Period BPAC, Total Over All Evaluated BPACs**
SEP-Attributable Energy Savings by Fuel Type and Sector, Average per Year Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity, Units=MWh	497,354 (282,977)	148,935 (75,943)	82,005 (80,670)	365,438 (265,873)	124,800 (64,301)	1,183,320 (433,788)
Natural Gas, Units=KTherms	9,503 (5,564)	2,371 (1,250)	487 (402)	9,586 (8,601)	2,553 (1,254)	23,549 (10,718)
Oil, Units=KTherms	1,631* (2,222)	776 (387)	72 (41)	1,295 (1,123)	709 (346)	3,803 (2,470)
Propane, Units=KTherms	450 (441)	7 (8)	1* (2)	18 (22)	39 (48)	496 (444)
Kerosene, Units=KTherms	n/a	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	68* (97)	-	68* (97)
Diesel, Units=Site MMBtu	n/a	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	-	-	-	-	-
Other, Units=Site MMBtu	n/a	-	-	-	-	-
Total,	2,855,458	792,723	323,477	2,283,195	755,075	6,822,446

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Units=Site MMBtu	(1,606,408)	(393,413)	(277,990)	(1,727,428)	(362,774)	(2,581,103)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-433 **ARRA Period BPAC, Total Over All Evaluated BPACs**
SEP-Attributable Energy Savings by Fuel Type and Sector, Average per Year Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	5,667,889 (3,224,833)	1,697,278 (865,450)	934,534 (919,322)	4,164,564 (3,029,910)	1,422,229 (732,778)	13,485,206 (4,943,481)
Natural Gas	994,994 (582,512)	248,225 (130,865)	51,031 (42,076)	1,003,691 (900,562)	267,332 (131,273)	2,465,575 (1,122,169)
Oil	164,689* (224,399)	78,385 (39,111)	7,254 (4,167)	130,748 (113,441)	71,589 (34,924)	384,099 (249,483)
Propane	45,479 (44,497)	716 (820)	123* (189)	1,848 (2,209)	3,916 (4,835)	50,059 (44,889)
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	68* (97)	-	68* (97)
Diesel	n/a	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	6,873,051 (3,831,807)	1,965,240 (987,950)	980,043 (920,878)	5,245,820 (3,879,240)	1,764,209 (874,575)	16,384,979 (6,043,686)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period. Estimates that round to zero during the impact period will not be displayed due to suppression.



Table K-434 **ARRA Period BPAC, Total Over All Evaluated BPACs**
SEP-Attributable Energy Savings by Fuel Type and Sector, Row Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	42.0% (17.5%)	12.3% (4.0%)	6.8% (7.2%)	30.9% (16.7%)	8.0% (3.3%)	100.0% (0.0%)
Natural Gas	40.4% (21.6%)	10.1% (3.9%)	1.6% (1.5%)	39.7% (22.3%)	8.3% (4.8%)	100.0% (0.0%)
Oil	42.9% (35.3%)	15.5% (10.4%)	1.4% (1.1%)	25.9% (22.3%)	14.2% (9.6%)	100.0% (0.0%)
Propane	90.9% (10.1%)	0.9%* (1.2%)	-	3.6%* (5.3%)	4.7%* (6.6%)	100.0% (0.0%)
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	100.0% (0.0%)	-	100.0% (0.0%)
Diesel	n/a	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	41.9% (17.5%)	12.0% (3.7%)	5.8% (6.0%)	32.0% (17.2%)	8.2% (3.4%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-435 **ARRA Period BPAC, Total Over All Evaluated BPACs**
SEP-Attributable Energy Savings by Fuel Type and Sector, Column Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	82.5% (6.9%)	84.3% (3.4%)	95.4% (5.4%)	79.4% (3.9%)	80.6% (5.8%)	82.3% (3.3%)
Natural Gas	14.5% (5.9%)	12.6% (2.5%)	4.1% (4.9%)	18.7% (4.4%)	15.2% (4.4%)	15.0% (3.4%)
Oil	2.4% (2.4%)	3.0% (1.4%)	0.6% (0.7%)	1.9% (2.2%)	4.1% (1.3%)	2.3% (1.3%)
Propane	0.7% (0.4%)	-	-	-	0.2% (0.2%)	0.3% (0.2%)
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	-	-	-
Diesel	n/a	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-436 **ARRA Period BPAC, Total Over All Evaluated BPACs**
SEP-Attributable Renewable Generation by Fuel Type and Year, Total Estimates, in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated, Units=MWh	n/a	807,874* (1,101,536)	1,124,355* (1,520,818)	1,729,936 (2,031,571)	2,789,552 (2,808,278)	3,352,064 (3,470,118)	42,946,419 (49,377,862)	85,400,498 (102,142,395)	46,003,918 (55,156,957)	364,300 (340,038)	184,518,917 (217,362,034)
Methane Produced, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	n/a	-	-	32* (44)	64* (87)	96* (131)	1,568* (2,140)	3,519* (4,803)	2,368* (3,231)	96* (131)	7,743* (10,567)
Biodiesel Production, Units=KTherms	n/a	-	-	-	426* (581)	447* (610)	3,821* (5,215)	8,305* (11,335)	2,205* (3,009)	-	15,203* (20,750)
Ethanol Production, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Other, Units=Site	n/a	-	-	-	-	-	-	-	-	-	-

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
MMBtu											
Total, Units=Site MMBtu	n/a	2,756,579* (3,758,596)	3,836,458* (5,189,243)	5,905,984 (6,929,827)	9,525,168 (9,578,034)	11,447,756 (11,834,139)	146,699,789 (168,376,561)	291,758,699 (348,280,638)	157,210,773 (188,037,402)	1,252,642 (1,160,236)	630,393,847 (741,132,674)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-437

ARRA Period BPAC, Total Over All Evaluated BPACs

SEP-Attributable Renewable Generation by Fuel Type and Year, Total Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	n/a	9,200,370* (12,553,191)	12,732,891* (17,331,216)	19,167,374 (23,145,719)	30,824,089 (31,992,330)	37,234,221 (39,536,843)	482,762,922 (562,684,000)	963,722,103 (1,163,994,336)	519,022,468 (628,558,815)	4,010,267 (3,873,601)	2,078,676,705 (2,476,991,409)
Methane Produced	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	-	3,350* (4,572)	6,700* (9,144)	10,049* (13,716)	164,141* (224,023)	368,480* (502,908)	247,887* (338,320)	10,049* (13,716)	810,656* (1,106,398)
Biodiesel Production	n/a	-	-	-	430* (587)	451* (616)	3,859* (5,267)	8,388* (11,448)	2,227* (3,039)	-	15,355* (20,957)
Ethanol Production	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	9,200,370* (12,553,191)	12,732,891* (17,331,216)	19,170,724 (23,143,436)	30,831,219 (31,987,926)	37,244,721 (39,530,149)	482,930,922 (562,571,255)	964,098,972 (1,163,739,210)	519,272,581 (628,385,015)	4,020,317 (3,873,536)	2,079,502,716 (2,476,428,763)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.



Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-438

ARRA Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Renewable Generation by Fuel Type and Year, Average per Year Estimates, in Original Site Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated, Units=MWh	2009-2050	n/a	807,874* (1,101,536)	1,124,355* (1,520,818)	1,729,936 (2,031,571)	2,789,552 (2,808,278)	3,352,064 (3,470,118)	6,135,203 (7,053,980)	8,540,050 (10,214,240)	4,600,392 (5,515,696)	36,430 (34,004)	4,393,308 (5,175,287)
Methane Produced, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	2011-2042	n/a	-	-	32* (44)	64* (87)	96* (131)	224* (306)	352* (480)	237* (323)	48* (65)	242* (330)
Biodiesel Production, Units=KTherms	2012-2032	n/a	-	-	-	426* (581)	447* (610)	546* (745)	831* (1,133)	1,102* (1,505)	-	724* (988)
Ethanol Production, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Other,	n/a	n/a	-	-	-	-	-	-	-	-	-	-

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Units=Site MMBtu												
Total, Units=Site MMBtu	2009-2050	n/a	2,756,579 [*] (3,758,596)	3,836,458 [*] (5,189,243)	5,905,984 (6,929,827)	9,525,168 (9,578,034)	11,447,756 (11,834,139)	20,957,113 (24,053,794)	29,175,870 (34,828,064)	15,721,077 (18,803,740)	125,264 (116,024)	15,009,377 (17,646,016)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-439 ARRA Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Renewable Generation by Fuel Type and Year, Average per Year Estimates, in Source MMBtu Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	2009-2050	n/a	9,200,370 [*] (12,553,191)	12,732,891 [*] (17,331,216)	19,167,374 (23,145,719)	30,824,089 (31,992,330)	37,234,221 (39,536,843)	68,966,132 (80,383,429)	96,372,210 (116,399,434)	51,902,247 (62,855,881)	401,027 (387,360)	49,492,302 (58,975,986)
Methane Produced	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	2011-2042	n/a	-	-	3,350 [*] (4,572)	6,700 [*] (9,144)	10,049 [*] (13,716)	23,449 [*] (32,003)	36,848 [*] (50,291)	24,789 [*] (33,832)	5,025 [*] (6,858)	25,333 [*] (34,575)
Biodiesel Production	2012-2032	n/a	-	-	-	430 [*] (587)	451 [*] (616)	551 [*] (752)	839 [*] (1,145)	1,113 [*] (1,520)	-	731 [*] (998)
Ethanol Production	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Total	2009-2050	n/a	9,200,370 [*] (12,553,191)	12,732,891 [*] (17,331,216)	19,170,724 (23,143,436)	30,831,219 (31,987,926)	37,244,721 (39,530,149)	68,990,132 (80,367,322)	96,409,897 (116,373,921)	51,927,258 (62,838,501)	402,032 (387,354)	49,511,969 (58,962,590)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.



"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-440 **ARRA Period BPAC, Total Over All Evaluated BPACs**
SEP-Attributable Renewable Generation by Fuel Type and Year, Row Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	n/a	0.4% (0.1%)	0.6% (0.1%)	0.9% (0.0%)	1.5% (0.4%)	1.8% (0.4%)	23.2% (1.1%)	46.4% (0.9%)	25.0% (1.1%)	0.2%* (0.3%)	100.0% (0.0%)
Methane Produced	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	-	0.4% (0.0%)	0.8% (0.0%)	1.2% (0.0%)	20.2% (0.0%)	45.5% (0.0%)	30.6% (0.0%)	1.2% (0.0%)	100.0% (0.0%)
Biodiesel Production	n/a	-	-	-	2.8% (0.0%)	2.9% (0.0%)	25.1% (0.0%)	54.6% (0.0%)	14.5% (0.0%)	-	100.0% (0.0%)
Ethanol Production	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	0.4% (0.1%)	0.6% (0.1%)	0.9% (0.0%)	1.5% (0.4%)	1.8% (0.4%)	23.2% (1.1%)	46.4% (0.9%)	25.0% (1.1%)	0.2%* (0.3%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-441 ARRA Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Renewable Generation by Fuel Type and Year, Column Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	n/a	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.1%)	100.0% (0.1%)	100.0% (0.1%)	100.0% (0.1%)	99.8% (0.5%)	100.0% (0.1%)
Methane Produced	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	-	-	-	-	-	-	-	0.2%* (0.5%)	-
Biodiesel Production	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol Production	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-442 **ARRA Period BPAC, Total Over All Evaluated BPACs**
SEP-Attributable Renewable Generation by Sector and Year, Total Estimates, in Site MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	1,862 (1,738)	12,615 (13,338)	58,345 (64,139)	101,584 (102,826)	101,637 (102,438)	686,669 (683,725)	987,262 (920,627)	553,897 (447,164)	39,760* (61,974)	2,543,631 (2,305,618)
Commercial	n/a	799* (1,246)	8,617 (6,124)	39,687 (35,141)	68,215 (61,503)	68,154 (61,351)	461,522 (414,850)	655,139 (563,706)	357,778 (281,088)	14,364* (22,390)	1,674,275 (1,411,848)
Industrial	n/a	2,753,918* (3,758,595)	3,802,118* (5,189,195)	5,672,163 (6,927,777)	9,118,660 (9,574,408)	11,041,123 (11,831,214)	143,898,340 (168,366,678)	287,757,695 (348,271,249)	155,033,322 (188,032,726)	1,198,518 (1,159,824)	620,275,858 (741,105,177)
Public Institutional	n/a	-	7,133 (7,522)	88,624 (81,709)	185,708 (175,838)	185,840 (175,930)	1,300,075 (1,230,946)	1,854,880 (1,756,896)	1,016,060 (977,718)	-	4,638,321 (4,392,980)
Private Institutional	n/a	-	5,974* (8,526)	47,165* (65,453)	51,001* (67,114)	51,001* (67,114)	353,182* (463,956)	503,723* (661,538)	249,715* (324,195)	-	1,261,762* (1,657,591)
Total	n/a	2,756,579* (3,758,596)	3,836,458* (5,189,243)	5,905,984 (6,929,827)	9,525,168 (9,578,034)	11,447,756 (11,834,139)	146,699,789 (168,376,561)	291,758,699 (348,280,638)	157,210,773 (188,037,402)	1,252,642 (1,160,236)	630,393,847 (741,132,674)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

Table K-443 **ARRA Period BPAC, Total Over All Evaluated BPACs**
SEP-Attributable Renewable Generation by Sector and Year, Total Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	1,862 (1,738)	12,615 (13,337)	58,343 (64,136)	101,580 (102,822)	101,633 (102,434)	686,641 (683,697)	987,221 (920,589)	553,874 (447,145)	39,758* (61,972)	2,543,526 (2,305,524)
Commercial	n/a	799* (1,246)	8,616 (6,124)	39,686 (35,140)	68,212 (61,501)	68,152 (61,348)	461,503 (414,833)	655,112 (563,682)	357,763 (281,077)	14,363* (22,389)	1,674,207 (1,411,790)
Industrial	n/a	9,197,709* (12,553,191)	12,698,553* (17,331,202)	18,936,913 (23,142,823)	30,424,728 (31,986,841)	36,838,105 (39,529,274)	480,129,588 (562,568,297)	960,098,132 (1,163,736,400)	517,095,220 (628,383,616)	3,966,195 (3,873,731)	2,069,385,143 (2,476,420,535)
Public Institutional	n/a	-	7,133 (7,522)	88,620 (81,706)	185,700 (175,830)	185,832 (175,923)	1,300,022 (1,230,896)	1,854,804 (1,756,824)	1,016,018 (977,678)	-	4,638,131 (4,392,799)
Private Institutional	n/a	-	5,974* (8,526)	47,163* (65,451)	50,999* (67,111)	50,999* (67,111)	353,168* (463,937)	503,702* (661,511)	249,705* (324,182)	-	1,261,710* (1,657,523)
Total	n/a	9,200,370* (12,553,191)	12,732,891* (17,331,216)	19,170,724 (23,143,436)	30,831,219 (31,987,926)	37,244,721 (39,530,149)	482,930,922 (562,571,255)	964,098,972 (1,163,739,210)	519,272,581 (628,385,015)	4,020,317 (3,873,536)	2,079,502,716 (2,476,428,763)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-444 ARRA Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Renewable Generation by Sector and Year, Average per Year Estimates, in Site MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	2009-2050	n/a	1,862 (1,738)	12,615 (13,338)	58,345 (64,139)	101,584 (102,826)	101,637 (102,438)	98,096 (97,675)	98,726 (92,063)	55,390 (44,716)	3,976* (6,197)	60,563 (54,896)
Commercial	2009-2050	n/a	799* (1,246)	8,617 (6,124)	39,687 (35,141)	68,215 (61,503)	68,154 (61,351)	65,932 (59,264)	65,514 (56,371)	35,778 (28,109)	1,436* (2,239)	39,864 (33,615)
Industrial	2009-2050	n/a	2,753,918* (3,758,595)	3,802,118* (5,189,195)	5,672,163 (6,927,777)	9,118,660 (9,574,408)	11,041,123 (11,831,214)	20,556,906 (24,052,383)	28,775,770 (34,827,125)	15,503,332 (18,803,273)	119,852 (115,982)	14,768,473 (17,645,361)
Public Institutional	2010-2036	n/a	-	7,133 (7,522)	88,624 (81,709)	185,708 (175,838)	185,840 (175,930)	185,725 (175,849)	185,488 (175,690)	169,343 (162,953)	-	171,790 (162,703)
Private Institutional	2010-2036	n/a	-	5,974* (8,526)	47,165* (65,453)	51,001* (67,114)	51,001* (67,114)	50,455* (66,279)	50,372* (66,154)	41,619* (54,033)	-	46,732* (61,392)
Total	2009-2050	n/a	2,756,579* (3,758,596)	3,836,458* (5,189,243)	5,905,984 (6,929,827)	9,525,168 (9,578,034)	11,447,756 (11,834,139)	20,957,113 (24,053,794)	29,175,870 (34,828,064)	15,721,077 (18,803,740)	125,264 (116,024)	15,009,377 (17,646,016)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-445 ARRA Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Renewable Generation by Sector and Year, Average per Year Estimates, in Source MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	2009-2050	n/a	1,862 (1,738)	12,615 (13,337)	58,343 (64,136)	101,580 (102,822)	101,633 (102,434)	98,092 (97,671)	98,722 (92,059)	55,387 (44,715)	3,976* (6,197)	60,560 (54,893)
Commercial	2009-2050	n/a	799* (1,246)	8,616 (6,124)	39,686 (35,140)	68,212 (61,501)	68,152 (61,348)	65,929 (59,262)	65,511 (56,368)	35,776 (28,108)	1,436* (2,239)	39,862 (33,614)
Industrial	2009-2050	n/a	9,197,709* (12,553,191)	12,698,553* (17,331,202)	18,936,913 (23,142,823)	30,424,728 (31,986,841)	36,838,105 (39,529,274)	68,589,941 (80,366,900)	96,009,813 (116,373,640)	51,709,522 (62,838,362)	396,620 (387,373)	49,271,075 (58,962,394)
Public Institutional	2010-2036	n/a	-	7,133 (7,522)	88,620 (81,706)	185,700 (175,830)	185,832 (175,923)	185,717 (175,842)	185,480 (175,682)	169,336 (162,946)	-	171,783 (162,696)
Private Institutional	2010-2036	n/a	-	5,974* (8,526)	47,163* (65,451)	50,999* (67,111)	50,999* (67,111)	50,453* (66,277)	50,370* (66,151)	41,618* (54,030)	-	46,730* (61,390)
Total	2009-2050	n/a	9,200,370* (12,553,191)	12,732,891* (17,331,216)	19,170,724 (23,143,436)	30,831,219 (31,987,926)	37,244,721 (39,530,149)	68,990,132 (80,367,322)	96,409,897 (116,373,921)	51,927,258 (62,838,501)	402,032 (387,354)	49,511,969 (58,962,590)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-446 **ARRA Period BPAC, Total Over All Evaluated BPACs**
SEP-Attributable Renewable Generation by Sector and Year, Row Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	0.1% (0.0%)	0.5% (0.1%)	2.3% (0.7%)	4.0% (0.6%)	4.0% (0.6%)	27.0% (3.3%)	38.8% (1.5%)	21.8% (3.4%)	1.6%* (3.2%)	100.0% (0.0%)
Commercial	n/a	-	0.5% (0.3%)	2.4% (0.4%)	4.1% (0.3%)	4.1% (0.3%)	27.6% (2.0%)	39.1% (1.0%)	21.4% (1.9%)	0.9%* (1.7%)	100.0% (0.0%)
Industrial	n/a	0.4% (0.1%)	0.6% (0.1%)	0.9% (0.0%)	1.5% (0.4%)	1.8% (0.4%)	23.2% (1.1%)	46.4% (0.9%)	25.0% (1.1%)	0.2%* (0.3%)	100.0% (0.0%)
Public Institutional	n/a	-	0.2% (0.1%)	1.9% (0.8%)	4.0% (0.0%)	4.0% (0.0%)	28.0% (0.1%)	40.0% (0.0%)	21.9% (0.9%)	-	100.0% (0.0%)
Private Institutional	n/a	-	0.5% (0.1%)	3.7% (0.5%)	4.0% (0.0%)	4.0% (0.0%)	28.0% (0.0%)	39.9% (0.0%)	19.8% (0.6%)	-	100.0% (0.0%)
Total	n/a	0.4% (0.1%)	0.6% (0.1%)	0.9% (0.0%)	1.5% (0.4%)	1.8% (0.4%)	23.2% (1.1%)	46.4% (0.9%)	25.0% (1.1%)	0.2%* (0.3%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-447

ARRA Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Renewable Generation by Sector and Year, Column Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	0.1%* (0.2%)	0.3%* (0.5%)	0.3%* (0.5%)	0.3%* (0.4%)	0.1%* (0.2%)	0.1%* (0.2%)	0.1%* (0.2%)	1.0%* (1.7%)	0.1%* (0.2%)
Commercial	n/a	-	0.1%* (0.1%)	0.2%* (0.3%)	0.2%* (0.3%)	0.2%* (0.3%)	0.1%* (0.1%)	0.1%* (0.1%)	0.1%* (0.1%)	0.4%* (0.6%)	0.1%* (0.1%)
Industrial	n/a	100.0% (0.0%)	99.7% (0.4%)	98.8% (1.7%)	98.7% (1.6%)	98.9% (1.4%)	99.4% (0.8%)	99.6% (0.6%)	99.6% (0.6%)	98.7% (2.3%)	99.5% (0.7%)
Public Institutional	n/a	-	0.1%* (0.1%)	0.5%* (0.8%)	0.6%* (0.9%)	0.5%* (0.8%)	0.3%* (0.4%)	0.2%* (0.3%)	0.2%* (0.3%)	-	0.2%* (0.4%)
Private Institutional	n/a	-	-	0.2%* (0.5%)	0.2%* (0.3%)	0.1%* (0.2%)	0.1%* (0.1%)	0.1%* (0.1%)	-	-	0.1%* (0.1%)
Total	n/a	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-448

ARRA Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Renewable Generation by Fuel Type and Sector, Total Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated, Units=MWh	745,465 (675,710)	490,682 (413,772)	181,553,626 (217,353,981)	1,359,358 (1,287,456)	369,786* (485,792)	184,518,917 (217,362,034)
Methane Produced, Units=KTherms	n/a	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	n/a	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	n/a	-	7,743* (10,567)	-	-	7,743* (10,567)
Biodiesel Production, Units=KTherms	n/a	-	15,203* (20,750)	-	-	15,203* (20,750)
Ethanol Production, Units=Site MMBtu	n/a	-	-	-	-	-
Other,	n/a	-	-	-	-	-

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Units=Site MMBtu						
Total, Units=Site MMBtu	2,543,631 (2,305,618)	1,674,275 (1,411,848)	619,509,335 (741,635,990)	4,638,321 (4,392,980)	1,261,762* (1,657,591)	629,627,324 (741,663,467)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-449 ARRA Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Renewable Generation by Fuel Type and Sector, Total Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated	2,543,526 (2,305,524)	1,674,207 (1,411,790)	2,068,559,131 (2,476,983,182)	4,638,131 (4,392,799)	1,261,710* (1,657,523)	2,078,676,705 (2,476,991,409)
Methane Produced	n/a	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	810,656* (1,106,398)	-	-	810,656* (1,106,398)
Biodiesel Production	n/a	-	15,355* (20,957)	-	-	15,355* (20,957)
Ethanol Production	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	2,543,526 (2,305,524)	1,674,207 (1,411,790)	2,069,385,143 (2,476,420,535)	4,638,131 (4,392,799)	1,261,710* (1,657,523)	2,079,502,716 (2,476,428,763)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.



"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-450

ARRA Period BPAC, Total Over All Evaluated BPACs

SEP-Attributable Renewable Generation by Fuel Type and Sector, Average per Year Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated, Units=MWh	17,749 (16,088)	11,683 (9,852)	4,322,705 (5,175,095)	50,347 (47,684)	13,696* (17,992)	4,393,308 (5,175,287)
Methane Produced, Units=KTherms	n/a	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	n/a	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	n/a	-	242* (330)	-	-	242* (330)
Biodiesel Production, Units=KTherms	n/a	-	724* (988)	-	-	724* (988)
Ethanol Production, Units=Site MMBtu	n/a	-	-	-	-	-
Other,	n/a	-	-	-	-	-

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Units=Site MMBtu						
Total, Units=Site MMBtu	60,563 (54,896)	39,864 (33,615)	14,750,222 (17,658,000)	171,790 (162,703)	46,732* (61,392)	14,991,127 (17,658,654)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-451 ARRA Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Renewable Generation by Fuel Type and Sector, Average per Year Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated	60,560 (54,893)	39,862 (33,614)	49,251,408 (58,975,790)	171,783 (162,696)	46,730* (61,390)	49,492,302 (58,975,986)
Methane Produced	n/a	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	25,333* (34,575)	-	-	25,333* (34,575)
Biodiesel Production	n/a	-	731* (998)	-	-	731* (998)
Ethanol Production	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	60,560 (54,893)	39,862 (33,614)	49,271,075 (58,962,394)	171,783 (162,696)	46,730* (61,390)	49,511,969 (58,962,590)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

""*"" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period. Estimates that round to zero during the impact period will not be displayed due to suppression.



Table K-452 **ARRA Period BPAC, Total Over All Evaluated BPACs**
SEP-Attributable Renewable Generation by Fuel Type and Sector, Row Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated	0.1%* (0.2%)	0.1%* (0.1%)	99.5% (0.7%)	0.2%* (0.4%)	0.1%* (0.1%)	100.0% (0.0%)
Methane Produced	n/a	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	100.0% (0.0%)	-	-	100.0% (0.0%)
Biodiesel Production	n/a	-	100.0% (0.0%)	-	-	100.0% (0.0%)
Ethanol Production	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	0.1%* (0.2%)	0.1%* (0.1%)	99.5% (0.7%)	0.2%* (0.4%)	0.1%* (0.1%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-453 **ARRA Period BPAC, Total Over All Evaluated BPACs**
SEP-Attributable Renewable Generation by Fuel Type and Sector, Column Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.1%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.1%)
Methane Produced	n/a	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	-	-	-	-
Biodiesel Production	n/a	-	-	-	-	-
Ethanol Production	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-454 ARRA Period BPAC, Total Over All Evaluated BPACs
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Year, Total Estimates, in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	n/a	14,972 (16,036)	333,351 (225,097)	882,708 (515,813)	1,447,681 (664,215)	1,569,642 (661,176)	13,763,116 (4,205,882)	21,453,312 (7,813,576)	11,657,437 (5,291,607)	1,567,540 (1,395,903)	52,689,760 (18,218,490)
Natural Gas, Units=KTherms	n/a	2,715* (3,891)	4,265 (4,096)	15,876 (12,133)	28,845 (23,325)	31,418 (23,385)	245,836 (101,644)	405,675 (168,172)	231,340 (138,565)	30,829 (36,720)	996,798 (450,278)
Oil, Units=KTherms	n/a	3* (5)	663* (927)	3,730 (2,767)	4,264 (3,170)	4,946 (3,398)	42,769 (25,907)	68,700 (41,660)	30,045 (21,569)	4,623* (6,940)	159,743 (103,744)
Propane, Units=KTherms	n/a	25* (39)	153 (131)	471 (463)	586 (553)	615 (561)	5,365 (4,428)	8,745 (7,432)	3,988 (3,938)	921* (1,374)	20,868 (18,665)
Kerosene, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	73* (104)	73* (104)	73* (104)	508* (725)	733* (1,045)	243* (347)	-	1,703* (2,427)
Diesel, Units=Site MMBtu	n/a	-	1,185* (1,849)	1,298* (2,024)	3,459 (3,387)	3,480 (3,392)	25,054 (23,930)	38,638 (35,237)	17,967 (18,238)	-	91,081 (85,993)
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	-	562* (877)	1,183* (1,846)	823* (1,284)	769* (1,199)	5,380* (8,393)	7,686* (11,990)	3,469* (5,411)	-	19,872* (31,001)
Other, Units=Site	n/a	-	-	-	-	-	-	-	-	-	-

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
MMBtu											
Total, Units=Site MMBtu	n/a	325,332* (416,773)	1,647,375 (1,081,778)	5,022,128 (3,042,586)	8,313,622 (4,543,126)	9,058,022 (4,523,084)	76,389,578 (24,068,744)	121,560,666 (43,199,561)	66,335,818 (31,896,921)	8,985,928 (8,568,199)	297,638,469 (108,428,269)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-455 **ARRA Period BPAC, Total Over All Evaluated BPACs**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type
and Year, Total Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	170,621 (182,749)	3,798,897 (2,565,220)	10,059,411 (5,878,244)	16,497,890 (7,569,451)	17,887,767 (7,534,814)	156,845,573 (47,930,565)	244,483,665 (89,044,134)	132,849,086 (60,303,582)	17,863,810 (15,907,818)	600,456,720 (207,619,375)
Natural Gas	n/a	284,225* (407,367)	446,592 (428,857)	1,662,252 (1,270,331)	3,020,079 (2,442,098)	3,289,442 (2,448,413)	25,739,004 (10,642,083)	42,474,138 (17,607,628)	24,221,292 (14,507,790)	3,227,764 (3,844,598)	104,364,789 (47,144,090)
Oil	n/a	309* (471)	67,011* (93,675)	376,684 (279,459)	430,705 (320,152)	499,527 (343,159)	4,319,675 (2,616,572)	6,938,658 (4,207,610)	3,034,572 (2,178,502)	466,907* (700,972)	16,134,050 (10,478,136)
Propane	n/a	2,498* (3,894)	15,447 (13,255)	47,535 (46,791)	59,214 (55,898)	62,117 (56,708)	541,838 (447,194)	883,221 (750,601)	402,799 (397,727)	93,030* (138,753)	2,107,700 (1,885,209)
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	73* (104)	73* (104)	73* (104)	508* (725)	733* (1,045)	243* (347)	-	1,703* (2,427)
Diesel	n/a	-	1,197* (1,868)	1,311* (2,045)	3,494 (3,420)	3,515 (3,426)	25,305 (24,169)	39,025 (35,589)	18,146 (18,420)	-	91,992 (86,853)
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	568* (886)	1,195* (1,864)	832* (1,297)	776* (1,211)	5,434* (8,477)	7,763* (12,110)	3,503* (5,465)	-	20,071* (31,311)
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	457,654 (515,253)	4,329,713 (2,858,081)	12,148,459 (7,185,279)	20,012,286 (9,865,346)	21,743,217 (9,807,616)	187,477,338 (57,230,92)	294,827,204 (105,794,0)	160,529,642 (74,387,81)	21,651,511 (19,806,64)	723,177,025 (253,857,8)

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
				)	)	)	8)	48)	1)	2)	18)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-456

ARRA Period BPAC, Total Over All Evaluated BPACs

SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Year, Average per Year Estimates, in Original Site Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	2009-2050	n/a	14,972 (16,036)	333,351 (225,097)	882,708 (515,813)	1,447,681 (664,215)	1,569,642 (661,176)	1,966,159 (600,840)	2,145,331 (781,358)	1,165,744 (529,161)	156,754 (139,590)	1,254,518 (433,774)
Natural Gas, Units=KTherms	2009-2050	n/a	2,715* (3,891)	4,265 (4,096)	15,876 (12,133)	28,845 (23,325)	31,418 (23,385)	35,119 (14,521)	40,567 (16,817)	23,134 (13,857)	3,083 (3,672)	23,733 (10,721)
Oil, Units=KTherms	2009-2050	n/a	3* (5)	663* (927)	3,730 (2,767)	4,264 (3,170)	4,946 (3,398)	6,110 (3,701)	6,870 (4,166)	3,005 (2,157)	462* (694)	3,803 (2,470)
Propane, Units=KTherms	2009-2050	n/a	25* (39)	153 (131)	471 (463)	586 (553)	615 (561)	766 (633)	874 (743)	399 (394)	92* (137)	497 (444)
Kerosene, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	2011-2035	n/a	-	-	73* (104)	73* (104)	73* (104)	73* (104)	73* (104)	49* (69)	-	68* (97)
Diesel, Units=Site MMBtu	2010-2036	n/a	-	1,185* (1,849)	1,298* (2,024)	3,459 (3,387)	3,480 (3,392)	3,579 (3,419)	3,864 (3,524)	2,994 (3,040)	-	3,373 (3,185)
Ethanol, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	2010-2035	n/a	-	562* (877)	1,183* (1,846)	823* (1,284)	769* (1,199)	769* (1,199)	769* (1,199)	694* (1,082)	-	764* (1,192)
Other, Units=Site	n/a	n/a	-	-	-	-	-	-	-	-	-	-

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
MMBtu												
Total, Units=Site MMBtu	2009- 2050	n/a	325,332* (416,773)	1,647,375 (1,081,778)	5,022,128 (3,042,586)	8,313,622 (4,543,126)	9,058,022 (4,523,084)	10,912,797 (3,438,392)	12,156,067 (4,319,956)	6,633,582 (3,189,692)	898,593 (856,820)	7,086,630 (2,581,625)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-457 **ARRA Period BPAC, Total Over All Evaluated BPACs**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type
and Year, Average per Year Estimates, in Source MMBtu Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	2009-2050	n/a	170,621 (182,749)	3,798,897 (2,565,220)	10,059,411 (5,878,244)	16,497,890 (7,569,451)	17,887,767 (7,534,814)	22,406,510 (6,847,224)	24,448,367 (8,904,413)	13,284,909 (6,030,358)	1,786,381 (1,590,782)	14,296,589 (4,943,318)
Natural Gas	2009-2050	n/a	284,225* (407,367)	446,592 (428,857)	1,662,252 (1,270,331)	3,020,079 (2,442,098)	3,289,442 (2,448,413)	3,677,001 (1,520,298)	4,247,414 (1,760,763)	2,422,129 (1,450,779)	322,776 (384,460)	2,484,876 (1,122,478)
Oil	2009-2050	n/a	309* (471)	67,011* (93,675)	376,684 (279,459)	430,705 (320,152)	499,527 (343,159)	617,096 (373,796)	693,866 (420,761)	303,457 (217,850)	46,691* (70,097)	384,144 (249,479)
Propane	2009-2050	n/a	2,498* (3,894)	15,447 (13,255)	47,535 (46,791)	59,214 (55,898)	62,117 (56,708)	77,405 (63,885)	88,322 (75,060)	40,280 (39,773)	9,303* (13,875)	50,183 (44,886)
Kerosene	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Wood	2011-2035	n/a	-	-	73* (104)	73* (104)	73* (104)	73* (104)	73* (104)	49* (69)	-	68* (97)
Diesel	2010-2036	n/a	-	1,197* (1,868)	1,311* (2,045)	3,494 (3,420)	3,515 (3,426)	3,615 (3,453)	3,902 (3,559)	3,024 (3,070)	-	3,407 (3,217)
Ethanol	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	2010-2035	n/a	-	568* (886)	1,195* (1,864)	832* (1,297)	776* (1,211)	776* (1,211)	776* (1,211)	701* (1,093)	-	772* (1,204)
Other	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Total	2009-2050	n/a	457,654 (515,253)	4,329,713 (2,858,081)	12,148,459 (7,185,279)	20,012,286 (9,865,346)	21,743,217 (9,807,616)	26,782,477 (8,175,847)	29,482,720 (10,579,405)	16,052,964 (7,438,781)	2,165,151 (1,980,664)	17,218,501 (6,044,234)

Note:



Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-458 **ARRA Period BPAC, Total Over All Evaluated BPACs**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type
and Year, Row Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	-	0.6% (0.4%)	1.7% (0.8%)	2.7% (1.0%)	3.0% (1.0%)	26.1% (4.0%)	40.7% (3.0%)	22.1% (3.9%)	3.0% (2.0%)	100.0% (0.0%)
Natural Gas	n/a	0.3%* (0.4%)	0.4% (0.4%)	1.6% (1.0%)	2.9% (1.9%)	3.2% (1.9%)	24.7% (5.1%)	40.7% (4.8%)	23.2% (5.6%)	3.1% (2.6%)	100.0% (0.0%)
Oil	n/a	-	0.4%* (0.6%)	2.3% (0.5%)	2.7% (0.5%)	3.1% (0.5%)	26.8% (2.8%)	43.0% (2.5%)	18.8% (2.9%)	2.9% (2.8%)	100.0% (0.0%)
Propane	n/a	0.1%* (0.2%)	0.7% (0.8%)	2.3% (0.5%)	2.8% (0.5%)	2.9% (0.4%)	25.7% (2.2%)	41.9% (2.9%)	19.1% (2.4%)	4.4% (3.0%)	100.0% (0.0%)
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	4.3% (0.0%)	4.3% (0.0%)	4.3% (0.0%)	29.9% (0.0%)	43.0% (0.0%)	14.3% (0.0%)	-	100.0% (0.0%)
Diesel	n/a	-	1.3%* (1.6%)	1.4%* (1.8%)	3.8% (0.3%)	3.8% (0.3%)	27.5% (0.7%)	42.4% (3.6%)	19.7% (3.8%)	-	100.0% (0.0%)
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	2.8% (0.0%)	6.0% (0.0%)	4.1% (0.0%)	3.9% (0.0%)	27.1% (0.0%)	38.7% (0.0%)	17.5% (0.0%)	-	100.0% (0.0%)
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	0.1% (0.1%)	0.6% (0.3%)	1.7% (0.8%)	2.8% (1.1%)	3.0% (1.0%)	25.9% (3.9%)	40.8% (3.0%)	22.2% (4.0%)	3.0% (2.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-459 **ARRA Period BPAC, Total Over All Evaluated BPACs**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Year, Column Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	37.3% (31.6%)	87.7% (7.4%)	82.8% (4.0%)	82.4% (5.6%)	82.3% (5.4%)	83.7% (3.7%)	82.9% (3.3%)	82.8% (3.5%)	82.5% (6.2%)	83.0% (3.2%)
Natural Gas	n/a	62.1% (31.8%)	10.3% (7.0%)	13.7% (4.1%)	15.1% (6.2%)	15.1% (5.9%)	13.7% (3.7%)	14.4% (3.3%)	15.1% (3.8%)	14.9% (6.1%)	14.4% (3.3%)
Oil	n/a	0.1% (0.0%)	1.5%* (2.3%)	3.1% (2.3%)	2.2% (1.6%)	2.3% (1.6%)	2.3% (1.2%)	2.4% (1.2%)	1.9% (1.3%)	2.2%* (3.2%)	2.2% (1.2%)
Propane	n/a	0.5%* (1.0%)	0.4% (0.4%)	0.4% (0.3%)	0.3% (0.3%)	0.3% (0.2%)	0.3% (0.2%)	0.3% (0.2%)	0.3% (0.2%)	0.4%* (0.6%)	0.3% (0.2%)
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-460

ARRA Period BPAC, Total Over All Evaluated BPACs

SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and Year, Total Estimates, in Site MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	291,430* (413,745)	738,441 (877,903)	1,510,732 (1,729,006)	1,856,020 (1,855,040)	2,232,433 (1,945,203)	28,375,948 (16,584,983)	54,453,694 (27,307,332)	29,752,865 (15,232,450)	3,261,295 (3,512,830)	122,472,857 (67,359,177)
Commercial	n/a	1,814 (2,014)	28,259 (26,317)	178,340 (81,988)	315,109 (127,444)	463,919 (186,972)	7,048,708 (3,181,081)	15,702,819 (7,320,387)	10,099,603 (6,016,525)	1,130,076* (1,612,543)	34,968,647 (16,504,417)
Industrial	n/a	-	397,125* (605,129)	426,565* (600,503)	698,843 (709,978)	740,309 (704,630)	5,533,065 (4,917,900)	5,246,843 (3,825,557)	1,023,579 (466,144)	173,944* (235,229)	14,240,273 (11,449,464)
Public Institutional	n/a	32,088* (49,086)	454,889 (256,042)	2,631,353 (2,509,035)	5,072,653 (4,198,346)	5,125,394 (4,105,727)	28,884,384 (16,446,187)	33,859,468 (26,344,571)	20,077,335 (22,126,943)	4,394,964* (6,314,614)	100,532,528 (72,733,284)
Private Institutional	n/a	-	28,662 (16,704)	275,138 (149,634)	370,997 (165,052)	495,967 (189,753)	6,547,472 (2,768,897)	12,297,842 (5,767,602)	5,382,437 (2,789,747)	25,649 (23,212)	25,424,163 (11,600,347)
Total	n/a	325,332* (416,773)	1,647,375 (1,081,778)	5,022,128 (3,042,586)	8,313,622 (4,543,126)	9,058,022 (4,523,084)	76,389,578 (24,068,744)	121,560,666 (43,199,561)	66,335,818 (31,896,921)	8,985,928 (8,568,199)	297,638,469 (108,428,269)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.



Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

Table K-461 **ARRA Period BPAC, Total Over All Evaluated BPACs**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and
Year, Total Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	346,754* (488,292)	1,622,811 (1,991,284)	3,551,251 (3,988,058)	4,440,713 (4,221,657)	5,456,946 (4,517,770)	69,001,323 (40,105,328)	131,947,773 (66,558,561)	72,691,686 (36,354,517)	8,104,245 (8,334,489)	297,163,500 (160,291,223)
Commercial	n/a	3,731 (4,479)	51,305 (39,661)	418,934 (201,133)	776,399 (323,674)	1,129,121 (436,297)	17,491,688 (7,833,533)	39,296,864 (18,121,604)	25,822,655 (15,697,378)	3,003,407* (4,275,405)	87,994,105 (41,436,188)
Industrial	n/a	-	1,326,164* (2,021,048)	1,393,364* (2,007,444)	2,239,743 (2,366,863)	2,282,535 (2,338,728)	16,722,883 (16,307,994)	14,892,074 (12,516,236)	2,223,473 (1,007,795)	556,310* (784,514)	41,636,547 (37,784,575)
Public Institutional	n/a	107,169* (163,941)	1,257,674 (693,564)	6,210,531 (5,899,239)	11,752,106 (8,994,033)	11,775,818 (8,702,529)	68,810,061 (37,259,663)	79,442,752 (60,018,627)	46,427,141 (49,027,431)	9,930,825* (14,059,401)	235,714,076 (163,820,535)
Private Institutional	n/a	-	71,759 (44,418)	574,380 (301,351)	803,325 (342,192)	1,098,797 (389,619)	15,451,384 (6,632,316)	29,247,742 (13,935,689)	13,364,687 (6,786,017)	56,724 (50,767)	60,668,797 (27,974,311)
Total	n/a	457,654 (515,253)	4,329,713 (2,858,081)	12,148,459 (7,185,279)	20,012,286 (9,865,346)	21,743,217 (9,807,616)	187,477,338 (57,230,928)	294,827,204 (105,794,048)	160,529,642 (74,387,811)	21,651,511 (19,806,642)	723,177,025 (253,857,818)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.



Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-462 **ARRA Period BPAC, Total Over All Evaluated BPACs**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and
Year, Average per Year Estimates, in Site MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	2009-2050	n/a	291,430* (413,745)	738,441 (877,903)	1,510,732 (1,729,006)	1,856,020 (1,855,040)	2,232,433 (1,945,203)	4,053,707 (2,369,283)	5,445,369 (2,730,733)	2,975,287 (1,523,245)	326,129 (351,283)	2,916,020 (1,603,790)
Commercial	2009-2050	n/a	1,814 (2,014)	28,259 (26,317)	178,340 (81,988)	315,109 (127,444)	463,919 (186,972)	1,006,958 (454,440)	1,570,282 (732,039)	1,009,960 (601,653)	113,008* (161,254)	832,587 (392,962)
Industrial	2010-2050	n/a	-	397,125* (605,129)	426,565* (600,503)	698,843 (709,978)	740,309 (704,630)	790,438 (702,557)	524,684 (382,556)	102,358 (46,614)	17,394* (23,523)	347,324 (279,255)
Public Institutional	2009-2050	n/a	32,088* (49,086)	454,889 (256,042)	2,631,353 (2,509,035)	5,072,653 (4,198,346)	5,125,394 (4,105,727)	4,126,341 (2,349,455)	3,385,947 (2,634,457)	2,007,733 (2,212,694)	439,496* (631,461)	2,393,632 (1,731,745)
Private Institutional	2010-2041	n/a	-	28,662 (16,704)	275,138 (149,634)	370,997 (165,052)	495,967 (189,753)	935,353 (395,557)	1,229,784 (576,760)	538,244 (278,975)	25,649 (23,212)	794,505 (362,511)
Total	2009-2050	n/a	325,332* (416,773)	1,647,375 (1,081,778)	5,022,128 (3,042,586)	8,313,622 (4,543,126)	9,058,022 (4,523,084)	10,912,797 (3,438,392)	12,156,067 (4,319,956)	6,633,582 (3,189,692)	898,593 (856,820)	7,086,630 (2,581,625)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-463 **ARRA Period BPAC, Total Over All Evaluated BPACs**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and Year, Average per Year Estimates, in Source MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	2009-2050	n/a	346,754* (488,292)	1,622,811 (1,991,284)	3,551,251 (3,988,058)	4,440,713 (4,221,657)	5,456,946 (4,517,770)	9,857,332 (5,729,333)	13,194,777 (6,655,856)	7,269,169 (3,635,452)	810,425 (833,449)	7,075,321 (3,816,458)
Commercial	2009-2050	n/a	3,731 (4,479)	51,305 (39,661)	418,934 (201,133)	776,399 (323,674)	1,129,121 (436,297)	2,498,813 (1,119,076)	3,929,686 (1,812,160)	2,582,266 (1,569,738)	300,341* (427,540)	2,095,098 (986,576)
Industrial	2010-2050	n/a	-	1,326,164* (2,021,048)	1,393,364* (2,007,444)	2,239,743 (2,366,863)	2,282,535 (2,338,728)	2,388,983 (2,329,713)	1,489,207 (1,251,624)	222,347 (100,780)	55,631* (78,451)	1,015,526 (921,575)
Public Institutional	2009-2050	n/a	107,169* (163,941)	1,257,674 (693,564)	6,210,531 (5,899,239)	11,752,106 (8,994,033)	11,775,818 (8,702,529)	9,830,009 (5,322,809)	7,944,275 (6,001,863)	4,642,714 (4,902,743)	993,082* (1,405,940)	5,612,240 (3,900,489)
Private Institutional	2010-2041	n/a	-	71,759 (44,418)	574,380 (301,351)	803,325 (342,192)	1,098,797 (389,619)	2,207,341 (947,474)	2,924,774 (1,393,569)	1,336,469 (678,602)	56,724 (50,767)	1,895,900 (874,197)
Total	2009-2050	n/a	457,654 (515,253)	4,329,713 (2,858,081)	12,148,459 (7,185,279)	20,012,286 (9,865,346)	21,743,217 (9,807,616)	26,782,477 (8,175,847)	29,482,720 (10,579,405)	16,052,964 (7,438,781)	2,165,151 (1,980,664)	17,218,501 (6,044,234)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.



"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-464 **ARRA Period BPAC, Total Over All Evaluated BPACs**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and
Year, Row Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	0.1% (0.1%)	0.5% (0.5%)	1.2% (0.9%)	1.5% (0.8%)	1.8% (0.7%)	23.2% (2.2%)	44.4% (4.0%)	24.5% (2.6%)	2.7% (2.0%)	100.0% (0.0%)
Commercial	n/a	-	0.1% (0.0%)	0.5% (0.1%)	0.9% (0.3%)	1.3% (0.4%)	19.9% (5.3%)	44.7% (4.9%)	29.3% (6.9%)	3.4% (3.8%)	100.0% (0.0%)
Industrial	n/a	-	3.2% (2.9%)	3.3% (2.7%)	5.4% (0.9%)	5.5% (0.7%)	40.2% (2.9%)	35.8% (3.6%)	5.3% (4.3%)	1.3% (1.6%)	100.0% (0.0%)
Public Institutional	n/a	-	0.5% (0.2%)	2.6% (2.3%)	5.0% (3.4%)	5.0% (3.2%)	29.2% (10.0%)	33.7% (6.5%)	19.7% (9.2%)	4.2% (3.4%)	100.0% (0.0%)
Private Institutional	n/a	-	0.1% (0.1%)	0.9% (0.4%)	1.3% (0.4%)	1.8% (0.4%)	25.5% (1.3%)	48.2% (1.2%)	22.0% (1.6%)	0.1% (0.1%)	100.0% (0.0%)
Total	n/a	0.1% (0.1%)	0.6% (0.3%)	1.7% (0.8%)	2.8% (1.1%)	3.0% (1.0%)	25.9% (3.9%)	40.8% (3.0%)	22.2% (4.0%)	3.0% (2.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-465 **ARRA Period BPAC, Total Over All Evaluated BPACs**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and
Year, Column Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	75.8% (37.5%)	37.5% (33.8%)	29.2% (27.3%)	22.2% (19.1%)	25.1% (18.3%)	36.8% (15.2%)	44.8% (16.0%)	45.3% (21.9%)	37.4% (39.3%)	41.1% (16.7%)
Commercial	n/a	0.8%* (1.3%)	1.2% (1.2%)	3.4% (2.5%)	3.9% (2.3%)	5.2% (2.6%)	9.3% (3.1%)	13.3% (3.7%)	16.1% (5.0%)	13.9% (9.8%)	12.2% (3.6%)
Industrial	n/a	-	30.6% (36.2%)	11.5%* (16.9%)	11.2% (12.7%)	10.5% (11.5%)	8.9% (8.8%)	5.1% (4.7%)	1.4% (1.0%)	2.6%* (5.1%)	5.8% (5.7%)
Public Institutional	n/a	23.4%* (37.1%)	29.0% (23.1%)	51.1% (31.3%)	58.7% (24.4%)	54.2% (23.3%)	36.7% (15.9%)	26.9% (15.7%)	28.9% (20.2%)	45.9% (32.3%)	32.6% (16.4%)
Private Institutional	n/a	-	1.7% (1.5%)	4.7% (3.6%)	4.0% (2.5%)	5.1% (2.7%)	8.2% (3.0%)	9.9% (3.7%)	8.3% (4.3%)	0.3%* (0.3%)	8.4% (3.4%)
Total	n/a	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

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"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-466

ARRA Period BPAC, Total Over All Evaluated BPACs

SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Total Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity, Units=MWh	21,634,343 (11,811,753)	6,579,690 (3,108,916)	3,417,375 (3,308,580)	16,694,971 (11,266,657)	4,363,380 (2,057,631)	52,689,760 (18,218,490)
Natural Gas, Units=KTherms	399,138 (233,672)	99,574 (52,496)	23,340 (16,645)	393,041 (352,656)	81,706 (40,122)	996,798 (450,278)
Oil, Units=KTherms	68,484* (93,315)	24,854 (12,391)	2,298 (1,320)	41,425 (35,942)	22,682 (11,065)	159,743 (103,744)
Propane, Units=KTherms	18,912 (18,504)	229 (193)	7* (11)	750 (897)	969 (1,197)	20,868 (18,665)
Kerosene, Units=KTherms	n/a	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	1,703* (2,427)	-	1,703* (2,427)
Diesel, Units=Site MMBtu	n/a	32,221* (50,264)	15,203* (20,750)	43,657* (66,617)	-	91,081 (85,993)
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	19,872* (31,001)	-	-	-	19,872* (31,001)
Other, Units=Site MMBtu	n/a	-	-	-	-	-

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Total, Units=Site MMBtu	122,472,857 (67,359,177)	34,968,647 (16,504,417)	14,240,273 (11,449,464)	100,532,528 (72,733,284)	25,424,163 (11,600,347)	297,638,469 (108,428,269)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-467 **ARRA Period BPAC, Total Over All Evaluated BPACs**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Total Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	246,546,707 (134,607,683)	74,982,678 (35,429,458)	38,944,683 (37,704,839)	190,257,225 (128,395,720)	49,725,428 (23,448,927)	600,456,720 (207,619,375)
Natural Gas	41,789,732 (24,465,486)	10,425,445 (5,496,332)	2,443,647 (1,742,692)	41,151,343 (36,923,056)	8,554,623 (4,200,733)	104,364,789 (47,144,090)
Oil	6,916,929* (9,424,775)	2,510,234 (1,251,506)	232,121 (133,340)	4,183,932 (3,630,100)	2,290,834 (1,117,558)	16,134,050 (10,478,136)
Propane	1,910,133 (1,868,893)	23,134 (19,491)	740* (1,135)	75,781 (90,566)	97,912 (120,863)	2,107,700 (1,885,209)
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	1,703* (2,427)	-	1,703* (2,427)
Diesel	n/a	32,543* (50,766)	15,355* (20,957)	44,094* (67,283)	-	91,992 (86,853)
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	20,071* (31,311)	-	-	-	20,071* (31,311)
Other	n/a	-	-	-	-	-
Total	297,163,500 (160,291,223)	87,994,105 (41,436,188)	41,636,547 (37,784,575)	235,714,076 (163,820,535)	60,668,797 (27,974,311)	723,177,025 (253,857,818)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.



"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-468

ARRA Period BPAC, Total Over All Evaluated BPACs

SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Average per Year Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity, Units=MWh	515,103 (281,232)	156,659 (74,022)	83,351 (80,697)	397,499 (268,254)	136,356 (64,301)	1,254,518 (433,774)
Natural Gas, Units=KTherms	9,503 (5,564)	2,371 (1,250)	707 (504)	9,586 (8,601)	2,553 (1,254)	23,733 (10,721)
Oil, Units=KTherms	1,631* (2,222)	777 (387)	72 (41)	1,295 (1,123)	709 (346)	3,803 (2,470)
Propane, Units=KTherms	450 (441)	9 (8)	1* (2)	18 (22)	39 (48)	497 (444)
Kerosene, Units=KTherms	n/a	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	68* (97)	-	68* (97)
Diesel, Units=Site MMBtu	n/a	1,239* (1,933)	724* (988)	1,746* (2,665)	-	3,373 (3,185)
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	764* (1,192)	-	-	-	764* (1,192)
Other, Units=Site MMBtu	n/a	-	-	-	-	-

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Total, Units=Site MMBtu	2,916,020 (1,603,790)	832,587 (392,962)	347,324 (279,255)	2,393,632 (1,731,745)	794,505 (362,511)	7,086,630 (2,581,625)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-469 **ARRA Period BPAC, Total Over All Evaluated BPACs**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Average per Year Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	5,870,160 (3,204,945)	1,785,302 (843,559)	949,870 (919,630)	4,529,934 (3,057,041)	1,553,920 (732,779)	14,296,589 (4,943,318)
Natural Gas	994,994 (582,512)	248,225 (130,865)	74,050 (52,809)	1,003,691 (900,562)	267,332 (131,273)	2,484,876 (1,122,478)
Oil	164,689* (224,399)	78,445 (39,110)	7,254 (4,167)	130,748 (113,441)	71,589 (34,924)	384,144 (249,479)
Propane	45,479 (44,497)	925 (780)	123* (189)	1,848 (2,209)	3,916 (4,835)	50,183 (44,886)
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	68* (97)	-	68* (97)
Diesel	n/a	1,252* (1,953)	731* (998)	1,764* (2,691)	-	3,407 (3,217)
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	772* (1,204)	-	-	-	772* (1,204)
Other	n/a	-	-	-	-	-
Total	7,075,321 (3,816,458)	2,095,098 (986,576)	1,015,526 (921,575)	5,612,240 (3,900,489)	1,895,900 (874,197)	17,218,501 (6,044,234)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.



Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-470 **ARRA Period BPAC, Total Over All Evaluated BPACs**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Row Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	41.1% (16.5%)	12.5% (3.9%)	6.5% (6.7%)	31.7% (15.8%)	8.3% (3.3%)	100.0% (0.0%)
Natural Gas	40.0% (21.4%)	10.0% (3.9%)	2.3% (1.9%)	39.4% (22.2%)	8.2% (4.7%)	100.0% (0.0%)
Oil	42.9% (35.3%)	15.6% (10.4%)	1.4% (1.1%)	25.9% (22.3%)	14.2% (9.6%)	100.0% (0.0%)
Propane	90.6% (10.2%)	1.1% (1.3%)	-	3.6%* (5.2%)	4.6%* (6.6%)	100.0% (0.0%)
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	100.0% (0.0%)	-	100.0% (0.0%)
Diesel	n/a	35.4%* (44.8%)	16.7%* (24.4%)	47.9% (47.6%)	-	100.0% (0.0%)
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	100.0% (0.0%)	-	-	-	100.0% (0.0%)
Other	n/a	-	-	-	-	-
Total	41.1% (16.7%)	12.2% (3.6%)	5.8% (5.7%)	32.6% (16.4%)	8.4% (3.4%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

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"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.



Table K-471 **ARRA Period BPAC, Total Over All Evaluated BPACs**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Column Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	83.0% (6.6%)	85.2% (3.2%)	93.5% (7.0%)	80.7% (4.2%)	82.0% (5.6%)	83.0% (3.2%)
Natural Gas	14.1% (5.6%)	11.8% (2.4%)	5.9% (6.5%)	17.5% (4.8%)	14.1% (4.3%)	14.4% (3.3%)
Oil	2.3% (2.3%)	2.9% (1.3%)	0.6% (0.6%)	1.8% (2.0%)	3.8% (1.2%)	2.2% (1.2%)
Propane	0.6% (0.4%)	-	-	-	0.2% (0.2%)	0.3% (0.2%)
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	-	-	-
Diesel	n/a	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

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"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.



Table K-472 **ARRA Period BPAC, Total Over All Evaluated BPACs**
SEP-Attributable Bill Savings by Fuel Type and Year, Total Estimates, in Thousand 2009 Dollars

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	\$1,513	\$31,178	\$90,256	\$155,571	\$171,640	\$1,600,436	\$2,561,051	\$1,443,233	\$181,045	\$6,235,923
Natural Gas	n/a	\$3,334*	\$4,470	\$15,229	\$25,860	\$28,745	\$254,671	\$484,738	\$309,013	\$40,738	\$1,166,798
Oil	n/a	\$5*	\$1,221*	\$6,611	\$7,538	\$8,657	\$73,350	\$127,336	\$64,285	\$12,233*	\$301,237
Propane	n/a	\$58*	\$393	\$1,106	\$1,365	\$1,434	\$12,349	\$21,167	\$10,349	\$2,429*	\$50,650
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	\$3*	\$5*	\$2*	-	\$11*
Diesel	n/a	-	\$22*	\$25*	\$68	\$72	\$587	\$1,036	\$502	-	\$2,311
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	\$11*	\$24*	\$18*	\$17*	\$138*	\$217*	\$102*	-	\$529*
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	\$4,910	\$37,295	\$113,252	\$190,421	\$210,565	\$1,941,535	\$3,195,550	\$1,827,485	\$236,445	\$7,757,459

Note:

Standard errors estimates are not reported.

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"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-473 **ARRA Period BPAC, Total Over All Evaluated BPACs**
SEP-Attributable Bill Savings by Fuel Type and Year, Row Percent Estimates, in Thousand 2009 Dollars

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	-	0.5%	1.4%	2.5%	2.8%	25.7%	41.1%	23.1%	2.9%	100.0%
Natural Gas	n/a	0.3%*	0.4%	1.3%	2.2%	2.5%	21.8%	41.5%	26.5%	3.5%	100.0%
Oil	n/a	-	0.4%*	2.2%	2.5%	2.9%	24.3%	42.3%	21.3%	4.1%	100.0%
Propane	n/a	0.1%*	0.8%	2.2%	2.7%	2.8%	24.4%	41.8%	20.4%	4.8%	100.0%
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	3.7%	3.6%	3.7%	29.3%	45.1%	14.6%	-	100.0%
Diesel	n/a	-	0.9%*	1.1%*	3.0%	3.1%	25.4%	44.8%	21.7%	-	100.0%
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	2.1%	4.6%	3.4%	3.3%	26.2%	41.1%	19.3%	-	100.0%
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	0.1%	0.5%	1.5%	2.5%	2.7%	25.0%	41.2%	23.6%	3.0%	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

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"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-474 **ARRA Period BPAC, Total Over All Evaluated BPACs**
SEP-Attributable Bill Savings by Fuel Type and Year, Column Percent Estimates, in Thousand 2009 Dollars

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	30.8%	83.6%	79.7%	81.7%	81.5%	82.4%	80.1%	79.0%	76.6%	80.4%
Natural Gas	n/a	67.9%	12.0%	13.4%	13.6%	13.7%	13.1%	15.2%	16.9%	17.2%	15.0%
Oil	n/a	0.1%	3.3%*	5.8%	4.0%	4.1%	3.8%	4.0%	3.5%	5.2%*	3.9%
Propane	n/a	1.2%*	1.1%	1.0%	0.7%	0.7%	0.6%	0.7%	0.6%	1.0%*	0.7%
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	0.1%*	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-475

ARRA Period BPAC, Total Over All Evaluated BPACs

SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Fuel Type and Year, SEP-Attributable Energy in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	n/a	\$101.04	\$93.53	\$102.25	\$107.46	\$109.35	\$116.28	\$119.38	\$123.80	\$115.50	\$118.35
Natural Gas, Units=KTher ms	n/a	\$1,228.30*	\$1,047.89	\$959.23	\$896.52	\$914.92	\$1,035.94	\$1,194.89	\$1,335.75	\$1,321.43	\$1,170.55
Oil, Units=KTher ms	n/a	\$1,546.27*	\$1,840.48*	\$1,772.73	\$1,767.76	\$1,750.44	\$1,715.03	\$1,853.52	\$2,139.61	\$2,646.21*	\$1,885.76
Propane, Units=KTher ms	n/a	\$2,341.95*	\$2,569.94	\$2,350.24	\$2,328.52	\$2,331.05	\$2,301.91	\$2,420.53	\$2,594.93	\$2,637.13*	\$2,427.12
Kerosene, Units=KTher ms	n/a	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	\$5.56*	\$5.45*	\$5.68*	\$6.38*	\$6.82*	\$6.64*	-	\$6.50*
Diesel, Units=Site MMBtu	n/a	-	\$18.29*	\$19.01*	\$19.77	\$20.55	\$23.44	\$26.82	\$27.91	-	\$25.38
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	-	\$19.71*	\$20.67*	\$21.68*	\$22.75*	\$25.71*	\$28.28*	\$29.41*	-	\$26.60*
Other, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Total, Units=Site	n/a	\$15.09*	\$22.64	\$22.55	\$22.90	\$23.25	\$25.42	\$26.29	\$27.55	\$26.31	\$26.06

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
MMBtu											

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-476

ARRA Period BPAC, Total Over All Evaluated BPACs

SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Fuel Type and Year, SEP-Attributable Energy in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	\$8.87	\$8.21	\$8.97	\$9.43	\$9.60	\$10.20	\$10.48	\$10.86	\$10.13	\$10.39
Natural Gas	n/a	\$11.73*	\$10.01	\$9.16	\$8.56	\$8.74	\$9.89	\$11.41	\$12.76	\$12.62	\$11.18
Oil	n/a	\$15.31*	\$18.22*	\$17.55	\$17.50	\$17.33	\$16.98	\$18.35	\$21.18	\$26.20*	\$18.67
Propane	n/a	\$23.19*	\$25.44	\$23.27	\$23.05	\$23.08	\$22.79	\$23.97	\$25.69	\$26.11*	\$24.03
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	\$5.56*	\$5.45*	\$5.68*	\$6.38*	\$6.82*	\$6.64*	-	\$6.50*
Diesel	n/a	-	\$18.11*	\$18.83*	\$19.57	\$20.35	\$23.21	\$26.56	\$27.64	-	\$25.13
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	\$19.51*	\$20.47*	\$21.47*	\$22.52*	\$25.45*	\$28.00*	\$29.12*	-	\$26.34*
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	\$10.73	\$8.61	\$9.32	\$9.52	\$9.68	\$10.36	\$10.84	\$11.38	\$10.92	\$10.73

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-477 **ARRA Period BPAC, Total Over All Evaluated BPACs**
SEP-Attributable Bill Savings by Sector and Year, Total Estimates, in Thousand 2009 Dollars

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	\$3,948*	\$16,269	\$37,765	\$48,988	\$61,476	\$814,904	\$1,642,796	\$957,672	\$113,711	\$3,697,528
Commercial	n/a	\$34	\$618	\$4,259	\$7,653	\$11,469	\$190,222	\$419,644	\$269,232	\$26,853*	\$929,984
Industrial	n/a	-	\$8,158*	\$8,575*	\$13,137	\$13,329	\$96,771	\$89,079	\$16,921	\$3,741*	\$249,710
Public Institutional	n/a	\$927*	\$11,517	\$56,894	\$112,699	\$113,141	\$671,345	\$717,620	\$424,901	\$91,463*	\$2,200,508
Private Institutional	n/a	-	\$734	\$5,759	\$7,945	\$11,151	\$168,293	\$326,411	\$158,759	\$678	\$679,730
Total	n/a	\$4,910	\$37,295	\$113,252	\$190,421	\$210,565	\$1,941,535	\$3,195,550	\$1,827,485	\$236,445	\$7,757,459

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-478 **ARRA Period BPAC, Total Over All Evaluated BPACs**
SEP-Attributable Bill Savings by Sector and Year, Row Percent Estimates, in Thousand 2009 Dollars

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	0.1%	0.4%	1.0%	1.3%	1.7%	22.0%	44.4%	25.9%	3.1%	100.0%
Commercial	n/a	-	0.1%	0.5%	0.8%	1.2%	20.5%	45.1%	29.0%	2.9%	100.0%
Industrial	n/a	-	3.3%	3.4%	5.3%	5.3%	38.8%	35.7%	6.8%	1.5%	100.0%
Public Institutional	n/a	-	0.5%	2.6%	5.1%	5.1%	30.5%	32.6%	19.3%	4.2%	100.0%
Private Institutional	n/a	-	0.1%	0.8%	1.2%	1.6%	24.8%	48.0%	23.4%	0.1%	100.0%
Total	n/a	0.1%	0.5%	1.5%	2.5%	2.7%	25.0%	41.2%	23.6%	3.0%	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-479 **ARRA Period BPAC, Total Over All Evaluated BPACs**
SEP-Attributable Bill Savings by Sector and Year, Column Percent Estimates, in Thousand 2009 Dollars

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	80.4%	43.6%	33.3%	25.7%	29.2%	42.0%	51.4%	52.4%	48.1%	47.7%
Commercial	n/a	0.7%*	1.7%	3.8%	4.0%	5.4%	9.8%	13.1%	14.7%	11.4%	12.0%
Industrial	n/a	-	21.9%	7.6%*	6.9%	6.3%	5.0%	2.8%	0.9%	1.6%*	3.2%
Public Institutional	n/a	18.9%*	30.9%	50.2%	59.2%	53.7%	34.6%	22.5%	23.3%	38.7%	28.4%
Private Institutional	n/a	-	2.0%	5.1%	4.2%	5.3%	8.7%	10.2%	8.7%	0.3%*	8.8%
Total	n/a	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-480

ARRA Period BPAC, Total Over All Evaluated BPACs

SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Sector and Year, SEP-Attributable Energy in Site MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	\$13.55*	\$22.03	\$25.00	\$26.39	\$27.54	\$28.72	\$30.17	\$32.19	\$34.87	\$30.19
Commercial	n/a	\$19.00	\$21.86	\$23.88	\$24.29	\$24.72	\$26.99	\$26.72	\$26.66	\$23.76*	\$26.59
Industrial	n/a	-	\$20.54*	\$20.10*	\$18.80	\$18.00	\$17.49	\$16.98	\$16.53	\$21.50*	\$17.54
Public Institutional	n/a	\$28.90*	\$25.32	\$21.62	\$22.22	\$22.07	\$23.24	\$21.19	\$21.16	\$20.81*	\$21.89
Private Institutional	n/a	-	\$25.60	\$20.93	\$21.41	\$22.48	\$25.70	\$26.54	\$29.50	\$26.45	\$26.74
Total	n/a	\$15.09*	\$22.64	\$22.55	\$22.90	\$23.25	\$25.42	\$26.29	\$27.55	\$26.31	\$26.06

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-481

ARRA Period BPAC, Total Over All Evaluated BPACs

SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Sector and Year, SEP-Attributable Energy in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	\$11.39*	\$10.03	\$10.63	\$11.03	\$11.27	\$11.81	\$12.45	\$13.17	\$14.03	\$12.44
Commercial	n/a	\$9.24	\$12.04	\$10.17	\$9.86	\$10.16	\$10.88	\$10.68	\$10.43	\$8.94*	\$10.57
Industrial	n/a	-	\$6.15*	\$6.15*	\$5.87	\$5.84	\$5.79	\$5.98	\$7.61	\$6.72*	\$6.00
Public Institutional	n/a	\$8.65*	\$9.16	\$9.16	\$9.59	\$9.61	\$9.76	\$9.03	\$9.15	\$9.21*	\$9.34
Private Institutional	n/a	-	\$10.22	\$10.03	\$9.89	\$10.15	\$10.89	\$11.16	\$11.88	\$11.96	\$11.20
Total	n/a	\$10.73	\$8.61	\$9.32	\$9.52	\$9.68	\$10.36	\$10.84	\$11.38	\$10.92	\$10.73

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-482 **ARRA Period BPAC, Total Over All Evaluated BPACs**
SEP-Attributable Bill Savings by Fuel Type and Sector, Total Estimates, in Thousand 2009 Dollars

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	\$2,945,699	\$768,789	\$226,762	\$1,749,540	\$545,133	\$6,235,923
Natural Gas	\$563,247	\$115,931	\$18,483	\$376,434	\$92,703	\$1,166,798
Oil	\$142,525*	\$43,401	\$4,058	\$71,590	\$39,663	\$301,237
Propane	\$46,058	\$532	\$15*	\$1,814	\$2,230	\$50,650
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	\$11*	-	\$11*
Diesel	n/a	\$801*	\$392*	\$1,118*	-	\$2,311
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	\$529*	-	-	-	\$529*
Other	n/a	-	-	-	-	-
Total	\$3,697,528	\$929,984	\$249,710	\$2,200,508	\$679,730	\$7,757,459

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-483 **ARRA Period BPAC, Total Over All Evaluated BPACs**
SEP-Attributable Bill Savings by Fuel Type and Sector, Row Percent Estimates, in Thousand 2009 Dollars

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	47.2%	12.3%	3.6%	28.1%	8.7%	100.0%
Natural Gas	48.3%	9.9%	1.6%	32.3%	7.9%	100.0%
Oil	47.3%	14.4%	1.3%	23.8%	13.2%	100.0%
Propane	90.9%	1.1%	-	3.6%*	4.4%*	100.0%
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	100.0%	-	100.0%
Diesel	n/a	34.7%*	17.0%*	48.4%	-	100.0%
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	100.0%	-	-	-	100.0%
Other	n/a	-	-	-	-	-
Total	47.7%	12.0%	3.2%	28.4%	8.8%	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-484 **ARRA Period BPAC, Total Over All Evaluated BPACs**
SEP-Attributable Bill Savings by Fuel Type and Sector, Column Percent Estimates, in Thousand 2009 Dollars

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	79.7%	82.7%	90.8%	79.5%	80.2%	80.4%
Natural Gas	15.2%	12.5%	7.4%	17.1%	13.6%	15.0%
Oil	3.9%	4.7%	1.6%	3.3%	5.8%	3.9%
Propane	1.2%	0.1%	-	0.1%*	0.3%	0.7%
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	-	-	-
Diesel	n/a	0.1%*	0.2%*	0.1%*	-	-
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	0.1%*	-	-	-	-
Other	n/a	-	-	-	-	-
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-485 **ARRA Period BPAC, Total Over All Evaluated BPACs**
SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Fuel Type and Sector, SEP-Attributable Energy in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity, Units=MWh	\$136.16	\$116.84	\$66.36	\$104.79	\$124.93	\$118.35
Natural Gas, Units=KTherms	\$1,411.16	\$1,164.27	\$791.91	\$957.75	\$1,134.59	\$1,170.55
Oil, Units=KTherms	\$2,081.12*	\$1,746.27	\$1,765.73	\$1,728.18	\$1,748.71	\$1,885.76
Propane, Units=KTherms	\$2,435.35	\$2,324.63	\$2,026.85*	\$2,418.31	\$2,300.60	\$2,427.12
Kerosene, Units=KTherms	n/a	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	\$6.50*	-	\$6.50*
Diesel, Units=Site MMBtu	n/a	\$24.87*	\$25.79*	\$25.61*	-	\$25.38
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	\$26.60*	-	-	-	\$26.60*
Other, Units=Site MMBtu	n/a	-	-	-	-	-
Total,	\$30.19	\$26.59	\$17.54	\$21.89	\$26.74	\$26.06

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Units=Site MMBtu						

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-486 **ARRA Period BPAC, Total Over All Evaluated BPACs**
SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Fuel Type and Sector, SEP-Attributable Energy in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	\$11.95	\$10.25	\$5.82	\$9.20	\$10.96	\$10.39
Natural Gas	\$13.48	\$11.12	\$7.56	\$9.15	\$10.84	\$11.18
Oil	\$20.61*	\$17.29	\$17.48	\$17.11	\$17.31	\$18.67
Propane	\$24.11	\$23.02	\$20.07*	\$23.94	\$22.78	\$24.03
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	\$6.50*	-	\$6.50*
Diesel	n/a	\$24.62*	\$25.53*	\$25.36*	-	\$25.13
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	\$26.34*	-	-	-	\$26.34*
Other	n/a	-	-	-	-	-
Total	\$12.44	\$10.57	\$6.00	\$9.34	\$11.20	\$10.73

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-487 **ARRA Period BPAC, Building Codes and Standards**
Overall Energy Savings by Fuel Type and Year, Total Estimates, in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	n/a	-	2,248* (2,893)	60,730 (39,904)	162,892 (92,236)	316,312 (168,684)	6,383,401 (2,286,341)	13,919,686 (4,830,203)	7,234,985 (2,411,426)	233,886 (172,499)	28,314,139 (9,927,408)
Natural Gas, Units=KTherms	n/a	-	35 (37)	858 (522)	2,505 (1,139)	4,954 (2,002)	113,564 (31,230)	265,119 (82,762)	151,294 (55,874)	7,862 (5,024)	546,191 (174,704)
Oil, Units=KTherms	n/a	-	7* (10)	161 (101)	413 (212)	779 (329)	13,406 (4,818)	29,389 (12,002)	15,566 (7,601)	929 (1,028)	60,650 (25,774)
Propane, Units=KTherms	n/a	-	-	16 (12)	42 (31)	77 (56)	1,568 (1,273)	3,064 (2,472)	1,368 (1,103)	8 (9)	6,144 (4,947)
Kerosene, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Diesel, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Other, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Total, Units=Site MMBtu	n/a	-	11,911 (14,411)	310,707 (198,590)	851,830 (447,849)	1,660,348 (798,036)	34,634,865 (10,136,664)	77,253,119 (22,175,725)	41,509,661 (12,019,978)	1,677,871 (1,123,570)	157,910,311 (46,184,800)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-488 **ARRA Period BPAC, Building Codes and Standards**
Overall Energy Savings by Fuel Type and Year, Total Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	-	25,616* (32,966)	692,081 (454,749)	1,856,331 (1,051,130)	3,604,713 (1,922,334)	72,745,746 (26,055,325)	158,629,854 (55,045,380)	82,450,470 (27,480,806)	2,665,380 (1,965,816)	322,670,191 (113,133,540)
Natural Gas	n/a	-	3,697 (3,845)	89,803 (54,646)	262,313 (119,276)	518,725 (209,612)	11,890,121 (3,269,754)	27,757,929 (8,665,215)	15,840,515 (5,850,050)	823,122 (525,968)	57,186,226 (18,291,537)
Oil	n/a	-	717* (979)	16,256 (10,170)	41,711 (21,368)	78,675 (33,272)	1,353,994 (486,640)	2,968,331 (1,212,237)	1,572,190 (767,727)	93,779 (103,846)	6,125,654 (2,603,204)
Propane	n/a	-	-	1,638 (1,256)	4,224 (3,175)	7,790 (5,687)	158,416 (128,548)	309,454 (249,707)	138,190 (111,424)	806 (952)	620,519 (499,641)
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	30,030* (37,666)	799,778 (519,603)	2,164,580 (1,188,973)	4,209,903 (2,151,278)	86,148,278 (28,235,540)	189,665,567 (60,128,603)	100,001,366 (30,727,029)	3,583,087 (2,506,788)	386,602,590 (124,178,773)

Note:



Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-489 **ARRA Period BPAC, Building Codes and Standards**
Overall Energy Savings by Fuel Type and Year, Average per Year Estimates, in Original Site Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	2010-2048	n/a	-	2,248* (2,893)	60,730 (39,904)	162,892 (92,236)	316,312 (168,684)	911,914 (326,620)	1,391,969 (483,020)	723,499 (241,143)	29,236 (21,562)	726,004 (254,549)
Natural Gas, Units=KTherms	2010-2048	n/a	-	35 (37)	858 (522)	2,505 (1,139)	4,954 (2,002)	16,223 (4,461)	26,512 (8,276)	15,129 (5,587)	983 (628)	14,005 (4,480)
Oil, Units=KTherms	2010-2048	n/a	-	7* (10)	161 (101)	413 (212)	779 (329)	1,915 (688)	2,939 (1,200)	1,557 (760)	116 (129)	1,555 (661)
Propane, Units=KTherms	2011-2043	n/a	-	-	16 (12)	42 (31)	77 (56)	224 (182)	306 (247)	137 (110)	3 (3)	186 (150)
Kerosene, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Diesel, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Other, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Total, Units=Site MMBtu	2010- 2048	n/a	-	11,911 (14,411)	310,707 (198,590)	851,830 (447,849)	1,660,348 (798,036)	4,947,838 (1,448,095)	7,725,312 (2,217,572)	4,150,966 (1,201,998)	209,734 (140,446)	4,048,982 (1,184,226)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-490 ARRA Period BPAC, Building Codes and Standards
Overall Energy Savings by Fuel Type and Year, Average per Year Estimates, in Source MMBtu Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	2010-2048	n/a	-	25,616* (32,966)	692,081 (454,749)	1,856,331 (1,051,130)	3,604,713 (1,922,334)	10,392,249 (3,722,189)	15,862,985 (5,504,538)	8,245,047 (2,748,081)	333,172 (245,727)	8,273,595 (2,900,860)
Natural Gas	2010-2048	n/a	-	3,697 (3,845)	89,803 (54,646)	262,313 (119,276)	518,725 (209,612)	1,698,589 (467,108)	2,775,793 (866,522)	1,584,052 (585,005)	102,890 (65,746)	1,466,313 (469,014)
Oil	2010-2048	n/a	-	717* (979)	16,256 (10,170)	41,711 (21,368)	78,675 (33,272)	193,428 (69,520)	296,833 (121,224)	157,219 (76,773)	11,722 (12,981)	157,068 (66,749)
Propane	2011-2043	n/a	-	-	1,638 (1,256)	4,224 (3,175)	7,790 (5,687)	22,631 (18,364)	30,945 (24,971)	13,819 (11,142)	269 (317)	18,804 (15,141)
Kerosene	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Total	2010-2048	n/a	-	30,030* (37,666)	799,778 (519,603)	2,164,580 (1,188,973)	4,209,903 (2,151,278)	12,306,897 (4,033,649)	18,966,557 (6,012,860)	10,000,137 (3,072,703)	447,886 (313,349)	9,912,887 (3,184,071)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.



"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-491 **ARRA Period BPAC, Building Codes and Standards**
Overall Energy Savings by Fuel Type and Year, Row Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	-	-	0.2% (0.1%)	0.6% (0.1%)	1.1% (0.2%)	22.5% (0.9%)	49.2% (0.4%)	25.6% (1.1%)	0.8% (0.4%)	100.0% (0.0%)
Natural Gas	n/a	-	-	0.2% (0.1%)	0.5% (0.2%)	0.9% (0.3%)	20.8% (1.6%)	48.5% (0.5%)	27.7% (2.1%)	1.4% (0.5%)	100.0% (0.0%)
Oil	n/a	-	-	0.3% (0.1%)	0.7% (0.1%)	1.3% (0.2%)	22.1% (2.2%)	48.5% (1.2%)	25.7% (2.2%)	1.5% (1.2%)	100.0% (0.0%)
Propane	n/a	-	-	0.3% (0.0%)	0.7% (0.1%)	1.3% (0.2%)	25.5% (0.8%)	49.9% (0.2%)	22.3% (0.7%)	0.1%* (0.2%)	100.0% (0.0%)
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	-	0.2% (0.1%)	0.6% (0.1%)	1.1% (0.2%)	22.3% (1.0%)	49.1% (0.5%)	25.9% (1.2%)	0.9% (0.5%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-492 **ARRA Period BPAC, Building Codes and Standards**
Overall Energy Savings by Fuel Type and Year, Column Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	-	85.3% (3.9%)	86.5% (1.2%)	85.8% (2.0%)	85.6% (2.6%)	84.4% (3.9%)	83.6% (4.4%)	82.4% (5.0%)	74.4% (6.3%)	83.5% (4.4%)
Natural Gas	n/a	-	12.3% (4.3%)	11.2% (1.1%)	12.1% (1.9%)	12.3% (2.4%)	13.8% (4.0%)	14.6% (4.6%)	15.8% (5.4%)	23.0% (7.8%)	14.8% (4.7%)
Oil	n/a	-	2.4% (0.4%)	2.0% (0.2%)	1.9% (0.2%)	1.9% (0.3%)	1.6% (0.2%)	1.6% (0.3%)	1.6% (0.4%)	2.6% (1.6%)	1.6% (0.3%)
Propane	n/a	-	-	0.2% (0.1%)	0.2% (0.1%)	0.2% (0.1%)	0.2% (0.1%)	0.2% (0.1%)	0.1% (0.1%)	-	0.2% (0.1%)
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-493 **ARRA Period BPAC, Building Codes and Standards**
Overall Renewable Generation by Fuel Type and Year, Total Estimates, in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated, Units=MWh	n/a	-	-	-	-	-	-	-	-	-	-
Methane Produced, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-
Biodiesel Production, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol Production, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Other, Units=Site	n/a	-	-	-	-	-	-	-	-	-	-

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
MMBtu											
Total, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

KTherms = 1,000 Therms.

Table K-494 **ARRA Period BPAC, Building Codes and Standards**
Overall Renewable Generation by Fuel Type and Year, Total Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	n/a	-	-	-	-	-	-	-	-	-	-
Methane Produced	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	-	-	-	-	-	-	-	-	-
Biodiesel Production	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol Production	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

Table K-495

ARRA Period BPAC, Building Codes and Standards

Overall Renewable Generation by Fuel Type and Year, Average per Year Estimates, in Original Site Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated, Units=MWh	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Methane Produced, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Biodiesel Production, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol Production, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Other,	n/a	n/a	-	-	-	-	-	-	-	-	-	-

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Units=Site MMBtu												
Total, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

KTherms = 1,000 Therms.

Table K-496 ARRA Period BPAC, Building Codes and Standards
Overall Renewable Generation by Fuel Type and Year, Average per Year Estimates, in Source MMBtu Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Methane Produced	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Biodiesel Production	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol Production	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	n/a	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

Table K-497 **ARRA Period BPAC, Building Codes and Standards**
Overall Renewable Generation by Fuel Type and Year, Row Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	n/a	-	-	-	-	-	-	-	-	-	-
Methane Produced	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	-	-	-	-	-	-	-	-	-
Biodiesel Production	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol Production	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

Table K-498 **ARRA Period BPAC, Building Codes and Standards**
Overall Renewable Generation by Fuel Type and Year, Column Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	n/a	-	-	-	-	-	-	-	-	-	-
Methane Produced	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	-	-	-	-	-	-	-	-	-
Biodiesel Production	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol Production	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

Table K-499 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Energy Savings by Fuel Type and Year, Total Estimates, in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	n/a	-	1,692* (2,136)	55,588 (38,913)	144,681 (92,340)	281,042 (170,694)	5,608,259 (2,298,458)	11,948,636 (4,690,974)	5,891,633 (2,123,373)	30,876 (22,258)	23,962,407 (9,420,902)
Natural Gas, Units=KTherms	n/a	-	29 (28)	794 (515)	2,184 (1,146)	4,285 (1,974)	101,144 (32,824)	227,102 (79,715)	119,515 (46,349)	791 (430)	455,843 (160,259)
Oil, Units=KTherms	n/a	-	5* (7)	148 (98)	365 (212)	688 (333)	11,545 (4,670)	24,251 (10,588)	11,585 (5,411)	75 (71)	48,662 (21,307)
Propane, Units=KTherms	n/a	-	-	14 (10)	36 (26)	66 (47)	1,316 (1,021)	2,572 (1,994)	1,142 (892)	3 (3)	5,148 (3,989)
Kerosene, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Diesel, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Other, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Total, Units=Site MMBtu	n/a	-	9,157 (10,687)	285,259 (194,237)	752,129 (450,393)	1,462,807 (808,609)	30,536,69 9 (10,448,57 0)	66,162,86 8 (21,811,03 8)	33,327,29 7 (10,288,75 5)	192,166 (117,732)	132,728,3 80 (43,832,12 1)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-500 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Energy Savings by Fuel Type and Year, Total Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	-	19,281* (24,338)	633,488 (443,454)	1,648,796 (1,052,318)	3,202,775 (1,945,238)	63,912,173 (26,193,413)	136,167,610 (53,458,717)	67,141,522 (24,198,128)	351,864 (253,650)	273,077,509 (107,361,347)
Natural Gas	n/a	-	2,994 (2,950)	83,092 (53,923)	228,616 (119,937)	448,609 (206,635)	10,589,783 (3,436,665)	23,777,566 (8,346,138)	12,513,262 (4,852,737)	82,801 (45,055)	47,726,725 (16,779,138)
Oil	n/a	-	529* (722)	14,977 (9,925)	36,882 (21,438)	69,453 (33,668)	1,166,075 (471,661)	2,449,343 (1,069,392)	1,170,038 (546,508)	7,552 (7,192)	4,914,849 (2,151,998)
Propane	n/a	-	-	1,407 (1,039)	3,623 (2,630)	6,683 (4,726)	132,913 (103,143)	259,741 (201,409)	115,369 (90,128)	253 (300)	519,989 (402,937)
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	22,805 (27,847)	732,965 (507,312)	1,917,917 (1,192,798)	3,727,519 (2,179,390)	75,800,944 (28,667,849)	162,654,260 (58,768,786)	80,940,191 (26,800,960)	442,471 (295,155)	326,239,072 (118,056,159)

Note:



Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-501 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Energy Savings by Fuel Type and Year, Average per Year Estimates, in Original Site Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	2010-2041	n/a	-	1,692* (2,136)	55,588 (38,913)	144,681 (92,340)	281,042 (170,694)	801,180 (328,351)	1,194,864 (469,097)	589,163 (212,337)	30,876 (22,258)	748,825 (294,403)
Natural Gas, Units=KTherms	2010-2041	n/a	-	29 (28)	794 (515)	2,184 (1,146)	4,285 (1,974)	14,449 (4,689)	22,710 (7,971)	11,952 (4,635)	791 (430)	14,245 (5,008)
Oil, Units=KTherms	2010-2041	n/a	-	5* (7)	148 (98)	365 (212)	688 (333)	1,649 (667)	2,425 (1,059)	1,158 (541)	75 (71)	1,521 (666)
Propane, Units=KTherms	2011-2041	n/a	-	-	14 (10)	36 (26)	66 (47)	188 (146)	257 (199)	114 (89)	3 (3)	166 (129)
Kerosene, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Diesel, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Other, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Total, Units=Site MMBtu	2010- 2041	n/a	-	9,157 (10,687)	285,259 (194,237)	752,129 (450,393)	1,462,807 (808,609)	4,362,386 (1,492,653)	6,616,287 (2,181,104)	3,332,730 (1,028,875)	192,166 (117,732)	4,147,762 (1,369,754)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-502 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Energy Savings by Fuel Type and Year, Average per Year Estimates, in Source MMBtu Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	2010-2041	n/a	-	19,281* (24,338)	633,488 (443,454)	1,648,796 (1,052,318)	3,202,775 (1,945,238)	9,130,310 (3,741,916)	13,616,761 (5,345,872)	6,714,152 (2,419,813)	351,864 (253,650)	8,533,672 (3,355,042)
Natural Gas	2010-2041	n/a	-	2,994 (2,950)	83,092 (53,923)	228,616 (119,937)	448,609 (206,635)	1,512,826 (490,952)	2,377,757 (834,614)	1,251,326 (485,274)	82,801 (45,055)	1,491,460 (524,348)
Oil	2010-2041	n/a	-	529* (722)	14,977 (9,925)	36,882 (21,438)	69,453 (33,668)	166,582 (67,380)	244,934 (106,939)	117,004 (54,651)	7,552 (7,192)	153,589 (67,250)
Propane	2011-2041	n/a	-	-	1,407 (1,039)	3,623 (2,630)	6,683 (4,726)	18,988 (14,735)	25,974 (20,141)	11,537 (9,013)	253 (300)	16,774 (12,998)
Kerosene	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Total	2010-2041	n/a	-	22,805 (27,847)	732,965 (507,312)	1,917,917 (1,192,798)	3,727,519 (2,179,390)	10,828,706 (4,095,407)	16,265,426 (5,876,879)	8,094,019 (2,680,096)	442,471 (295,155)	10,194,971 (3,689,255)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.



"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-503

ARRA Period BPAC, Building Codes and Standards

SEP-Attributable Energy Savings by Fuel Type and Year, Row Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	-	-	0.2% (0.1%)	0.6% (0.2%)	1.2% (0.3%)	23.4% (0.7%)	49.9% (0.1%)	24.6% (1.0%)	0.1% (0.1%)	100.0% (0.0%)
Natural Gas	n/a	-	-	0.2% (0.1%)	0.5% (0.2%)	0.9% (0.4%)	22.2% (1.2%)	49.8% (0.0%)	26.2% (1.9%)	0.2% (0.0%)	100.0% (0.0%)
Oil	n/a	-	-	0.3% (0.1%)	0.8% (0.1%)	1.4% (0.2%)	23.7% (1.2%)	49.8% (0.1%)	23.8% (1.2%)	0.2% (0.1%)	100.0% (0.0%)
Propane	n/a	-	-	0.3% (0.0%)	0.7% (0.1%)	1.3% (0.2%)	25.6% (0.6%)	50.0% (0.1%)	22.2% (0.5%)	-	100.0% (0.0%)
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	-	0.2% (0.1%)	0.6% (0.2%)	1.1% (0.3%)	23.2% (0.8%)	49.9% (0.1%)	24.8% (1.2%)	0.1% (0.1%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-504 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Energy Savings by Fuel Type and Year, Column Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	-	84.5% (5.0%)	86.4% (1.2%)	86.0% (1.8%)	85.9% (2.4%)	84.3% (4.2%)	83.7% (4.7%)	83.0% (5.3%)	79.5% (6.9%)	83.7% (4.7%)
Natural Gas	n/a	-	13.1% (5.5%)	11.3% (1.1%)	11.9% (1.7%)	12.0% (2.2%)	14.0% (4.4%)	14.6% (4.9%)	15.5% (5.6%)	18.7% (7.6%)	14.6% (4.9%)
Oil	n/a	-	2.3% (0.5%)	2.0% (0.2%)	1.9% (0.2%)	1.9% (0.3%)	1.5% (0.2%)	1.5% (0.3%)	1.4% (0.4%)	1.7% (0.7%)	1.5% (0.3%)
Propane	n/a	-	-	0.2% (0.1%)	0.2% (0.1%)	0.2% (0.1%)	0.2% (0.1%)	0.2% (0.1%)	0.1% (0.1%)	0.1% (0.0%)	0.2% (0.1%)
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-505 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Energy Savings by Sector and Year, Total Estimates, in Site MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	1,424 (1,684)	120,481 (104,912)	344,088 (265,486)	700,169 (534,559)	16,354,728 (7,929,929)	36,383,386 (17,232,265)	18,984,822 (9,009,178)	119,478 (70,385)	73,008,577 (34,600,342)
Commercial	n/a	-	3,220* (4,394)	68,612 (40,717)	169,904 (84,993)	317,554 (127,859)	5,905,224 (1,999,214)	12,399,864 (4,347,746)	5,972,056 (2,162,018)	30,267 (26,960)	24,866,701 (8,731,652)
Industrial	n/a	-	248* (339)	5,289 (3,139)	13,098 (6,552)	24,481 (9,857)	455,247 (154,124)	955,934 (335,178)	460,400 (166,675)	2,333 (2,078)	1,917,032 (673,143)
Public Institutional	n/a	-	1,536* (2,096)	32,733 (19,425)	81,057 (40,548)	151,497 (60,999)	2,817,236 (953,776)	5,915,668 (2,074,202)	2,849,120 (1,031,445)	14,439 (12,862)	11,863,287 (4,165,655)
Private Institutional	n/a	-	2,729* (3,724)	58,144 (34,505)	143,982 (72,026)	269,105 (108,352)	5,004,263 (1,694,194)	10,508,015 (3,684,409)	5,060,899 (1,832,159)	25,649 (22,846)	21,072,784 (7,399,462)
Total	n/a	-	9,157 (10,687)	285,259 (194,237)	752,129 (450,393)	1,462,807 (808,609)	30,536,699 (10,448,570)	66,162,868 (21,811,038)	33,327,297 (10,288,755)	192,166 (117,732)	132,728,380 (43,832,121)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

Table K-506 ARRA Period BPAC, Building Codes and Standards
SEP-Attributable Energy Savings by Sector and Year, Total Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	2,519 (2,977)	338,257 (311,991)	946,089 (793,337)	1,917,702 (1,600,364)	40,915,408 (22,864,269)	89,479,948 (47,265,794)	45,646,727 (22,630,659)	281,716 (176,003)	179,528,365 (94,871,576)
Commercial	n/a	-	8,447* (11,529)	164,352 (95,459)	404,659 (197,356)	753,589 (292,627)	14,525,972 (4,967,695)	30,469,017 (10,559,997)	14,695,829 (5,165,468)	66,937 (58,756)	61,088,802 (21,181,256)
Industrial	n/a	-	651* (889)	12,670 (7,359)	31,196 (15,215)	58,096 (22,559)	1,119,841 (382,971)	2,348,927 (814,095)	1,132,936 (398,218)	5,160 (4,530)	4,709,477 (1,632,912)
Public Institutional	n/a	-	4,030* (5,500)	78,408 (45,541)	193,053 (94,154)	359,519 (139,605)	6,929,981 (2,369,964)	14,536,013 (5,037,913)	7,011,016 (2,464,317)	31,934 (28,031)	29,143,954 (10,105,053)
Private Institutional	n/a	-	7,158* (9,770)	139,277 (80,895)	342,920 (167,246)	638,614 (247,981)	12,309,742 (4,209,773)	25,820,354 (8,948,857)	12,453,684 (4,377,371)	56,724 (49,792)	51,768,473 (17,949,628)
Total	n/a	-	22,805 (27,847)	732,965 (507,312)	1,917,917 (1,192,798)	3,727,519 (2,179,390)	75,800,944 (28,667,849)	162,654,260 (58,768,786)	80,940,191 (26,800,960)	442,471 (295,155)	326,239,072 (118,056,159)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

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"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-507 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Energy Savings by Sector and Year, Average per Year Estimates, in Site MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	2010-2041	n/a	-	1,424 (1,684)	120,481 (104,912)	344,088 (265,486)	700,169 (534,559)	2,336,390 (1,132,847)	3,638,339 (1,723,226)	1,898,482 (900,918)	119,478 (70,385)	2,281,518 (1,081,261)
Commercial	2010-2041	n/a	-	3,220* (4,394)	68,612 (40,717)	169,904 (84,993)	317,554 (127,859)	843,603 (285,602)	1,239,986 (434,775)	597,206 (216,202)	30,267 (26,960)	777,084 (272,864)
Industrial	2010-2041	n/a	-	248* (339)	5,289 (3,139)	13,098 (6,552)	24,481 (9,857)	65,035 (22,018)	95,593 (33,518)	46,040 (16,668)	2,333 (2,078)	59,907 (21,036)
Public Institutional	2010-2041	n/a	-	1,536* (2,096)	32,733 (19,425)	81,057 (40,548)	151,497 (60,999)	402,462 (136,254)	591,567 (207,420)	284,912 (103,145)	14,439 (12,862)	370,728 (130,177)
Private Institutional	2010-2041	n/a	-	2,729* (3,724)	58,144 (34,505)	143,982 (72,026)	269,105 (108,352)	714,895 (242,028)	1,050,801 (368,441)	506,090 (183,216)	25,649 (22,846)	658,525 (231,233)
Total	2010-2041	n/a	-	9,157 (10,687)	285,259 (194,237)	752,129 (450,393)	1,462,807 (808,609)	4,362,386 (1,492,653)	6,616,287 (2,181,104)	3,332,730 (1,028,875)	192,166 (117,732)	4,147,762 (1,369,754)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

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"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-508 ARRA Period BPAC, Building Codes and Standards
SEP-Attributable Energy Savings by Sector and Year, Average per Year Estimates, in Source MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	2010-2041	n/a	-	2,519 (2,977)	338,257 (311,991)	946,089 (793,337)	1,917,702 (1,600,364)	5,845,058 (3,266,324)	8,947,995 (4,726,579)	4,564,673 (2,263,066)	281,716 (176,003)	5,610,261 (2,964,737)
Commercial	2010-2041	n/a	-	8,447* (11,529)	164,352 (95,459)	404,659 (197,356)	753,589 (292,627)	2,075,139 (709,671)	3,046,902 (1,056,000)	1,469,583 (516,547)	66,937 (58,756)	1,909,025 (661,914)
Industrial	2010-2041	n/a	-	651* (889)	12,670 (7,359)	31,196 (15,215)	58,096 (22,559)	159,977 (54,710)	234,893 (81,409)	113,294 (39,822)	5,160 (4,530)	147,171 (51,029)
Public Institutional	2010-2041	n/a	-	4,030* (5,500)	78,408 (45,541)	193,053 (94,154)	359,519 (139,605)	989,997 (338,566)	1,453,601 (503,791)	701,102 (246,432)	31,934 (28,031)	910,749 (315,783)
Private Institutional	2010-2041	n/a	-	7,158* (9,770)	139,277 (80,895)	342,920 (167,246)	638,614 (247,981)	1,758,535 (601,396)	2,582,035 (894,886)	1,245,368 (437,737)	56,724 (49,792)	1,617,765 (560,926)
Total	2010-2041	n/a	-	22,805 (27,847)	732,965 (507,312)	1,917,917 (1,192,798)	3,727,519 (2,179,390)	10,828,706 (4,095,407)	16,265,426 (5,876,879)	8,094,019 (2,680,096)	442,471 (295,155)	10,194,971 (3,689,255)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-509 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Energy Savings by Sector and Year, Row Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	-	0.2% (0.1%)	0.5% (0.2%)	1.1% (0.5%)	22.8% (1.6%)	49.8% (0.0%)	25.4% (2.4%)	0.2% (0.0%)	100.0% (0.0%)
Commercial	n/a	-	-	0.3% (0.1%)	0.7% (0.2%)	1.2% (0.2%)	23.8% (0.9%)	49.9% (0.1%)	24.1% (0.9%)	0.1% (0.1%)	100.0% (0.0%)
Industrial	n/a	-	-	0.3% (0.1%)	0.7% (0.2%)	1.2% (0.2%)	23.8% (0.9%)	49.9% (0.1%)	24.1% (0.9%)	0.1% (0.1%)	100.0% (0.0%)
Public Institutional	n/a	-	-	0.3% (0.1%)	0.7% (0.2%)	1.2% (0.2%)	23.8% (0.9%)	49.9% (0.1%)	24.1% (0.9%)	0.1% (0.1%)	100.0% (0.0%)
Private Institutional	n/a	-	-	0.3% (0.1%)	0.7% (0.2%)	1.2% (0.2%)	23.8% (0.9%)	49.9% (0.1%)	24.1% (0.9%)	0.1% (0.1%)	100.0% (0.0%)
Total	n/a	-	-	0.2% (0.1%)	0.6% (0.2%)	1.1% (0.3%)	23.2% (0.8%)	49.9% (0.1%)	24.8% (1.2%)	0.1% (0.1%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-510 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Energy Savings by Sector and Year, Column Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	11.0%* (17.7%)	46.1% (15.4%)	49.3% (14.2%)	51.4% (15.0%)	54.0% (14.0%)	55.0% (13.8%)	56.4% (14.3%)	63.7% (13.9%)	55.0% (13.8%)
Commercial	n/a	-	37.0% (7.4%)	22.4% (6.4%)	21.1% (5.9%)	20.2% (6.2%)	19.2% (5.8%)	18.7% (5.7%)	18.2% (5.9%)	15.1% (5.8%)	18.7% (5.7%)
Industrial	n/a	-	2.9% (0.6%)	1.7% (0.5%)	1.6% (0.5%)	1.6% (0.5%)	1.5% (0.5%)	1.4% (0.4%)	1.4% (0.5%)	1.2% (0.4%)	1.4% (0.4%)
Public Institutional	n/a	-	17.7% (3.5%)	10.7% (3.1%)	10.1% (2.8%)	9.6% (3.0%)	9.1% (2.8%)	8.9% (2.7%)	8.7% (2.8%)	7.2% (2.8%)	8.9% (2.7%)
Private Institutional	n/a	-	31.4% (6.3%)	19.0% (5.4%)	17.9% (5.0%)	17.1% (5.3%)	16.2% (5.0%)	15.9% (4.9%)	15.4% (5.0%)	12.8% (4.9%)	15.9% (4.9%)
Total	n/a	-	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-511 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Energy Savings by Fuel Type and Sector, Total Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity, Units=MWh	13,179,078 (7,790,428)	4,490,065 (1,580,257)	346,150 (121,826)	2,142,099 (753,902)	3,805,015 (1,339,157)	23,962,407 (9,420,902)
Natural Gas, Units=KTherms	275,249 (158,743)	75,197 (31,726)	5,797 (2,446)	35,875 (15,136)	63,725 (26,886)	455,843 (160,259)
Oil, Units=KTherms	n/a	20,262 (8,872)	1,562 (684)	9,667 (4,233)	17,171 (7,518)	48,662 (21,307)
Propane, Units=KTherms	5,148 (3,989)	-	-	-	-	5,148 (3,989)
Kerosene, Units=KTherms	n/a	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	-	-	-
Diesel, Units=Site MMBtu	n/a	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	-	-	-	-	-
Other, Units=Site MMBtu	n/a	-	-	-	-	-
Total,	73,008,577	24,866,701	1,917,032	11,863,287	21,072,784	132,728,380

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Units=Site MMBtu	(34,600,342)	(8,731,652)	(673,143)	(4,165,655)	(7,399,462)	(43,832,121)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-512 ARRA Period BPAC, Building Codes and Standards
SEP-Attributable Energy Savings by Fuel Type and Sector, Total Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	150,189,831 (88,780,341)	51,169,143 (18,008,740)	3,944,748 (1,388,336)	24,411,530 (8,591,524)	43,362,258 (15,261,143)	273,077,509 (107,361,347)
Natural Gas	28,818,545 (16,620,414)	7,873,168 (3,321,711)	606,961 (256,078)	3,756,093 (1,584,706)	6,671,957 (2,814,917)	47,726,725 (16,779,138)
Oil	n/a	2,046,492 (896,069)	157,769 (69,080)	976,330 (427,492)	1,734,258 (759,356)	4,914,849 (2,151,998)
Propane	519,989 (402,937)	-	-	-	-	519,989 (402,937)
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	-	-	-
Diesel	n/a	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	179,528,365 (94,871,576)	61,088,802 (21,181,256)	4,709,477 (1,632,912)	29,143,954 (10,105,053)	51,768,473 (17,949,628)	326,239,072 (118,056,159)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.



Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-513 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Energy Savings by Fuel Type and Sector, Average per Year Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity, Units=MWh	411,846 (243,451)	140,315 (49,383)	10,817 (3,807)	66,941 (23,559)	118,907 (41,849)	748,825 (294,403)
Natural Gas, Units=KTherms	8,602 (4,961)	2,350 (991)	181 (76)	1,121 (473)	1,991 (840)	14,245 (5,008)
Oil, Units=KTherms	n/a	633 (277)	49 (21)	302 (132)	537 (235)	1,521 (666)
Propane, Units=KTherms	166 (129)	-	-	-	-	166 (129)
Kerosene, Units=KTherms	n/a	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	-	-	-
Diesel, Units=Site MMBtu	n/a	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	-	-	-	-	-
Other, Units=Site MMBtu	n/a	-	-	-	-	-
Total,	2,281,518	777,084	59,907	370,728	658,525	4,147,762

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Units=Site MMBtu	(1,081,261)	(272,864)	(21,036)	(130,177)	(231,233)	(1,369,754)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-514 ARRA Period BPAC, Building Codes and Standards
SEP-Attributable Energy Savings by Fuel Type and Sector, Average per Year Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	4,693,432 (2,774,386)	1,599,036 (562,773)	123,273 (43,385)	762,860 (268,485)	1,355,071 (476,911)	8,533,672 (3,355,042)
Natural Gas	900,580 (519,388)	246,037 (103,803)	18,968 (8,002)	117,378 (49,522)	208,499 (87,966)	1,491,460 (524,348)
Oil	n/a	63,953 (28,002)	4,930 (2,159)	30,510 (13,359)	54,196 (23,730)	153,589 (67,250)
Propane	16,774 (12,998)	-	-	-	-	16,774 (12,998)
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	-	-	-
Diesel	n/a	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	5,610,261 (2,964,737)	1,909,025 (661,914)	147,171 (51,029)	910,749 (315,783)	1,617,765 (560,926)	10,194,971 (3,689,255)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period. Estimates that round to zero during the impact period will not be displayed due to suppression.



Table K-515 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Energy Savings by Fuel Type and Sector, Row Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	55.0% (15.2%)	18.7% (6.3%)	1.4% (0.5%)	8.9% (3.0%)	15.9% (5.4%)	100.0% (0.0%)
Natural Gas	60.4% (18.8%)	16.5% (7.8%)	1.3% (0.6%)	7.9% (3.7%)	14.0% (6.6%)	100.0% (0.0%)
Oil	n/a	41.6% (0.0%)	3.2% (0.0%)	19.9% (0.0%)	35.3% (0.0%)	100.0% (0.0%)
Propane	100.0% (0.0%)	-	-	-	-	100.0% (0.0%)
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	-	-	-
Diesel	n/a	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	55.0% (13.8%)	18.7% (5.7%)	1.4% (0.4%)	8.9% (2.7%)	15.9% (4.9%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-516 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Energy Savings by Fuel Type and Sector, Column Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	83.7% (9.4%)	83.8% (4.2%)	83.8% (4.2%)	83.8% (4.2%)	83.8% (4.2%)	83.7% (4.7%)
Natural Gas	16.1% (9.4%)	12.9% (3.3%)	12.9% (3.3%)	12.9% (3.3%)	12.9% (3.3%)	14.6% (4.9%)
Oil	n/a	3.4% (0.9%)	3.4% (0.9%)	3.4% (0.9%)	3.4% (0.9%)	1.5% (0.3%)
Propane	0.3% (0.3%)	-	-	-	-	0.2% (0.1%)
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	-	-	-
Diesel	n/a	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-517 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Renewable Generation by Fuel Type and Year, Total Estimates, in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated, Units=MWh	n/a	-	-	-	-	-	-	-	-	-	-
Methane Produced, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-
Biodiesel Production, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol Production, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Other, Units=Site	n/a	-	-	-	-	-	-	-	-	-	-

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
MMBtu											
Total, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

KTherms = 1,000 Therms.

Table K-518

ARRA Period BPAC, Building Codes and Standards

SEP-Attributable Renewable Generation by Fuel Type and Year, Total Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	n/a	-	-	-	-	-	-	-	-	-	-
Methane Produced	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	-	-	-	-	-	-	-	-	-
Biodiesel Production	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol Production	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

Table K-519 ARRA Period BPAC, Building Codes and Standards
SEP-Attributable Renewable Generation by Fuel Type and Year, Average per Year Estimates, in Original Site Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated, Units=MWh	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Methane Produced, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Biodiesel Production, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol Production, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Other,	n/a	n/a	-	-	-	-	-	-	-	-	-	-

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Units=Site MMBtu												
Total, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

KTherms = 1,000 Therms.

Table K-520 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Renewable Generation by Fuel Type and Year, Average per Year Estimates, in Source MMBtu Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Methane Produced	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Biodiesel Production	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol Production	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	n/a	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

Table K-521 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Renewable Generation by Fuel Type and Year, Row Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	n/a	-	-	-	-	-	-	-	-	-	-
Methane Produced	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	-	-	-	-	-	-	-	-	-
Biodiesel Production	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol Production	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

Table K-522 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Renewable Generation by Fuel Type and Year, Column Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	n/a	-	-	-	-	-	-	-	-	-	-
Methane Produced	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	-	-	-	-	-	-	-	-	-
Biodiesel Production	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol Production	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

Table K-523 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Renewable Generation by Sector and Year, Total Estimates, in Site MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	-	-	-	-	-	-	-	-	-
Commercial	n/a	-	-	-	-	-	-	-	-	-	-
Industrial	n/a	-	-	-	-	-	-	-	-	-	-
Public Institutional	n/a	-	-	-	-	-	-	-	-	-	-
Private Institutional	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

Table K-524 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Renewable Generation by Sector and Year, Total Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	-	-	-	-	-	-	-	-	-
Commercial	n/a	-	-	-	-	-	-	-	-	-	-
Industrial	n/a	-	-	-	-	-	-	-	-	-	-
Public Institutional	n/a	-	-	-	-	-	-	-	-	-	-
Private Institutional	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

Table K-525 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Renewable Generation by Sector and Year, Average per Year Estimates, in Site MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Commercial	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Industrial	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Public Institutional	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Private Institutional	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	n/a	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

Table K-526 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Renewable Generation by Sector and Year, Average per Year Estimates, in Source MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Commercial	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Industrial	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Public Institutional	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Private Institutional	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	n/a	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

Table K-527 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Renewable Generation by Sector and Year, Row Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	-	-	-	-	-	-	-	-	-
Commercial	n/a	-	-	-	-	-	-	-	-	-	-
Industrial	n/a	-	-	-	-	-	-	-	-	-	-
Public Institutional	n/a	-	-	-	-	-	-	-	-	-	-
Private Institutional	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

Table K-528 ARRA Period BPAC, Building Codes and Standards
SEP-Attributable Renewable Generation by Sector and Year, Column Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	-	-	-	-	-	-	-	-	-
Commercial	n/a	-	-	-	-	-	-	-	-	-	-
Industrial	n/a	-	-	-	-	-	-	-	-	-	-
Public Institutional	n/a	-	-	-	-	-	-	-	-	-	-
Private Institutional	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

Table K-529 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Renewable Generation by Fuel Type and Sector, Total Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated, Units=MWh	n/a	-	-	-	-	-
Methane Produced, Units=KTherms	n/a	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	n/a	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	n/a	-	-	-	-	-
Biodiesel Production, Units=KTherms	n/a	-	-	-	-	-
Ethanol Production, Units=Site MMBtu	n/a	-	-	-	-	-
Other,	n/a	-	-	-	-	-

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Units=Site MMBtu						
Total, Units=Site MMBtu	n/a	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

KTherms = 1,000 Therms.

Table K-530 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Renewable Generation by Fuel Type and Sector, Total Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated	n/a	-	-	-	-	-
Methane Produced	n/a	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	-	-	-	-
Biodiesel Production	n/a	-	-	-	-	-
Ethanol Production	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	n/a	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

Table K-531 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Renewable Generation by Fuel Type and Sector, Average per Year Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated, Units=MWh	n/a	-	-	-	-	-
Methane Produced, Units=KTherms	n/a	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	n/a	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	n/a	-	-	-	-	-
Biodiesel Production, Units=KTherms	n/a	-	-	-	-	-
Ethanol Production, Units=Site MMBtu	n/a	-	-	-	-	-
Other,	n/a	-	-	-	-	-

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Units=Site MMBtu						
Total, Units=Site MMBtu	n/a	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

KTherms = 1,000 Therms.

Table K-532 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Renewable Generation by Fuel Type and Sector, Average per Year Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated	n/a	-	-	-	-	-
Methane Produced	n/a	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	-	-	-	-
Biodiesel Production	n/a	-	-	-	-	-
Ethanol Production	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	n/a	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

Table K-533 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Renewable Generation by Fuel Type and Sector, Row Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated	n/a	-	-	-	-	-
Methane Produced	n/a	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	-	-	-	-
Biodiesel Production	n/a	-	-	-	-	-
Ethanol Production	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	n/a	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

Table K-534 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Renewable Generation by Fuel Type and Sector, Column Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated	n/a	-	-	-	-	-
Methane Produced	n/a	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	-	-	-	-
Biodiesel Production	n/a	-	-	-	-	-
Ethanol Production	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	n/a	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

Table K-535

ARRA Period BPAC, Building Codes and Standards

SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Year, Total Estimates, in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	n/a	-	1,692* (2,136)	55,588 (38,913)	144,681 (92,340)	281,042 (170,694)	5,608,259 (2,298,458)	11,948,636 (4,690,974)	5,891,633 (2,123,373)	30,876 (22,258)	23,962,407 (9,420,902)
Natural Gas, Units=KTherms	n/a	-	29 (28)	794 (515)	2,184 (1,146)	4,285 (1,974)	101,144 (32,824)	227,102 (79,715)	119,515 (46,349)	791 (430)	455,843 (160,259)
Oil, Units=KTherms	n/a	-	5* (7)	148 (98)	365 (212)	688 (333)	11,545 (4,670)	24,251 (10,588)	11,585 (5,411)	75 (71)	48,662 (21,307)
Propane, Units=KTherms	n/a	-	-	14 (10)	36 (26)	66 (47)	1,316 (1,021)	2,572 (1,994)	1,142 (892)	3 (3)	5,148 (3,989)
Kerosene, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Diesel, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Other, Units=Site	n/a	-	-	-	-	-	-	-	-	-	-

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
MMBtu											
Total, Units=Site MMBtu	n/a	-	9,157 (10,687)	285,259 (194,237)	752,129 (450,393)	1,462,807 (808,609)	30,536,699 (10,448,570)	66,162,868 (21,811,038)	33,327,297 (10,288,755)	192,166 (117,732)	132,728,380 (43,832,121)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-536 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type
and Year, Total Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	-	19,281* (24,338)	633,488 (443,454)	1,648,796 (1,052,318)	3,202,775 (1,945,238)	63,912,173 (26,193,413)	136,167,610 (53,458,717)	67,141,522 (24,198,128)	351,864 (253,650)	273,077,509 (107,361,347)
Natural Gas	n/a	-	2,994 (2,950)	83,092 (53,923)	228,616 (119,937)	448,609 (206,635)	10,589,783 (3,436,665)	23,777,566 (8,346,138)	12,513,262 (4,852,737)	82,801 (45,055)	47,726,725 (16,779,138)
Oil	n/a	-	529* (722)	14,977 (9,925)	36,882 (21,438)	69,453 (33,668)	1,166,075 (471,661)	2,449,343 (1,069,392)	1,170,038 (546,508)	7,552 (7,192)	4,914,849 (2,151,998)
Propane	n/a	-	-	1,407 (1,039)	3,623 (2,630)	6,683 (4,726)	132,913 (103,143)	259,741 (201,409)	115,369 (90,128)	253 (300)	519,989 (402,937)
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	22,805 (27,847)	732,965 (507,312)	1,917,917 (1,192,798)	3,727,519 (2,179,390)	75,800,944 (28,667,849)	162,654,260 (58,768,786)	80,940,191 (26,800,960)	442,471 (295,155)	326,239,072 (118,056,159)

Note:



Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-537 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type
and Year, Average per Year Estimates, in Original Site Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	2010-2041	n/a	-	1,692* (2,136)	55,588 (38,913)	144,681 (92,340)	281,042 (170,694)	801,180 (328,351)	1,194,864 (469,097)	589,163 (212,337)	30,876 (22,258)	748,825 (294,403)
Natural Gas, Units=KTherms	2010-2041	n/a	-	29 (28)	794 (515)	2,184 (1,146)	4,285 (1,974)	14,449 (4,689)	22,710 (7,971)	11,952 (4,635)	791 (430)	14,245 (5,008)
Oil, Units=KTherms	2010-2041	n/a	-	5* (7)	148 (98)	365 (212)	688 (333)	1,649 (667)	2,425 (1,059)	1,158 (541)	75 (71)	1,521 (666)
Propane, Units=KTherms	2011-2041	n/a	-	-	14 (10)	36 (26)	66 (47)	188 (146)	257 (199)	114 (89)	3 (3)	166 (129)
Kerosene, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Diesel, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Other, Units=Site	n/a	n/a	-	-	-	-	-	-	-	-	-	-

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
MMBtu												
Total, Units=Site MMBtu	2010-2041	n/a	-	9,157 (10,687)	285,259 (194,237)	752,129 (450,393)	1,462,807 (808,609)	4,362,386 (1,492,653)	6,616,287 (2,181,104)	3,332,730 (1,028,875)	192,166 (117,732)	4,147,762 (1,369,754)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-538 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type
and Year, Average per Year Estimates, in Source MMBtu Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	2010-2041	n/a	-	19,281* (24,338)	633,488 (443,454)	1,648,796 (1,052,318)	3,202,775 (1,945,238)	9,130,310 (3,741,916)	13,616,761 (5,345,872)	6,714,152 (2,419,813)	351,864 (253,650)	8,533,672 (3,355,042)
Natural Gas	2010-2041	n/a	-	2,994 (2,950)	83,092 (53,923)	228,616 (119,937)	448,609 (206,635)	1,512,826 (490,952)	2,377,757 (834,614)	1,251,326 (485,274)	82,801 (45,055)	1,491,460 (524,348)
Oil	2010-2041	n/a	-	529* (722)	14,977 (9,925)	36,882 (21,438)	69,453 (33,668)	166,582 (67,380)	244,934 (106,939)	117,004 (54,651)	7,552 (7,192)	153,589 (67,250)
Propane	2011-2041	n/a	-	-	1,407 (1,039)	3,623 (2,630)	6,683 (4,726)	18,988 (14,735)	25,974 (20,141)	11,537 (9,013)	253 (300)	16,774 (12,998)
Kerosene	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Total	2010-2041	n/a	-	22,805 (27,847)	732,965 (507,312)	1,917,917 (1,192,798)	3,727,519 (2,179,390)	10,828,706 (4,095,407)	16,265,426 (5,876,879)	8,094,019 (2,680,096)	442,471 (295,155)	10,194,971 (3,689,255)

Note:



Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-539 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type
and Year, Row Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	-	-	0.2% (0.1%)	0.6% (0.2%)	1.2% (0.3%)	23.4% (0.7%)	49.9% (0.1%)	24.6% (1.0%)	0.1% (0.1%)	100.0% (0.0%)
Natural Gas	n/a	-	-	0.2% (0.1%)	0.5% (0.2%)	0.9% (0.4%)	22.2% (1.2%)	49.8% (0.0%)	26.2% (1.9%)	0.2% (0.0%)	100.0% (0.0%)
Oil	n/a	-	-	0.3% (0.1%)	0.8% (0.1%)	1.4% (0.2%)	23.7% (1.2%)	49.8% (0.1%)	23.8% (1.2%)	0.2% (0.1%)	100.0% (0.0%)
Propane	n/a	-	-	0.3% (0.0%)	0.7% (0.1%)	1.3% (0.2%)	25.6% (0.6%)	50.0% (0.1%)	22.2% (0.5%)	-	100.0% (0.0%)
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	-	0.2% (0.1%)	0.6% (0.2%)	1.1% (0.3%)	23.2% (0.8%)	49.9% (0.1%)	24.8% (1.2%)	0.1% (0.1%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-540 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type
and Year, Column Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	-	84.5% (5.0%)	86.4% (1.2%)	86.0% (1.8%)	85.9% (2.4%)	84.3% (4.2%)	83.7% (4.7%)	83.0% (5.3%)	79.5% (6.9%)	83.7% (4.7%)
Natural Gas	n/a	-	13.1% (5.5%)	11.3% (1.1%)	11.9% (1.7%)	12.0% (2.2%)	14.0% (4.4%)	14.6% (4.9%)	15.5% (5.6%)	18.7% (7.6%)	14.6% (4.9%)
Oil	n/a	-	2.3% (0.5%)	2.0% (0.2%)	1.9% (0.2%)	1.9% (0.3%)	1.5% (0.2%)	1.5% (0.3%)	1.4% (0.4%)	1.7% (0.7%)	1.5% (0.3%)
Propane	n/a	-	-	0.2% (0.1%)	0.2% (0.1%)	0.2% (0.1%)	0.2% (0.1%)	0.2% (0.1%)	0.1% (0.1%)	0.1% (0.0%)	0.2% (0.1%)
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-541 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and
Year, Total Estimates, in Site MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	1,424 (1,684)	120,481 (104,912)	344,088 (265,486)	700,169 (534,559)	16,354,728 (7,929,929)	36,383,386 (17,232,265)	18,984,822 (9,009,178)	119,478 (70,385)	73,008,577 (34,600,342)
Commercial	n/a	-	3,220* (4,394)	68,612 (40,717)	169,904 (84,993)	317,554 (127,859)	5,905,224 (1,999,214)	12,399,864 (4,347,746)	5,972,056 (2,162,018)	30,267 (26,960)	24,866,701 (8,731,652)
Industrial	n/a	-	248* (339)	5,289 (3,139)	13,098 (6,552)	24,481 (9,857)	455,247 (154,124)	955,934 (335,178)	460,400 (166,675)	2,333 (2,078)	1,917,032 (673,143)
Public Institutional	n/a	-	1,536* (2,096)	32,733 (19,425)	81,057 (40,548)	151,497 (60,999)	2,817,236 (953,776)	5,915,668 (2,074,202)	2,849,120 (1,031,445)	14,439 (12,862)	11,863,287 (4,165,655)
Private Institutional	n/a	-	2,729* (3,724)	58,144 (34,505)	143,982 (72,026)	269,105 (108,352)	5,004,263 (1,694,194)	10,508,015 (3,684,409)	5,060,899 (1,832,159)	25,649 (22,846)	21,072,784 (7,399,462)
Total	n/a	-	9,157 (10,687)	285,259 (194,237)	752,129 (450,393)	1,462,807 (808,609)	30,536,699 (10,448,570)	66,162,868 (21,811,038)	33,327,297 (10,288,755)	192,166 (117,732)	132,728,380 (43,832,121)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.



Table K-542 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and
Year, Total Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	2,519 (2,977)	338,257 (311,991)	946,089 (793,337)	1,917,702 (1,600,364)	40,915,408 (22,864,269)	89,479,948 (47,265,794)	45,646,727 (22,630,659)	281,716 (176,003)	179,528,365 (94,871,576)
Commercial	n/a	-	8,447* (11,529)	164,352 (95,459)	404,659 (197,356)	753,589 (292,627)	14,525,972 (4,967,695)	30,469,017 (10,559,997)	14,695,829 (5,165,468)	66,937 (58,756)	61,088,802 (21,181,256)
Industrial	n/a	-	651* (889)	12,670 (7,359)	31,196 (15,215)	58,096 (22,559)	1,119,841 (382,971)	2,348,927 (814,095)	1,132,936 (398,218)	5,160 (4,530)	4,709,477 (1,632,912)
Public Institutional	n/a	-	4,030* (5,500)	78,408 (45,541)	193,053 (94,154)	359,519 (139,605)	6,929,981 (2,369,964)	14,536,013 (5,037,913)	7,011,016 (2,464,317)	31,934 (28,031)	29,143,954 (10,105,053)
Private Institutional	n/a	-	7,158* (9,770)	139,277 (80,895)	342,920 (167,246)	638,614 (247,981)	12,309,742 (4,209,773)	25,820,354 (8,948,857)	12,453,684 (4,377,371)	56,724 (49,792)	51,768,473 (17,949,628)
Total	n/a	-	22,805 (27,847)	732,965 (507,312)	1,917,917 (1,192,798)	3,727,519 (2,179,390)	75,800,944 (28,667,849)	162,654,260 (58,768,786)	80,940,191 (26,800,960)	442,471 (295,155)	326,239,072 (118,056,159)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.



Table K-543 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and
Year, Average per Year Estimates, in Site MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	2010-2041	n/a	-	1,424 (1,684)	120,481 (104,912)	344,088 (265,486)	700,169 (534,559)	2,336,390 (1,132,847)	3,638,339 (1,723,226)	1,898,482 (900,918)	119,478 (70,385)	2,281,518 (1,081,261)
Commercial	2010-2041	n/a	-	3,220* (4,394)	68,612 (40,717)	169,904 (84,993)	317,554 (127,859)	843,603 (285,602)	1,239,986 (434,775)	597,206 (216,202)	30,267 (26,960)	777,084 (272,864)
Industrial	2010-2041	n/a	-	248* (339)	5,289 (3,139)	13,098 (6,552)	24,481 (9,857)	65,035 (22,018)	95,593 (33,518)	46,040 (16,668)	2,333 (2,078)	59,907 (21,036)
Public Institutional	2010-2041	n/a	-	1,536* (2,096)	32,733 (19,425)	81,057 (40,548)	151,497 (60,999)	402,462 (136,254)	591,567 (207,420)	284,912 (103,145)	14,439 (12,862)	370,728 (130,177)
Private Institutional	2010-2041	n/a	-	2,729* (3,724)	58,144 (34,505)	143,982 (72,026)	269,105 (108,352)	714,895 (242,028)	1,050,801 (368,441)	506,090 (183,216)	25,649 (22,846)	658,525 (231,233)
Total	2010-2041	n/a	-	9,157 (10,687)	285,259 (194,237)	752,129 (450,393)	1,462,807 (808,609)	4,362,386 (1,492,653)	6,616,287 (2,181,104)	3,332,730 (1,028,875)	192,166 (117,732)	4,147,762 (1,369,754)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-544 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and
Year, Average per Year Estimates, in Source MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	2010-2041	n/a	-	2,519 (2,977)	338,257 (311,991)	946,089 (793,337)	1,917,702 (1,600,364)	5,845,058 (3,266,324)	8,947,995 (4,726,579)	4,564,673 (2,263,066)	281,716 (176,003)	5,610,261 (2,964,737)
Commercial	2010-2041	n/a	-	8,447* (11,529)	164,352 (95,459)	404,659 (197,356)	753,589 (292,627)	2,075,139 (709,671)	3,046,902 (1,056,000)	1,469,583 (516,547)	66,937 (58,756)	1,909,025 (661,914)
Industrial	2010-2041	n/a	-	651* (889)	12,670 (7,359)	31,196 (15,215)	58,096 (22,559)	159,977 (54,710)	234,893 (81,409)	113,294 (39,822)	5,160 (4,530)	147,171 (51,029)
Public Institutional	2010-2041	n/a	-	4,030* (5,500)	78,408 (45,541)	193,053 (94,154)	359,519 (139,605)	989,997 (338,566)	1,453,601 (503,791)	701,102 (246,432)	31,934 (28,031)	910,749 (315,783)
Private Institutional	2010-2041	n/a	-	7,158* (9,770)	139,277 (80,895)	342,920 (167,246)	638,614 (247,981)	1,758,535 (601,396)	2,582,035 (894,886)	1,245,368 (437,737)	56,724 (49,792)	1,617,765 (560,926)
Total	2010-2041	n/a	-	22,805 (27,847)	732,965 (507,312)	1,917,917 (1,192,798)	3,727,519 (2,179,390)	10,828,706 (4,095,407)	16,265,426 (5,876,879)	8,094,019 (2,680,096)	442,471 (295,155)	10,194,971 (3,689,255)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-545 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and
Year, Row Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	-	0.2% (0.1%)	0.5% (0.2%)	1.1% (0.5%)	22.8% (1.6%)	49.8% (0.0%)	25.4% (2.4%)	0.2% (0.0%)	100.0% (0.0%)
Commercial	n/a	-	-	0.3% (0.1%)	0.7% (0.2%)	1.2% (0.2%)	23.8% (0.9%)	49.9% (0.1%)	24.1% (0.9%)	0.1% (0.1%)	100.0% (0.0%)
Industrial	n/a	-	-	0.3% (0.1%)	0.7% (0.2%)	1.2% (0.2%)	23.8% (0.9%)	49.9% (0.1%)	24.1% (0.9%)	0.1% (0.1%)	100.0% (0.0%)
Public Institutional	n/a	-	-	0.3% (0.1%)	0.7% (0.2%)	1.2% (0.2%)	23.8% (0.9%)	49.9% (0.1%)	24.1% (0.9%)	0.1% (0.1%)	100.0% (0.0%)
Private Institutional	n/a	-	-	0.3% (0.1%)	0.7% (0.2%)	1.2% (0.2%)	23.8% (0.9%)	49.9% (0.1%)	24.1% (0.9%)	0.1% (0.1%)	100.0% (0.0%)
Total	n/a	-	-	0.2% (0.1%)	0.6% (0.2%)	1.1% (0.3%)	23.2% (0.8%)	49.9% (0.1%)	24.8% (1.2%)	0.1% (0.1%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-546 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and
Year, Column Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	11.0%* (17.7%)	46.1% (15.4%)	49.3% (14.2%)	51.4% (15.0%)	54.0% (14.0%)	55.0% (13.8%)	56.4% (14.3%)	63.7% (13.9%)	55.0% (13.8%)
Commercial	n/a	-	37.0% (7.4%)	22.4% (6.4%)	21.1% (5.9%)	20.2% (6.2%)	19.2% (5.8%)	18.7% (5.7%)	18.2% (5.9%)	15.1% (5.8%)	18.7% (5.7%)
Industrial	n/a	-	2.9% (0.6%)	1.7% (0.5%)	1.6% (0.5%)	1.6% (0.5%)	1.5% (0.5%)	1.4% (0.4%)	1.4% (0.5%)	1.2% (0.4%)	1.4% (0.4%)
Public Institutional	n/a	-	17.7% (3.5%)	10.7% (3.1%)	10.1% (2.8%)	9.6% (3.0%)	9.1% (2.8%)	8.9% (2.7%)	8.7% (2.8%)	7.2% (2.8%)	8.9% (2.7%)
Private Institutional	n/a	-	31.4% (6.3%)	19.0% (5.4%)	17.9% (5.0%)	17.1% (5.3%)	16.2% (5.0%)	15.9% (4.9%)	15.4% (5.0%)	12.8% (4.9%)	15.9% (4.9%)
Total	n/a	-	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-547

ARRA Period BPAC, Building Codes and Standards

SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Total Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity, Units=MWh	13,179,078 (7,790,428)	4,490,065 (1,580,257)	346,150 (121,826)	2,142,099 (753,902)	3,805,015 (1,339,157)	23,962,407 (9,420,902)
Natural Gas, Units=KTherms	275,249 (158,743)	75,197 (31,726)	5,797 (2,446)	35,875 (15,136)	63,725 (26,886)	455,843 (160,259)
Oil, Units=KTherms	n/a	20,262 (8,872)	1,562 (684)	9,667 (4,233)	17,171 (7,518)	48,662 (21,307)
Propane, Units=KTherms	5,148 (3,989)	-	-	-	-	5,148 (3,989)
Kerosene, Units=KTherms	n/a	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	-	-	-
Diesel, Units=Site MMBtu	n/a	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	-	-	-	-	-
Other, Units=Site MMBtu	n/a	-	-	-	-	-

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Total, Units=Site MMBtu	73,008,577 (34,600,342)	24,866,701 (8,731,652)	1,917,032 (673,143)	11,863,287 (4,165,655)	21,072,784 (7,399,462)	132,728,380 (43,832,121)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-548 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Total Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	150,189,831 (88,780,341)	51,169,143 (18,008,740)	3,944,748 (1,388,336)	24,411,530 (8,591,524)	43,362,258 (15,261,143)	273,077,509 (107,361,347)
Natural Gas	28,818,545 (16,620,414)	7,873,168 (3,321,711)	606,961 (256,078)	3,756,093 (1,584,706)	6,671,957 (2,814,917)	47,726,725 (16,779,138)
Oil	n/a	2,046,492 (896,069)	157,769 (69,080)	976,330 (427,492)	1,734,258 (759,356)	4,914,849 (2,151,998)
Propane	519,989 (402,937)	-	-	-	-	519,989 (402,937)
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	-	-	-
Diesel	n/a	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	179,528,365 (94,871,576)	61,088,802 (21,181,256)	4,709,477 (1,632,912)	29,143,954 (10,105,053)	51,768,473 (17,949,628)	326,239,072 (118,056,159)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.



"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-549 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Average per Year Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity, Units=MWh	411,846 (243,451)	140,315 (49,383)	10,817 (3,807)	66,941 (23,559)	118,907 (41,849)	748,825 (294,403)
Natural Gas, Units=KTherms	8,602 (4,961)	2,350 (991)	181 (76)	1,121 (473)	1,991 (840)	14,245 (5,008)
Oil, Units=KTherms	n/a	633 (277)	49 (21)	302 (132)	537 (235)	1,521 (666)
Propane, Units=KTherms	166 (129)	-	-	-	-	166 (129)
Kerosene, Units=KTherms	n/a	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	-	-	-
Diesel, Units=Site MMBtu	n/a	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	-	-	-	-	-
Other, Units=Site MMBtu	n/a	-	-	-	-	-

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Total, Units=Site MMBtu	2,281,518 (1,081,261)	777,084 (272,864)	59,907 (21,036)	370,728 (130,177)	658,525 (231,233)	4,147,762 (1,369,754)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-550 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Average per Year Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	4,693,432 (2,774,386)	1,599,036 (562,773)	123,273 (43,385)	762,860 (268,485)	1,355,071 (476,911)	8,533,672 (3,355,042)
Natural Gas	900,580 (519,388)	246,037 (103,803)	18,968 (8,002)	117,378 (49,522)	208,499 (87,966)	1,491,460 (524,348)
Oil	n/a	63,953 (28,002)	4,930 (2,159)	30,510 (13,359)	54,196 (23,730)	153,589 (67,250)
Propane	16,774 (12,998)	-	-	-	-	16,774 (12,998)
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	-	-	-
Diesel	n/a	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	5,610,261 (2,964,737)	1,909,025 (661,914)	147,171 (51,029)	910,749 (315,783)	1,617,765 (560,926)	10,194,971 (3,689,255)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.



Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-551

ARRA Period BPAC, Building Codes and Standards

SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Row Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	55.0% (15.2%)	18.7% (6.3%)	1.4% (0.5%)	8.9% (3.0%)	15.9% (5.4%)	100.0% (0.0%)
Natural Gas	60.4% (18.8%)	16.5% (7.8%)	1.3% (0.6%)	7.9% (3.7%)	14.0% (6.6%)	100.0% (0.0%)
Oil	n/a	41.6% (0.0%)	3.2% (0.0%)	19.9% (0.0%)	35.3% (0.0%)	100.0% (0.0%)
Propane	100.0% (0.0%)	-	-	-	-	100.0% (0.0%)
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	-	-	-
Diesel	n/a	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	55.0% (13.8%)	18.7% (5.7%)	1.4% (0.4%)	8.9% (2.7%)	15.9% (4.9%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.



Table K-552 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Column Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	83.7% (9.4%)	83.8% (4.2%)	83.8% (4.2%)	83.8% (4.2%)	83.8% (4.2%)	83.7% (4.7%)
Natural Gas	16.1% (9.4%)	12.9% (3.3%)	12.9% (3.3%)	12.9% (3.3%)	12.9% (3.3%)	14.6% (4.9%)
Oil	n/a	3.4% (0.9%)	3.4% (0.9%)	3.4% (0.9%)	3.4% (0.9%)	1.5% (0.3%)
Propane	0.3% (0.3%)	-	-	-	-	0.2% (0.1%)
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	-	-	-
Diesel	n/a	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.



Table K-553 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Bill Savings by Fuel Type and Year, Total Estimates, in Thousand 2009 Dollars

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	-	\$229*	\$7,477	\$18,782	\$36,900	\$758,610	\$1,626,804	\$838,365	\$4,400	\$3,291,566
Natural Gas	n/a	-	\$41	\$875	\$2,395	\$4,777	\$123,628	\$310,031	\$184,878	\$1,341	\$627,967
Oil	n/a	-	\$9*	\$250	\$612	\$1,145	\$18,580	\$42,134	\$22,930	\$180	\$85,840
Propane	n/a	-	-	\$37	\$94	\$172	\$3,268	\$6,621	\$3,132	\$8	\$13,331
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	\$278	\$8,639	\$21,882	\$42,993	\$904,087	\$1,985,590	\$1,049,305	\$5,929	\$4,018,704

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-554 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Bill Savings by Fuel Type and Year, Row Percent Estimates, in Thousand 2009 Dollars

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	-	-	0.2%	0.6%	1.1%	23.0%	49.4%	25.5%	0.1%	100.0%
Natural Gas	n/a	-	-	0.1%	0.4%	0.8%	19.7%	49.4%	29.4%	0.2%	100.0%
Oil	n/a	-	-	0.3%	0.7%	1.3%	21.6%	49.1%	26.7%	0.2%	100.0%
Propane	n/a	-	-	0.3%	0.7%	1.3%	24.5%	49.7%	23.5%	0.1%*	100.0%
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	-	0.2%	0.5%	1.1%	22.5%	49.4%	26.1%	0.1%	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-555 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Bill Savings by Fuel Type and Year, Column Percent Estimates, in Thousand 2009 Dollars

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	-	82.2%	86.5%	85.8%	85.8%	83.9%	81.9%	79.9%	74.2%	81.9%
Natural Gas	n/a	-	14.7%	10.1%	10.9%	11.1%	13.7%	15.6%	17.6%	22.6%	15.6%
Oil	n/a	-	3.1%	2.9%	2.8%	2.7%	2.1%	2.1%	2.2%	3.0%	2.1%
Propane	n/a	-	-	0.4%	0.4%	0.4%	0.4%	0.3%	0.3%	0.1%	0.3%
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-556

ARRA Period BPAC, Building Codes and Standards

SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Fuel Type and Year, SEP-Attributable Energy in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	n/a	-	\$135.30*	\$134.50	\$129.81	\$131.30	\$135.27	\$136.15	\$142.30	\$142.51	\$137.36
Natural Gas, Units=KTher ms	n/a	-	\$1,428.94	\$1,103.15	\$1,096.82	\$1,114.79	\$1,222.30	\$1,365.16	\$1,546.90	\$1,696.24	\$1,377.60
Oil, Units=KTher ms	n/a	-	\$1,659.94*	\$1,687.79	\$1,676.17	\$1,665.05	\$1,609.34	\$1,737.42	\$1,979.35	\$2,402.59	\$1,764.01
Propane, Units=KTher ms	n/a	-	-	\$2,631.50	\$2,610.89	\$2,597.89	\$2,483.20	\$2,574.55	\$2,742.20	\$3,095.43	\$2,589.36
Kerosene, Units=KTher ms	n/a	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Diesel, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Other, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Total, Units=Site	n/a	-	\$30.41	\$30.29	\$29.09	\$29.39	\$29.61	\$30.01	\$31.48	\$30.85	\$30.28

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
MMBtu											

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-557

ARRA Period BPAC, Building Codes and Standards

SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Fuel Type and Year, SEP-Attributable Energy in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	-	\$11.87*	\$11.80	\$11.39	\$11.52	\$11.87	\$11.95	\$12.49	\$12.51	\$12.05
Natural Gas	n/a	-	\$13.65	\$10.54	\$10.48	\$10.65	\$11.67	\$13.04	\$14.77	\$16.20	\$13.16
Oil	n/a	-	\$16.44*	\$16.71	\$16.60	\$16.49	\$15.93	\$17.20	\$19.60	\$23.79	\$17.47
Propane	n/a	-	-	\$26.05	\$25.85	\$25.72	\$24.59	\$25.49	\$27.15	\$30.65	\$25.64
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	\$12.21	\$11.79	\$11.41	\$11.53	\$11.93	\$12.21	\$12.96	\$13.40	\$12.32

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-558 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Bill Savings by Sector and Year, Total Estimates, in Thousand 2009 Dollars

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	\$30	\$4,335	\$11,798	\$23,887	\$514,556	\$1,159,156	\$626,180	\$4,026	\$2,343,968
Commercial	n/a	-	\$104*	\$1,813	\$4,251	\$8,052	\$164,074	\$347,930	\$177,970	\$801	\$704,996
Industrial	n/a	-	\$6*	\$91	\$203	\$388	\$8,140	\$17,668	\$9,432	\$42	\$35,970
Public Institutional	n/a	-	\$50*	\$865	\$2,028	\$3,842	\$78,276	\$165,989	\$84,905	\$382	\$336,336
Private Institutional	n/a	-	\$88*	\$1,536	\$3,603	\$6,824	\$139,041	\$294,847	\$150,817	\$678	\$597,434
Total	n/a	-	\$278	\$8,639	\$21,882	\$42,993	\$904,087	\$1,985,590	\$1,049,305	\$5,929	\$4,018,704

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-559 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Bill Savings by Sector and Year, Row Percent Estimates, in Thousand 2009 Dollars

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	-	0.2%	0.5%	1.0%	22.0%	49.5%	26.7%	0.2%	100.0%
Commercial	n/a	-	-	0.3%	0.6%	1.1%	23.3%	49.4%	25.2%	0.1%	100.0%
Industrial	n/a	-	-	0.3%	0.6%	1.1%	22.6%	49.1%	26.2%	0.1%	100.0%
Public Institutional	n/a	-	-	0.3%	0.6%	1.1%	23.3%	49.4%	25.2%	0.1%	100.0%
Private Institutional	n/a	-	-	0.3%	0.6%	1.1%	23.3%	49.4%	25.2%	0.1%	100.0%
Total	n/a	-	-	0.2%	0.5%	1.1%	22.5%	49.4%	26.1%	0.1%	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-560 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Bill Savings by Sector and Year, Column Percent Estimates, in Thousand 2009 Dollars

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	10.8%*	50.2%	53.9%	55.6%	56.9%	58.4%	59.7%	67.9%	58.3%
Commercial	n/a	-	37.5%	21.0%	19.4%	18.7%	18.1%	17.5%	17.0%	13.5%	17.5%
Industrial	n/a	-	2.1%	1.1%	0.9%	0.9%	0.9%	0.9%	0.9%	0.7%	0.9%
Public Institutional	n/a	-	17.9%	10.0%	9.3%	8.9%	8.7%	8.4%	8.1%	6.4%	8.4%
Private Institutional	n/a	-	31.8%	17.8%	16.5%	15.9%	15.4%	14.8%	14.4%	11.4%	14.9%
Total	n/a	-	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-561 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Sector and Year, SEP-Attributable Energy in Site MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	\$21.04	\$35.98	\$34.29	\$34.12	\$31.46	\$31.86	\$32.98	\$33.70	\$32.11
Commercial	n/a	-	\$32.41*	\$26.42	\$25.02	\$25.36	\$27.78	\$28.06	\$29.80	\$26.45	\$28.35
Industrial	n/a	-	\$23.88*	\$17.20	\$15.47	\$15.86	\$17.88	\$18.48	\$20.49	\$18.02	\$18.76
Public Institutional	n/a	-	\$32.41*	\$26.42	\$25.02	\$25.36	\$27.78	\$28.06	\$29.80	\$26.45	\$28.35
Private Institutional	n/a	-	\$32.41*	\$26.42	\$25.02	\$25.36	\$27.78	\$28.06	\$29.80	\$26.45	\$28.35
Total	n/a	-	\$30.41	\$30.29	\$29.09	\$29.39	\$29.61	\$30.01	\$31.48	\$30.85	\$30.28

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

""*"" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-562 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Sector and Year, SEP-Attributable Energy in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	\$11.90	\$12.82	\$12.47	\$12.46	\$12.58	\$12.95	\$13.72	\$14.29	\$13.06
Commercial	n/a	-	\$12.35*	\$11.03	\$10.51	\$10.69	\$11.30	\$11.42	\$12.11	\$11.96	\$11.54
Industrial	n/a	-	\$9.10*	\$7.18	\$6.49	\$6.68	\$7.27	\$7.52	\$8.33	\$8.15	\$7.64
Public Institutional	n/a	-	\$12.35*	\$11.03	\$10.51	\$10.69	\$11.30	\$11.42	\$12.11	\$11.96	\$11.54
Private Institutional	n/a	-	\$12.35*	\$11.03	\$10.51	\$10.69	\$11.30	\$11.42	\$12.11	\$11.96	\$11.54
Total	n/a	-	\$12.21	\$11.79	\$11.41	\$11.53	\$11.93	\$12.21	\$12.96	\$13.40	\$12.32

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-563 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Bill Savings by Fuel Type and Sector, Total Estimates, in Thousand 2009 Dollars

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	\$1,919,441	\$578,446	\$27,525	\$275,962	\$490,192	\$3,291,566
Natural Gas	\$411,196	\$90,838	\$5,618	\$43,336	\$76,979	\$627,967
Oil	n/a	\$35,712	\$2,827	\$17,037	\$30,263	\$85,840
Propane	\$13,331	-	-	-	-	\$13,331
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	-	-	-
Diesel	n/a	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	\$2,343,968	\$704,996	\$35,970	\$336,336	\$597,434	\$4,018,704

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-564 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Bill Savings by Fuel Type and Sector, Row Percent Estimates, in Thousand 2009 Dollars

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	58.3%	17.6%	0.8%	8.4%	14.9%	100.0%
Natural Gas	65.5%	14.5%	0.9%	6.9%	12.3%	100.0%
Oil	n/a	41.6%	3.3%	19.8%	35.3%	100.0%
Propane	100.0%	-	-	-	-	100.0%
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	-	-	-
Diesel	n/a	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	58.3%	17.5%	0.9%	8.4%	14.9%	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-565 ARRA Period BPAC, Building Codes and Standards
SEP-Attributable Bill Savings by Fuel Type and Sector, Column Percent Estimates, in Thousand 2009 Dollars

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	81.9%	82.0%	76.5%	82.0%	82.0%	81.9%
Natural Gas	17.5%	12.9%	15.6%	12.9%	12.9%	15.6%
Oil	n/a	5.1%	7.9%	5.1%	5.1%	2.1%
Propane	0.6%	-	-	-	-	0.3%
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	-	-	-
Diesel	n/a	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-566 **ARRA Period BPAC, Building Codes and Standards**
SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Fuel Type and Sector, SEP-Attributable Energy in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity, Units=MWh	\$145.64	\$128.83	\$79.52	\$128.83	\$128.83	\$137.36
Natural Gas, Units=KTherms	\$1,493.91	\$1,207.99	\$969.11	\$1,207.99	\$1,207.99	\$1,377.60
Oil, Units=KTherms	n/a	\$1,762.48	\$1,809.89	\$1,762.48	\$1,762.48	\$1,764.01
Propane, Units=KTherms	\$2,589.36	-	-	-	-	\$2,589.36
Kerosene, Units=KTherms	n/a	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	-	-	-
Diesel, Units=Site MMBtu	n/a	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	-	-	-	-	-
Other, Units=Site MMBtu	n/a	-	-	-	-	-
Total,	\$32.11	\$28.35	\$18.76	\$28.35	\$28.35	\$30.28

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Units=Site MMBtu						

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-567 ARRA Period BPAC, Building Codes and Standards
SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Fuel Type and Sector, SEP-Attributable Energy in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	\$12.78	\$11.30	\$6.98	\$11.30	\$11.30	\$12.05
Natural Gas	\$14.27	\$11.54	\$9.26	\$11.54	\$11.54	\$13.16
Oil	n/a	\$17.45	\$17.92	\$17.45	\$17.45	\$17.47
Propane	\$25.64	-	-	-	-	\$25.64
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	-	-	-
Diesel	n/a	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	\$13.06	\$11.54	\$7.64	\$11.54	\$11.54	\$12.32

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-568 **ARRA Period BPAC, Building Retrofits**
Overall Energy Savings by Fuel Type and Year, Total Estimates, in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	n/a	9,378* (14,386)	164,314 (173,292)	501,979 (465,722)	791,928 (629,080)	795,311 (628,012)	4,107,765 (2,575,936)	1,636,954 (1,009,349)	34,135 (33,029)	-	8,041,765 (5,064,438)
Natural Gas, Units=KTherms	n/a	-	285 (311)	10,117 (12,381)	18,535* (24,572)	18,535* (24,572)	70,234 (83,050)	27,370 (21,259)	490 (415)	-	145,565 (164,666)
Oil, Units=KTherms	n/a	-	40* (58)	448* (638)	474* (639)	474* (639)	3,315* (4,476)	4,413* (5,971)	412* (587)	-	9,575* (13,007)
Propane, Units=KTherms	n/a	-	38* (55)	87* (116)	87* (116)	87* (116)	611* (813)	859* (1,142)	208* (296)	-	1,978* (2,654)
Kerosene, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	73* (104)	73* (104)	73* (104)	508* (725)	733* (1,045)	243* (347)	-	1,703* (2,427)
Diesel, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Other, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Total,	n/a	32,000*	597,003	2,778,056	4,611,820	4,623,366	21,432,73	8,850,536	227,658	-	43,153,17

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Units=Site MMBtu		(49,086)	(588,646)	(2,778,103)	(4,497,546)	(4,494,575)	6 (15,865,30 4)	(4,989,087)	(180,949)		6 (31,810,41 4)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-569

ARRA Period BPAC, Building Retrofits
Overall Energy Savings by Fuel Type and Year, Total Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	106,877* (163,941)	1,872,541 (1,974,848)	5,720,597 (5,307,408)	9,024,872 (7,169,046)	9,063,433 (7,156,873)	46,812,420 (29,355,577)	18,654,854 (11,502,617)	389,008 (376,407)	-	91,644,602 (57,714,739)
Natural Gas	n/a	-	29,802 (32,613)	1,059,209 (1,296,283)	1,940,616* (2,572,660)	1,940,616* (2,572,660)	7,353,512 (8,695,367)	2,865,657 (2,225,782)	51,289 (43,441)	-	15,240,700 (17,240,507)
Oil	n/a	-	4,081* (5,818)	45,220* (64,461)	47,824* (64,585)	47,824* (64,585)	334,770* (452,096)	445,756* (603,089)	41,573* (59,263)	-	967,050* (1,313,681)
Propane	n/a	-	3,872* (5,519)	8,814* (11,726)	8,814* (11,726)	8,814* (11,726)	61,701* (82,085)	86,788* (115,332)	21,000* (29,936)	-	199,805* (268,024)
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	73* (104)	73* (104)	73* (104)	508* (725)	733* (1,045)	243* (347)	-	1,703* (2,427)
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	106,877* (163,941)	1,910,296 (1,971,382)	6,833,913 (6,527,509)	11,022,199 (9,565,121)	11,060,760 (9,553,974)	54,562,912 (36,117,353)	22,053,788 (12,775,636)	503,114 (417,611)	-	108,053,859 (71,819,100)

Note:



Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-570 **ARRA Period BPAC, Building Retrofits**
Overall Energy Savings by Fuel Type and Year, Average per Year Estimates, in Original Site Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	2009-2035	n/a	9,378* (14,386)	164,314 (173,292)	501,979 (465,722)	791,928 (629,080)	795,311 (628,012)	586,824 (367,991)	163,695 (100,935)	6,827 (6,606)	-	297,843 (187,572)
Natural Gas, Units=KTherms	2010-2035	n/a	-	285 (311)	10,117 (12,381)	18,535* (24,572)	18,535* (24,572)	10,033 (11,864)	2,737 (2,126)	98 (83)	-	5,599 (6,333)
Oil, Units=KTherms	2010-2035	n/a	-	40* (58)	448* (638)	474* (639)	474* (639)	474* (639)	441* (597)	82* (117)	-	368* (500)
Propane, Units=KTherms	2010-2035	n/a	-	38* (55)	87* (116)	87* (116)	87* (116)	87* (116)	86* (114)	42* (59)	-	76* (102)
Kerosene, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	2011-2035	n/a	-	-	73* (104)	73* (104)	73* (104)	73* (104)	73* (104)	49* (69)	-	68* (97)
Diesel, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Other, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Total,	2009-	n/a	32,000*	597,003	2,778,056	4,611,820	4,623,366	3,061,819	885,054	45,532	-	1,598,266

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Units=Site MMBtu	2035		(49,086)	(588,646)	(2,778,103)	(4,497,546)	(4,494,575)	(2,266,472)	(498,909)	(36,190)		(1,178,163)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-571 **ARRA Period BPAC, Building Retrofits**
Overall Energy Savings by Fuel Type and Year, Average per Year Estimates, in Source MMBtu Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	2009-2035	n/a	106,877* (163,941)	1,872,541 (1,974,848)	5,720,597 (5,307,408)	9,024,872 (7,169,046)	9,063,433 (7,156,873)	6,687,489 (4,193,654)	1,865,485 (1,150,262)	77,802 (75,281)	-	3,394,245 (2,137,583)
Natural Gas	2010-2035	n/a	-	29,802 (32,613)	1,059,209 (1,296,283)	1,940,616* (2,572,660)	1,940,616* (2,572,660)	1,050,502 (1,242,195)	286,566 (222,578)	10,258 (8,688)	-	586,181 (663,096)
Oil	2010-2035	n/a	-	4,081* (5,818)	45,220* (64,461)	47,824* (64,585)	47,824* (64,585)	47,824* (64,585)	44,576* (60,309)	8,315* (11,853)	-	37,194* (50,526)
Propane	2010-2035	n/a	-	3,872* (5,519)	8,814* (11,726)	8,814* (11,726)	8,814* (11,726)	8,814* (11,726)	8,679* (11,533)	4,200* (5,987)	-	7,685* (10,309)
Kerosene	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Wood	2011-2035	n/a	-	-	73* (104)	73* (104)	73* (104)	73* (104)	73* (104)	49* (69)	-	68* (97)
Diesel	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Total	2009-2035	n/a	106,877* (163,941)	1,910,296 (1,971,382)	6,833,913 (6,527,509)	11,022,199 (9,565,121)	11,060,760 (9,553,974)	7,794,702 (5,159,622)	2,205,379 (1,277,564)	100,623 (83,522)	-	4,001,995 (2,659,967)

Note:



Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-572 **ARRA Period BPAC, Building Retrofits**
Overall Energy Savings by Fuel Type and Year, Row Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	0.1%* (0.2%)	2.0% (2.0%)	6.2% (2.6%)	9.8% (2.6%)	9.9% (2.6%)	51.1% (6.8%)	20.4% (7.2%)	0.4%* (0.6%)	-	100.0% (0.0%)
Natural Gas	n/a	-	0.2% (0.0%)	6.9% (0.8%)	12.7% (2.8%)	12.7% (2.8%)	48.2% (3.3%)	18.8% (9.1%)	0.3%* (0.4%)	-	100.0% (0.0%)
Oil	n/a	-	0.4% (0.0%)	4.7% (0.5%)	4.9% (0.1%)	4.9% (0.1%)	34.6% (0.4%)	46.1% (0.4%)	4.3% (0.4%)	-	100.0% (0.0%)
Propane	n/a	-	1.9% (0.2%)	4.4% (0.1%)	4.4% (0.1%)	4.4% (0.1%)	30.9% (0.4%)	43.4% (0.6%)	10.5% (1.0%)	-	100.0% (0.0%)
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	4.3% (0.0%)	4.3% (0.0%)	4.3% (0.0%)	29.9% (0.0%)	43.0% (0.0%)	14.3% (0.0%)	-	100.0% (0.0%)
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	0.1%* (0.2%)	1.8% (1.8%)	6.3% (2.3%)	10.2% (2.8%)	10.2% (2.8%)	50.5% (5.9%)	20.4% (7.1%)	0.5% (0.5%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-573 **ARRA Period BPAC, Building Retrofits**
Overall Energy Savings by Fuel Type and Year, Column Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	100.0% (0.0%)	98.0% (2.9%)	83.7% (6.5%)	81.9% (9.8%)	81.9% (9.8%)	85.8% (9.9%)	84.6% (9.8%)	77.3% (23.3%)	-	84.8% (9.2%)
Natural Gas	n/a	-	1.6%* (2.5%)	15.5% (6.6%)	17.6% (10.1%)	17.5% (10.1%)	13.5% (9.9%)	13.0% (8.0%)	10.2% (6.9%)	-	14.1% (9.3%)
Oil	n/a	-	0.2%* (0.4%)	0.7%* (1.1%)	0.4%* (0.7%)	0.4%* (0.7%)	0.6%* (0.9%)	2.0%* (2.9%)	8.3%* (11.6%)	-	0.9%* (1.3%)
Propane	n/a	-	0.2%* (0.4%)	0.1%* (0.2%)	0.1%* (0.1%)	0.1%* (0.1%)	0.1%* (0.2%)	0.4%* (0.5%)	4.2%* (5.8%)	-	0.2%* (0.3%)
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-574 **ARRA Period BPAC, Building Retrofits**
Overall Renewable Generation by Fuel Type and Year, Total Estimates, in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated, Units=MWh	n/a	-	-	-	-	-	-	-	-	-	-
Methane Produced, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-
Biodiesel Production, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol Production, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Other, Units=Site	n/a	-	-	-	-	-	-	-	-	-	-

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
MMBtu											
Total, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

KTherms = 1,000 Therms.

Table K-575 **ARRA Period BPAC, Building Retrofits**
Overall Renewable Generation by Fuel Type and Year, Total Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	n/a	-	-	-	-	-	-	-	-	-	-
Methane Produced	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	-	-	-	-	-	-	-	-	-
Biodiesel Production	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol Production	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

Table K-576

ARRA Period BPAC, Building Retrofits

Overall Renewable Generation by Fuel Type and Year, Average per Year Estimates, in Original Site Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated, Units=MWh	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Methane Produced, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Biodiesel Production, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol Production, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Other,	n/a	n/a	-	-	-	-	-	-	-	-	-	-

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Units=Site MMBtu												
Total, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

KTherms = 1,000 Therms.

Table K-577 **ARRA Period BPAC, Building Retrofits**
Overall Renewable Generation by Fuel Type and Year, Average per Year Estimates, in Source MMBtu Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Methane Produced	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Biodiesel Production	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol Production	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	n/a	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

Table K-578 **ARRA Period BPAC, Building Retrofits**
Overall Renewable Generation by Fuel Type and Year, Row Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	n/a	-	-	-	-	-	-	-	-	-	-
Methane Produced	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	-	-	-	-	-	-	-	-	-
Biodiesel Production	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol Production	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

Table K-579 **ARRA Period BPAC, Building Retrofits**
Overall Renewable Generation by Fuel Type and Year, Column Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	n/a	-	-	-	-	-	-	-	-	-	-
Methane Produced	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	-	-	-	-	-	-	-	-	-
Biodiesel Production	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol Production	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

Table K-580

ARRA Period BPAC, Building Retrofits
SEP-Attributable Energy Savings by Fuel Type and Year, Total Estimates, in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	n/a	9,378* (14,386)	158,091 (170,967)	447,055 (420,639)	704,960 (567,147)	679,729 (540,055)	3,278,409 (2,125,312)	1,332,007 (878,388)	32,463 (31,876)	-	6,642,093 (4,210,970)
Natural Gas, Units=KTher ms	n/a	-	277 (311)	8,760 (10,850)	16,432* (21,977)	16,394* (21,919)	56,316 (67,134)	19,038 (15,609)	401 (347)	-	117,619 (135,347)
Oil, Units=KTher ms	n/a	-	40* (58)	446* (636)	472* (637)	472* (637)	3,304* (4,461)	4,398* (5,949)	404* (576)	-	9,536* (12,951)
Propane, Units=KTher ms	n/a	-	38* (55)	87* (116)	87* (116)	87* (116)	611* (813)	859* (1,142)	208* (296)	-	1,978* (2,654)
Kerosene, Units=KTher ms	n/a	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	73* (104)	73* (104)	73* (104)	508* (725)	733* (1,045)	243* (347)	-	1,703* (2,427)
Diesel, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Other, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Total,	n/a	32,000*	574,968	2,454,906	4,104,603	4,014,696	17,209,95	6,975,271	212,307	-	35,578,70

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Units=Site MMBtu		(49,086)	(580,976)	(2,465,927)	(4,015,810)	(3,910,223)	3 (12,342,39 3)	(3,931,819)	(169,696)		3 (25,486,22 5)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-581

ARRA Period BPAC, Building Retrofits
SEP-Attributable Energy Savings by Fuel Type and Year, Total Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	106,877* (163,941)	1,801,613 (1,948,356)	5,094,677 (4,793,640)	8,033,786 (6,463,253)	7,746,241 (6,154,509)	37,361,015 (24,220,220)	15,179,657 (10,010,174)	369,955 (363,266)	-	75,693,820 (47,988,546)
Natural Gas	n/a	-	28,967 (32,607)	917,224 (1,136,042)	1,720,415* (2,301,034)	1,716,424* (2,294,928)	5,896,293 (7,028,943)	1,993,327 (1,634,300)	42,012 (36,359)	-	12,314,663 (14,170,814)
Oil	n/a	-	4,081* (5,818)	45,088* (64,273)	47,665* (64,359)	47,665* (64,359)	333,658* (450,513)	444,167* (600,827)	40,779* (58,131)	-	963,104* (1,308,064)
Propane	n/a	-	3,872* (5,519)	8,814* (11,726)	8,814* (11,726)	8,814* (11,726)	61,701* (82,085)	86,788* (115,332)	21,000* (29,936)	-	199,805* (268,024)
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	73* (104)	73* (104)	73* (104)	508* (725)	733* (1,045)	243* (347)	-	1,703* (2,427)
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	106,877* (163,941)	1,838,533 (1,945,151)	6,065,875 (5,845,148)	9,810,754 (8,569,394)	9,519,217 (8,239,847)	43,653,176 (28,722,958)	17,704,672 (10,607,415)	473,990 (394,714)	-	89,173,094 (58,247,940)

Note:



Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-582

ARRA Period BPAC, Building Retrofits
SEP-Attributable Energy Savings by Fuel Type and Year, Average per Year Estimates, in Original Site Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	2009-2035	n/a	9,378* (14,386)	158,091 (170,967)	447,055 (420,639)	704,960 (567,147)	679,729 (540,055)	468,344 (303,616)	133,201 (87,839)	6,493 (6,375)	-	246,003 (155,962)
Natural Gas, Units=KTherms	2010-2035	n/a	-	277 (311)	8,760 (10,850)	16,432* (21,977)	16,394* (21,919)	8,045 (9,591)	1,904 (1,561)	80 (69)	-	4,524 (5,206)
Oil, Units=KTherms	2010-2035	n/a	-	40* (58)	446* (636)	472* (637)	472* (637)	472* (637)	440* (595)	81* (115)	-	367* (498)
Propane, Units=KTherms	2010-2035	n/a	-	38* (55)	87* (116)	87* (116)	87* (116)	87* (116)	86* (114)	42* (59)	-	76* (102)
Kerosene, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	2011-2035	n/a	-	-	73* (104)	73* (104)	73* (104)	73* (104)	73* (104)	49* (69)	-	68* (97)
Diesel, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Other, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Total,	2009-	n/a	32,000*	574,968	2,454,906	4,104,603	4,014,696	2,458,565	697,527	42,461	-	1,317,730

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Units=Site MMBtu	2035		(49,086)	(580,976)	(2,465,927)	(4,015,810)	(3,910,223)	(1,763,199)	(393,182)	(33,939)		(943,934)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-583 **ARRA Period BPAC, Building Retrofits**
SEP-Attributable Energy Savings by Fuel Type and Year, Average per Year Estimates, in Source MMBtu Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	2009-2035	n/a	106,877* (163,941)	1,801,613 (1,948,356)	5,094,677 (4,793,640)	8,033,786 (6,463,253)	7,746,241 (6,154,509)	5,337,288 (3,460,031)	1,517,966 (1,001,017)	73,991 (72,653)	-	2,803,475 (1,777,354)
Natural Gas	2010-2035	n/a	-	28,967 (32,607)	917,224 (1,136,042)	1,720,415* (2,301,034)	1,716,424* (2,294,928)	842,328 (1,004,135)	199,333 (163,430)	8,402 (7,272)	-	473,641 (545,031)
Oil	2010-2035	n/a	-	4,081* (5,818)	45,088* (64,273)	47,665* (64,359)	47,665* (64,359)	47,665* (64,359)	44,417* (60,083)	8,156* (11,626)	-	37,042* (50,310)
Propane	2010-2035	n/a	-	3,872* (5,519)	8,814* (11,726)	8,814* (11,726)	8,814* (11,726)	8,814* (11,726)	8,679* (11,533)	4,200* (5,987)	-	7,685* (10,309)
Kerosene	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Wood	2011-2035	n/a	-	-	73* (104)	73* (104)	73* (104)	73* (104)	73* (104)	49* (69)	-	68* (97)
Diesel	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Total	2009-2035	n/a	106,877* (163,941)	1,838,533 (1,945,151)	6,065,875 (5,845,148)	9,810,754 (8,569,394)	9,519,217 (8,239,847)	6,236,168 (4,103,280)	1,770,467 (1,060,742)	94,798 (78,943)	-	3,302,707 (2,157,331)

Note:



Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-584

ARRA Period BPAC, Building Retrofits

SEP-Attributable Energy Savings by Fuel Type and Year, Row Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	0.1%* (0.2%)	2.4% (2.2%)	6.7% (3.4%)	10.6% (3.5%)	10.2% (3.2%)	49.4% (8.4%)	20.1% (8.5%)	0.5%* (0.6%)	-	100.0% (0.0%)
Natural Gas	n/a	-	0.2% (0.0%)	7.4% (0.9%)	14.0% (3.2%)	13.9% (3.2%)	47.9% (3.4%)	16.2% (9.9%)	0.3% (0.4%)	-	100.0% (0.0%)
Oil	n/a	-	0.4% (0.0%)	4.7% (0.5%)	4.9% (0.1%)	4.9% (0.1%)	34.6% (0.4%)	46.1% (0.4%)	4.2% (0.4%)	-	100.0% (0.0%)
Propane	n/a	-	1.9% (0.2%)	4.4% (0.1%)	4.4% (0.1%)	4.4% (0.1%)	30.9% (0.4%)	43.4% (0.6%)	10.5% (1.0%)	-	100.0% (0.0%)
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	4.3% (0.0%)	4.3% (0.0%)	4.3% (0.0%)	29.9% (0.0%)	43.0% (0.0%)	14.3% (0.0%)	-	100.0% (0.0%)
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	0.1%* (0.2%)	2.1% (2.0%)	6.8% (3.0%)	11.0% (3.7%)	10.7% (3.5%)	49.0% (7.2%)	19.9% (8.4%)	0.5% (0.6%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-585 **ARRA Period BPAC, Building Retrofits**
SEP-Attributable Energy Savings by Fuel Type and Year, Column Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	100.0% (0.0%)	98.0% (3.0%)	84.0% (7.1%)	81.9% (10.3%)	81.4% (10.8%)	85.6% (11.7%)	85.7% (11.9%)	78.1% (25.0%)	-	84.9% (10.7%)
Natural Gas	n/a	-	1.6%* (2.5%)	15.1% (7.1%)	17.5% (10.6%)	18.0% (11.1%)	13.5% (11.6%)	11.3% (8.9%)	8.9% (7.2%)	-	13.8% (10.5%)
Oil	n/a	-	0.2%* (0.4%)	0.7%* (1.3%)	0.5%* (0.8%)	0.5%* (0.8%)	0.8%* (1.1%)	2.5%* (3.5%)	8.6%* (11.9%)	-	1.1%* (1.6%)
Propane	n/a	-	0.2%* (0.4%)	0.1%* (0.2%)	0.1%* (0.1%)	0.1%* (0.1%)	0.1%* (0.2%)	0.5%* (0.7%)	4.4%* (6.2%)	-	0.2%* (0.3%)
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	0.1%* (0.1%)	-	-
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-586 **ARRA Period BPAC, Building Retrofits**
SEP-Attributable Energy Savings by Sector and Year, Total Estimates, in Site MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	10,227 (7,534)	26,622 (20,270)	26,622 (20,270)	26,622 (20,270)	182,107 (137,266)	148,768 (112,471)	22,874 (27,998)	-	443,843 (316,374)
Commercial	n/a	-	-	-	-	-	-	-	-	-	-
Industrial	n/a	-	394,491* (605,118)	391,673* (600,796)	390,179* (598,505)	383,379* (588,073)	2,667,605* (4,091,898)	1,914,470* (2,936,647)	-	-	6,141,797* (9,421,037)
Public Institutional	n/a	32,000* (49,086)	155,890 (84,737)	1,888,171* (2,473,896)	3,539,422 (4,051,328)	3,456,316 (3,944,399)	13,352,415 (12,201,590)	3,796,644 (2,628,427)	119,332 (117,232)	-	26,340,190 (24,903,714)
Private Institutional	n/a	-	14,360 (10,832)	148,439 (125,841)	148,379 (125,764)	148,379 (125,764)	1,007,826 (882,454)	1,115,389 (1,228,289)	70,102* (92,818)	-	2,652,874 (2,566,155)
Total	n/a	32,000* (49,086)	574,968 (580,976)	2,454,906 (2,465,927)	4,104,603 (4,015,810)	4,014,696 (3,910,223)	17,209,953 (12,342,393)	6,975,271 (3,931,819)	212,307 (169,696)	-	35,578,703 (25,486,225)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

Table K-587 **ARRA Period BPAC, Building Retrofits**
SEP-Attributable Energy Savings by Sector and Year, Total Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	20,791 (14,840)	64,726 (48,830)	64,726 (48,830)	64,726 (48,830)	441,892 (329,913)	316,016 (251,003)	28,200 (33,589)	-	1,001,076 (713,561)
Commercial	n/a	-	-	-	-	-	-	-	-	-	-
Industrial	n/a	-	1,317,546* (2,021,012)	1,308,135* (2,006,577)	1,303,146* (1,998,924)	1,280,432* (1,964,083)	8,909,435* (13,666,378)	6,394,066* (9,807,999)	-	-	20,512,760* (31,464,973)
Public Institutional	n/a	106,877* (163,941)	468,910 (246,720)	4,453,973* (5,786,669)	8,203,979 (8,614,456)	7,935,157 (8,277,735)	32,680,710 (27,213,266)	9,594,530 (5,989,368)	371,004 (371,676)	-	63,815,140 (53,964,079)
Private Institutional	n/a	-	31,287 (23,112)	239,042 (170,403)	238,903 (170,307)	238,903 (170,307)	1,621,139 (1,156,138)	1,400,060 (1,232,169)	74,786* (93,830)	-	3,844,119 (2,861,129)
Total	n/a	106,877* (163,941)	1,838,533 (1,945,151)	6,065,875 (5,845,148)	9,810,754 (8,569,394)	9,519,217 (8,239,847)	43,653,176 (28,722,958)	17,704,672 (10,607,415)	473,990 (394,714)	-	89,173,094 (58,247,940)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

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"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-588 **ARRA Period BPAC, Building Retrofits**
SEP-Attributable Energy Savings by Sector and Year, Average per Year Estimates, in Site MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	2010-2035	n/a	-	10,227 (7,534)	26,622 (20,270)	26,622 (20,270)	26,622 (20,270)	26,015 (19,609)	14,877 (11,247)	4,575 (5,600)	-	17,071 (12,168)
Commercial	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Industrial	2010-2027	n/a	-	394,491* (605,118)	391,673* (600,796)	390,179* (598,505)	383,379* (588,073)	381,086* (584,557)	273,496* (419,521)	-	-	341,211* (523,391)
Public Institutional	2009-2035	n/a	32,000* (49,086)	155,890 (84,737)	1,888,171* (2,473,896)	3,539,422 (4,051,328)	3,456,316 (3,944,399)	1,907,488 (1,743,084)	379,664 (262,843)	23,866 (23,446)	-	975,563 (922,360)
Private Institutional	2010-2035	n/a	-	14,360 (10,832)	148,439 (125,841)	148,379 (125,764)	148,379 (125,764)	143,975 (126,065)	111,539 (122,829)	14,020* (18,564)	-	102,034 (98,698)
Total	2009-2035	n/a	32,000* (49,086)	574,968 (580,976)	2,454,906 (2,465,927)	4,104,603 (4,015,810)	4,014,696 (3,910,223)	2,458,565 (1,763,199)	697,527 (393,182)	42,461 (33,939)	-	1,317,730 (943,934)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-589 **ARRA Period BPAC, Building Retrofits**
SEP-Attributable Energy Savings by Sector and Year, Average per Year Estimates, in Source MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	2010-2035	n/a	-	20,791 (14,840)	64,726 (48,830)	64,726 (48,830)	64,726 (48,830)	63,127 (47,130)	31,602 (25,100)	5,640 (6,718)	-	38,503 (27,445)
Commercial	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Industrial	2010-2027	n/a	-	1,317,546 [*] (2,021,012)	1,308,135 [*] (2,006,577)	1,303,146 [*] (1,998,924)	1,280,432 [*] (1,964,083)	1,272,776 [*] (1,952,340)	913,438 [*] (1,401,143)	-	-	1,139,598 [*] (1,748,054)
Public Institutional	2009-2035	n/a	106,877 [*] (163,941)	468,910 (246,720)	4,453,973 [*] (5,786,669)	8,203,979 (8,614,456)	7,935,157 (8,277,735)	4,668,673 (3,887,609)	959,453 (598,937)	74,201 (74,335)	-	2,363,524 (1,998,670)
Private Institutional	2010-2035	n/a	-	31,287 (23,112)	239,042 (170,403)	238,903 (170,307)	238,903 (170,307)	231,591 (165,163)	140,006 (123,217)	14,957 [*] (18,766)	-	147,851 (110,043)
Total	2009-2035	n/a	106,877 [*] (163,941)	1,838,533 (1,945,151)	6,065,875 (5,845,148)	9,810,754 (8,569,394)	9,519,217 (8,239,847)	6,236,168 (4,103,280)	1,770,467 (1,060,742)	94,798 (78,943)	-	3,302,707 (2,157,331)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

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"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-590

ARRA Period BPAC, Building Retrofits
SEP-Attributable Energy Savings by Sector and Year, Row Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	2.1% (0.1%)	6.5% (1.5%)	6.5% (1.5%)	6.5% (1.5%)	44.1% (9.5%)	31.6% (11.3%)	2.8% (2.7%)	-	100.0% (0.0%)
Commercial	n/a	-	-	-	-	-	-	-	-	-	-
Industrial	n/a	-	6.4% (0.0%)	6.4% (0.0%)	6.4% (0.0%)	6.2% (0.0%)	43.4% (0.0%)	31.2% (0.0%)	-	-	100.0% (0.0%)
Public Institutional	n/a	0.2%* (0.3%)	0.7% (0.6%)	7.0% (4.1%)	12.9% (3.0%)	12.4% (2.7%)	51.2% (9.9%)	15.0% (6.4%)	0.6%* (0.8%)	-	100.0% (0.0%)
Private Institutional	n/a	-	0.8% (0.3%)	6.2% (1.4%)	6.2% (1.4%)	6.2% (1.4%)	42.2% (8.0%)	36.4% (11.0%)	1.9% (1.6%)	-	100.0% (0.0%)
Total	n/a	0.1%* (0.2%)	2.1% (2.0%)	6.8% (3.0%)	11.0% (3.7%)	10.7% (3.5%)	49.0% (7.2%)	19.9% (8.4%)	0.5% (0.6%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

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"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-591

ARRA Period BPAC, Building Retrofits

SEP-Attributable Energy Savings by Sector and Year, Column Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	1.1%* (1.4%)	1.1% (1.3%)	0.7% (0.8%)	0.7% (0.8%)	1.0% (1.0%)	1.8% (1.6%)	5.9% (7.1%)	-	1.1% (1.0%)
Commercial	n/a	-	-	-	-	-	-	-	-	-	-
Industrial	n/a	-	71.7% (35.8%)	21.6%* (35.4%)	13.3%* (22.5%)	13.5%* (22.7%)	20.4%* (29.5%)	36.1% (39.8%)	-	-	23.0%* (32.4%)
Public Institutional	n/a	100.0% (0.0%)	25.5%* (33.0%)	73.4% (37.7%)	83.6% (23.9%)	83.4% (24.0%)	74.9% (30.1%)	54.2% (36.5%)	78.3% (26.9%)	-	71.6% (32.8%)
Private Institutional	n/a	-	1.7%* (2.2%)	3.9% (4.6%)	2.4% (2.7%)	2.5% (2.8%)	3.7% (3.5%)	7.9% (7.7%)	15.8% (19.7%)	-	4.3% (4.1%)
Total	n/a	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

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Table K-592 **ARRA Period BPAC, Building Retrofits**
SEP-Attributable Energy Savings by Fuel Type and Sector, Total Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity, Units=MWh	69,043 (49,211)	-	1,799,984* (2,761,035)	4,634,424 (3,630,178)	138,642 (158,626)	6,642,093 (4,210,970)
Natural Gas, Units=KTherms	1,059* (1,509)	-	-	99,657* (133,966)	16,902 (19,816)	117,619 (135,347)
Oil, Units=KTherms	n/a	-	-	5,594* (7,348)	3,941* (5,618)	9,536* (12,951)
Propane, Units=KTherms	1,024* (1,459)	-	-	-	955 (1,196)	1,978* (2,654)
Kerosene, Units=KTherms	n/a	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	1,703* (2,427)	-	1,703* (2,427)
Diesel, Units=Site MMBtu	n/a	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	-	-	-	-	-
Other, Units=Site MMBtu	n/a	-	-	-	-	-
Total,	443,843	-	6,141,797*	26,340,190	2,652,874	35,578,703

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Units=Site MMBtu	(316,374)		(9,421,037)	(24,903,714)	(2,566,155)	(25,486,225)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-593 **ARRA Period BPAC, Building Retrofits**
SEP-Attributable Energy Savings by Fuel Type and Sector, Total Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	786,816 (560,807)	-	20,512,760* (31,464,973)	52,814,270 (41,369,802)	1,579,974 (1,807,710)	75,693,820 (47,988,546)
Natural Gas	110,859* (158,031)	-	-	10,434,135* (14,026,195)	1,769,669 (2,074,706)	12,314,663 (14,170,814)
Oil	n/a	-	-	565,032* (742,125)	398,072* (567,453)	963,104* (1,308,064)
Propane	103,401* (147,398)	-	-	-	96,405 (120,845)	199,805* (268,024)
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	1,703* (2,427)	-	1,703* (2,427)
Diesel	n/a	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	1,001,076 (713,561)	-	20,512,760* (31,464,973)	63,815,140 (53,964,079)	3,844,119 (2,861,129)	89,173,094 (58,247,940)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

""*"" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-594 **ARRA Period BPAC, Building Retrofits**
SEP-Attributable Energy Savings by Fuel Type and Sector, Average per Year Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity, Units=MWh	2,655 (1,893)	-	99,999* (153,391)	171,645 (134,451)	5,332 (6,101)	246,003 (155,962)
Natural Gas, Units=KTherms	41* (58)	-	-	4,530* (6,089)	650 (762)	4,524 (5,206)
Oil, Units=KTherms	n/a	-	-	280* (367)	152* (216)	367* (498)
Propane, Units=KTherms	41* (58)	-	-	-	38 (48)	76* (102)
Kerosene, Units=KTherms	n/a	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	68* (97)	-	68* (97)
Diesel, Units=Site MMBtu	n/a	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	-	-	-	-	-
Other, Units=Site MMBtu	n/a	-	-	-	-	-
Total,	17,071	-	341,211*	975,563	102,034	1,317,730

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Units=Site MMBtu	(12,168)		(523,391)	(922,360)	(98,698)	(943,934)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-595 **ARRA Period BPAC, Building Retrofits**
SEP-Attributable Energy Savings by Fuel Type and Sector, Average per Year Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	30,262 (21,570)	-	1,139,598* (1,748,054)	1,956,084 (1,532,215)	60,768 (69,527)	2,803,475 (1,777,354)
Natural Gas	4,264* (6,078)	-	-	474,279* (637,554)	68,064 (79,796)	473,641 (545,031)
Oil	n/a	-	-	28,252* (37,106)	15,310* (21,825)	37,042* (50,310)
Propane	4,136* (5,896)	-	-	-	3,856 (4,834)	7,685* (10,309)
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	68* (97)	-	68* (97)
Diesel	n/a	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	38,503 (27,445)	-	1,139,598* (1,748,054)	2,363,524 (1,998,670)	147,851 (110,043)	3,302,707 (2,157,331)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

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Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period. Estimates that round to zero during the impact period will not be displayed due to suppression.



Table K-596 **ARRA Period BPAC, Building Retrofits**
SEP-Attributable Energy Savings by Fuel Type and Sector, Row Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	1.0% (1.0%)	-	27.1%* (35.7%)	69.8% (35.6%)	2.1%* (2.7%)	100.0% (0.0%)
Natural Gas	0.9%* (1.7%)	-	-	84.7% (22.3%)	14.4%* (21.9%)	100.0% (0.0%)
Oil	n/a	-	-	58.7% (4.2%)	41.3% (4.2%)	100.0% (0.0%)
Propane	51.8% (5.1%)	-	-	-	48.2% (5.1%)	100.0% (0.0%)
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	100.0% (0.0%)	-	100.0% (0.0%)
Diesel	n/a	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	1.1% (1.0%)	-	23.0%* (32.4%)	71.6% (32.8%)	4.3% (4.1%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-597 **ARRA Period BPAC, Building Retrofits**
SEP-Attributable Energy Savings by Fuel Type and Sector, Column Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	78.6% (0.8%)	-	100.0% (0.0%)	82.8% (10.2%)	41.1% (45.6%)	84.9% (10.7%)
Natural Gas	11.1% (13.6%)	-	-	16.4% (10.7%)	46.0% (33.0%)	13.8% (10.5%)
Oil	n/a	-	-	0.9%* (1.4%)	10.4% (10.6%)	1.1%* (1.6%)
Propane	10.3% (12.8%)	-	-	-	2.5% (2.0%)	0.2%* (0.3%)
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	-	-	-
Diesel	n/a	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	100.0% (0.0%)	-	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-598

ARRA Period BPAC, Building Retrofits
SEP-Attributable Renewable Generation by Fuel Type and Year, Total Estimates, in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated, Units=MWh	n/a	-	-	-	-	-	-	-	-	-	-
Methane Produced, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-
Biodiesel Production, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol Production, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Other, Units=Site	n/a	-	-	-	-	-	-	-	-	-	-

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
MMBtu											
Total, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

KTherms = 1,000 Therms.

Table K-599

ARRA Period BPAC, Building Retrofits

SEP-Attributable Renewable Generation by Fuel Type and Year, Total Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	n/a	-	-	-	-	-	-	-	-	-	-
Methane Produced	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	-	-	-	-	-	-	-	-	-
Biodiesel Production	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol Production	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

Table K-600

ARRA Period BPAC, Building Retrofits
SEP-Attributable Renewable Generation by Fuel Type and Year, Average per Year Estimates, in Original Site Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated, Units=MWh	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Methane Produced, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Biodiesel Production, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol Production, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Other,	n/a	n/a	-	-	-	-	-	-	-	-	-	-

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Units=Site MMBtu												
Total, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

KTherms = 1,000 Therms.

Table K-601

ARRA Period BPAC, Building Retrofits
SEP-Attributable Renewable Generation by Fuel Type and Year, Average per Year Estimates, in Source MMBtu Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Methane Produced	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Biodiesel Production	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol Production	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	n/a	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

Table K-602 **ARRA Period BPAC, Building Retrofits**
SEP-Attributable Renewable Generation by Fuel Type and Year, Row Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	n/a	-	-	-	-	-	-	-	-	-	-
Methane Produced	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	-	-	-	-	-	-	-	-	-
Biodiesel Production	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol Production	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

Table K-603

ARRA Period BPAC, Building Retrofits

SEP-Attributable Renewable Generation by Fuel Type and Year, Column Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	n/a	-	-	-	-	-	-	-	-	-	-
Methane Produced	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	-	-	-	-	-	-	-	-	-
Biodiesel Production	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol Production	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

Table K-604 **ARRA Period BPAC, Building Retrofits**
SEP-Attributable Renewable Generation by Sector and Year, Total Estimates, in Site MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	-	-	-	-	-	-	-	-	-
Commercial	n/a	-	-	-	-	-	-	-	-	-	-
Industrial	n/a	-	-	-	-	-	-	-	-	-	-
Public Institutional	n/a	-	-	-	-	-	-	-	-	-	-
Private Institutional	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

Table K-605 **ARRA Period BPAC, Building Retrofits**
SEP-Attributable Renewable Generation by Sector and Year, Total Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	-	-	-	-	-	-	-	-	-
Commercial	n/a	-	-	-	-	-	-	-	-	-	-
Industrial	n/a	-	-	-	-	-	-	-	-	-	-
Public Institutional	n/a	-	-	-	-	-	-	-	-	-	-
Private Institutional	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

Table K-606 **ARRA Period BPAC, Building Retrofits**
SEP-Attributable Renewable Generation by Sector and Year, Average per Year Estimates, in Site MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Commercial	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Industrial	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Public Institutional	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Private Institutional	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	n/a	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

Table K-607 **ARRA Period BPAC, Building Retrofits**
SEP-Attributable Renewable Generation by Sector and Year, Average per Year Estimates, in Source MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Commercial	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Industrial	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Public Institutional	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Private Institutional	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	n/a	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

Table K-608 **ARRA Period BPAC, Building Retrofits**
SEP-Attributable Renewable Generation by Sector and Year, Row Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	-	-	-	-	-	-	-	-	-
Commercial	n/a	-	-	-	-	-	-	-	-	-	-
Industrial	n/a	-	-	-	-	-	-	-	-	-	-
Public Institutional	n/a	-	-	-	-	-	-	-	-	-	-
Private Institutional	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

Table K-609 **ARRA Period BPAC, Building Retrofits**
SEP-Attributable Renewable Generation by Sector and Year, Column Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	-	-	-	-	-	-	-	-	-
Commercial	n/a	-	-	-	-	-	-	-	-	-	-
Industrial	n/a	-	-	-	-	-	-	-	-	-	-
Public Institutional	n/a	-	-	-	-	-	-	-	-	-	-
Private Institutional	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	-	-	-	-	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

Table K-610 **ARRA Period BPAC, Building Retrofits**
SEP-Attributable Renewable Generation by Fuel Type and Sector, Total Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated, Units=MWh	n/a	-	-	-	-	-
Methane Produced, Units=KTherms	n/a	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	n/a	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	n/a	-	-	-	-	-
Biodiesel Production, Units=KTherms	n/a	-	-	-	-	-
Ethanol Production, Units=Site MMBtu	n/a	-	-	-	-	-
Other,	n/a	-	-	-	-	-

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Units=Site MMBtu						
Total, Units=Site MMBtu	n/a	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

KTherms = 1,000 Therms.

Table K-611 **ARRA Period BPAC, Building Retrofits**
SEP-Attributable Renewable Generation by Fuel Type and Sector, Total Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated	n/a	-	-	-	-	-
Methane Produced	n/a	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	-	-	-	-
Biodiesel Production	n/a	-	-	-	-	-
Ethanol Production	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	n/a	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

Table K-612 **ARRA Period BPAC, Building Retrofits**
SEP-Attributable Renewable Generation by Fuel Type and Sector, Average per Year Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated, Units=MWh	n/a	-	-	-	-	-
Methane Produced, Units=KTherms	n/a	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	n/a	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	n/a	-	-	-	-	-
Biodiesel Production, Units=KTherms	n/a	-	-	-	-	-
Ethanol Production, Units=Site MMBtu	n/a	-	-	-	-	-
Other,	n/a	-	-	-	-	-

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Units=Site MMBtu						
Total, Units=Site MMBtu	n/a	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

KTherms = 1,000 Therms.

Table K-613 **ARRA Period BPAC, Building Retrofits**
SEP-Attributable Renewable Generation by Fuel Type and Sector, Average per Year Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated	n/a	-	-	-	-	-
Methane Produced	n/a	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	-	-	-	-
Biodiesel Production	n/a	-	-	-	-	-
Ethanol Production	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	n/a	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

Table K-614 **ARRA Period BPAC, Building Retrofits**
SEP-Attributable Renewable Generation by Fuel Type and Sector, Row Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated	n/a	-	-	-	-	-
Methane Produced	n/a	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	-	-	-	-
Biodiesel Production	n/a	-	-	-	-	-
Ethanol Production	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	n/a	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

Table K-615 **ARRA Period BPAC, Building Retrofits**
SEP-Attributable Renewable Generation by Fuel Type and Sector, Column Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated	n/a	-	-	-	-	-
Methane Produced	n/a	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	-	-	-	-
Biodiesel Production	n/a	-	-	-	-	-
Ethanol Production	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	n/a	-	-	-	-	-

Note:

There is no estimated SEP-attributable renewable energy generation for this BPAC from this evaluation.

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"n/a" indicates not applicable.

Table K-616

ARRA Period BPAC, Building Retrofits

SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Year, Total Estimates, in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	n/a	9,378* (14,386)	158,091 (170,967)	447,055 (420,639)	704,960 (567,147)	679,729 (540,055)	3,278,409 (2,125,312)	1,332,007 (878,388)	32,463 (31,876)	-	6,642,093 (4,210,970)
Natural Gas, Units=KTherms	n/a	-	277 (311)	8,760 (10,850)	16,432* (21,977)	16,394* (21,919)	56,316 (67,134)	19,038 (15,609)	401 (347)	-	117,619 (135,347)
Oil, Units=KTherms	n/a	-	40* (58)	446* (636)	472* (637)	472* (637)	3,304* (4,461)	4,398* (5,949)	404* (576)	-	9,536* (12,951)
Propane, Units=KTherms	n/a	-	38* (55)	87* (116)	87* (116)	87* (116)	611* (813)	859* (1,142)	208* (296)	-	1,978* (2,654)
Kerosene, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	73* (104)	73* (104)	73* (104)	508* (725)	733* (1,045)	243* (347)	-	1,703* (2,427)
Diesel, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Other, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Total, Units=Site MMBtu	n/a	32,000* (49,086)	574,968 (580,976)	2,454,906 (2,465,927)	4,104,603 (4,015,810)	4,014,696 (3,910,223)	17,209,953 (12,342,393)	6,975,271 (3,931,819)	212,307 (169,696)	-	35,578,703 (25,486,225)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-617 **ARRA Period BPAC, Building Retrofits**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type
and Year, Total Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	106,877* (163,941)	1,801,613 (1,948,356)	5,094,677 (4,793,640)	8,033,786 (6,463,253)	7,746,241 (6,154,509)	37,361,015 (24,220,220)	15,179,657 (10,010,174)	369,955 (363,266)	-	75,693,820 (47,988,546)
Natural Gas	n/a	-	28,967 (32,607)	917,224 (1,136,042)	1,720,415* (2,301,034)	1,716,424* (2,294,928)	5,896,293 (7,028,943)	1,993,327 (1,634,300)	42,012 (36,359)	-	12,314,663 (14,170,814)
Oil	n/a	-	4,081* (5,818)	45,088* (64,273)	47,665* (64,359)	47,665* (64,359)	333,658* (450,513)	444,167* (600,827)	40,779* (58,131)	-	963,104* (1,308,064)
Propane	n/a	-	3,872* (5,519)	8,814* (11,726)	8,814* (11,726)	8,814* (11,726)	61,701* (82,085)	86,788* (115,332)	21,000* (29,936)	-	199,805* (268,024)
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	73* (104)	73* (104)	73* (104)	508* (725)	733* (1,045)	243* (347)	-	1,703* (2,427)
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	106,877* (163,941)	1,838,533 (1,945,151)	6,065,875 (5,845,148)	9,810,754 (8,569,394)	9,519,217 (8,239,847)	43,653,176 (28,722,958)	17,704,672 (10,607,415)	473,990 (394,714)	-	89,173,094 (58,247,940)

Note:



Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-618 **ARRA Period BPAC, Building Retrofits**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type
and Year, Average per Year Estimates, in Original Site Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	2009-2035	n/a	9,378* (14,386)	158,091 (170,967)	447,055 (420,639)	704,960 (567,147)	679,729 (540,055)	468,344 (303,616)	133,201 (87,839)	6,493 (6,375)	-	246,003 (155,962)
Natural Gas, Units=KTherms	2010-2035	n/a	-	277 (311)	8,760 (10,850)	16,432* (21,977)	16,394* (21,919)	8,045 (9,591)	1,904 (1,561)	80 (69)	-	4,524 (5,206)
Oil, Units=KTherms	2010-2035	n/a	-	40* (58)	446* (636)	472* (637)	472* (637)	472* (637)	440* (595)	81* (115)	-	367* (498)
Propane, Units=KTherms	2010-2035	n/a	-	38* (55)	87* (116)	87* (116)	87* (116)	87* (116)	86* (114)	42* (59)	-	76* (102)
Kerosene, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	2011-2035	n/a	-	-	73* (104)	73* (104)	73* (104)	73* (104)	73* (104)	49* (69)	-	68* (97)
Diesel, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Other, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Total, Units=Site MMBtu	2009-2035	n/a	32,000* (49,086)	574,968 (580,976)	2,454,906 (2,465,927)	4,104,603 (4,015,810)	4,014,696 (3,910,223)	2,458,565 (1,763,199)	697,527 (393,182)	42,461 (33,939)	-	1,317,730 (943,934)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-619 **ARRA Period BPAC, Building Retrofits**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type
and Year, Average per Year Estimates, in Source MMBtu Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	2009-2035	n/a	106,877* (163,941)	1,801,613 (1,948,356)	5,094,677 (4,793,640)	8,033,786 (6,463,253)	7,746,241 (6,154,509)	5,337,288 (3,460,031)	1,517,966 (1,001,017)	73,991 (72,653)	-	2,803,475 (1,777,354)
Natural Gas	2010-2035	n/a	-	28,967 (32,607)	917,224 (1,136,042)	1,720,415* (2,301,034)	1,716,424* (2,294,928)	842,328 (1,004,135)	199,333 (163,430)	8,402 (7,272)	-	473,641 (545,031)
Oil	2010-2035	n/a	-	4,081* (5,818)	45,088* (64,273)	47,665* (64,359)	47,665* (64,359)	47,665* (64,359)	44,417* (60,083)	8,156* (11,626)	-	37,042* (50,310)
Propane	2010-2035	n/a	-	3,872* (5,519)	8,814* (11,726)	8,814* (11,726)	8,814* (11,726)	8,814* (11,726)	8,679* (11,533)	4,200* (5,987)	-	7,685* (10,309)
Kerosene	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Wood	2011-2035	n/a	-	-	73* (104)	73* (104)	73* (104)	73* (104)	73* (104)	49* (69)	-	68* (97)
Diesel	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Total	2009-2035	n/a	106,877* (163,941)	1,838,533 (1,945,151)	6,065,875 (5,845,148)	9,810,754 (8,569,394)	9,519,217 (8,239,847)	6,236,168 (4,103,280)	1,770,467 (1,060,742)	94,798 (78,943)	-	3,302,707 (2,157,331)

Note:



Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-620 **ARRA Period BPAC, Building Retrofits**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type
and Year, Row Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	0.1%* (0.2%)	2.4% (2.2%)	6.7% (3.4%)	10.6% (3.5%)	10.2% (3.2%)	49.4% (8.4%)	20.1% (8.5%)	0.5%* (0.6%)	-	100.0% (0.0%)
Natural Gas	n/a	-	0.2% (0.0%)	7.4% (0.9%)	14.0% (3.2%)	13.9% (3.2%)	47.9% (3.4%)	16.2% (9.9%)	0.3% (0.4%)	-	100.0% (0.0%)
Oil	n/a	-	0.4% (0.0%)	4.7% (0.5%)	4.9% (0.1%)	4.9% (0.1%)	34.6% (0.4%)	46.1% (0.4%)	4.2% (0.4%)	-	100.0% (0.0%)
Propane	n/a	-	1.9% (0.2%)	4.4% (0.1%)	4.4% (0.1%)	4.4% (0.1%)	30.9% (0.4%)	43.4% (0.6%)	10.5% (1.0%)	-	100.0% (0.0%)
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	4.3% (0.0%)	4.3% (0.0%)	4.3% (0.0%)	29.9% (0.0%)	43.0% (0.0%)	14.3% (0.0%)	-	100.0% (0.0%)
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	0.1%* (0.2%)	2.1% (2.0%)	6.8% (3.0%)	11.0% (3.7%)	10.7% (3.5%)	49.0% (7.2%)	19.9% (8.4%)	0.5% (0.6%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-621 **ARRA Period BPAC, Building Retrofits**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Year, Column Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	100.0% (0.0%)	98.0% (3.0%)	84.0% (7.1%)	81.9% (10.3%)	81.4% (10.8%)	85.6% (11.7%)	85.7% (11.9%)	78.1% (25.0%)	-	84.9% (10.7%)
Natural Gas	n/a	-	1.6%* (2.5%)	15.1% (7.1%)	17.5% (10.6%)	18.0% (11.1%)	13.5% (11.6%)	11.3% (8.9%)	8.9% (7.2%)	-	13.8% (10.5%)
Oil	n/a	-	0.2%* (0.4%)	0.7%* (1.3%)	0.5%* (0.8%)	0.5%* (0.8%)	0.8%* (1.1%)	2.5%* (3.5%)	8.6%* (11.9%)	-	1.1%* (1.6%)
Propane	n/a	-	0.2%* (0.4%)	0.1%* (0.2%)	0.1%* (0.1%)	0.1%* (0.1%)	0.1%* (0.2%)	0.5%* (0.7%)	4.4%* (6.2%)	-	0.2%* (0.3%)
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	0.1%* (0.1%)	-	-
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-622 **ARRA Period BPAC, Building Retrofits**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and
Year, Total Estimates, in Site MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	10,227 (7,534)	26,622 (20,270)	26,622 (20,270)	26,622 (20,270)	182,107 (137,266)	148,768 (112,471)	22,874 (27,998)	-	443,843 (316,374)
Commercial	n/a	-	-	-	-	-	-	-	-	-	-
Industrial	n/a	-	394,491* (605,118)	391,673* (600,796)	390,179* (598,505)	383,379* (588,073)	2,667,605* (4,091,898)	1,914,470* (2,936,647)	-	-	6,141,797* (9,421,037)
Public Institutional	n/a	32,000* (49,086)	155,890 (84,737)	1,888,171* (2,473,896)	3,539,422 (4,051,328)	3,456,316 (3,944,399)	13,352,415 (12,201,590)	3,796,644 (2,628,427)	119,332 (117,232)	-	26,340,190 (24,903,714)
Private Institutional	n/a	-	14,360 (10,832)	148,439 (125,841)	148,379 (125,764)	148,379 (125,764)	1,007,826 (882,454)	1,115,389 (1,228,289)	70,102* (92,818)	-	2,652,874 (2,566,155)
Total	n/a	32,000* (49,086)	574,968 (580,976)	2,454,906 (2,465,927)	4,104,603 (4,015,810)	4,014,696 (3,910,223)	17,209,953 (12,342,393)	6,975,271 (3,931,819)	212,307 (169,696)	-	35,578,703 (25,486,225)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

Table K-623 **ARRA Period BPAC, Building Retrofits**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and
Year, Total Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	20,791 (14,840)	64,726 (48,830)	64,726 (48,830)	64,726 (48,830)	441,892 (329,913)	316,016 (251,003)	28,200 (33,589)	-	1,001,076 (713,561)
Commercial	n/a	-	-	-	-	-	-	-	-	-	-
Industrial	n/a	-	1,317,546* (2,021,012)	1,308,135* (2,006,577)	1,303,146* (1,998,924)	1,280,432* (1,964,083)	8,909,435* (13,666,378)	6,394,066* (9,807,999)	-	-	20,512,760* (31,464,973)
Public Institutional	n/a	106,877* (163,941)	468,910 (246,720)	4,453,973* (5,786,669)	8,203,979 (8,614,456)	7,935,157 (8,277,735)	32,680,710 (27,213,266)	9,594,530 (5,989,368)	371,004 (371,676)	-	63,815,140 (53,964,079)
Private Institutional	n/a	-	31,287 (23,112)	239,042 (170,403)	238,903 (170,307)	238,903 (170,307)	1,621,139 (1,156,138)	1,400,060 (1,232,169)	74,786* (93,830)	-	3,844,119 (2,861,129)
Total	n/a	106,877* (163,941)	1,838,533 (1,945,151)	6,065,875 (5,845,148)	9,810,754 (8,569,394)	9,519,217 (8,239,847)	43,653,176 (28,722,958)	17,704,672 (10,607,415)	473,990 (394,714)	-	89,173,094 (58,247,940)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-624 **ARRA Period BPAC, Building Retrofits**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and
Year, Average per Year Estimates, in Site MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	2010-2035	n/a	-	10,227 (7,534)	26,622 (20,270)	26,622 (20,270)	26,622 (20,270)	26,015 (19,609)	14,877 (11,247)	4,575 (5,600)	-	17,071 (12,168)
Commercial	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Industrial	2010-2027	n/a	-	394,491* (605,118)	391,673* (600,796)	390,179* (598,505)	383,379* (588,073)	381,086* (584,557)	273,496* (419,521)	-	-	341,211* (523,391)
Public Institutional	2009-2035	n/a	32,000* (49,086)	155,890 (84,737)	1,888,171* (2,473,896)	3,539,422 (4,051,328)	3,456,316 (3,944,399)	1,907,488 (1,743,084)	379,664 (262,843)	23,866 (23,446)	-	975,563 (922,360)
Private Institutional	2010-2035	n/a	-	14,360 (10,832)	148,439 (125,841)	148,379 (125,764)	148,379 (125,764)	143,975 (126,065)	111,539 (122,829)	14,020* (18,564)	-	102,034 (98,698)
Total	2009-2035	n/a	32,000* (49,086)	574,968 (580,976)	2,454,906 (2,465,927)	4,104,603 (4,015,810)	4,014,696 (3,910,223)	2,458,565 (1,763,199)	697,527 (393,182)	42,461 (33,939)	-	1,317,730 (943,934)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-625 ARRA Period BPAC, Building Retrofits
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and Year, Average per Year Estimates, in Source MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	2010-2035	n/a	-	20,791 (14,840)	64,726 (48,830)	64,726 (48,830)	64,726 (48,830)	63,127 (47,130)	31,602 (25,100)	5,640 (6,718)	-	38,503 (27,445)
Commercial	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Industrial	2010-2027	n/a	-	1,317,546* (2,021,012)	1,308,135* (2,006,577)	1,303,146* (1,998,924)	1,280,432* (1,964,083)	1,272,776* (1,952,340)	913,438* (1,401,143)	-	-	1,139,598* (1,748,054)
Public Institutional	2009-2035	n/a	106,877* (163,941)	468,910 (246,720)	4,453,973* (5,786,669)	8,203,979 (8,614,456)	7,935,157 (8,277,735)	4,668,673 (3,887,609)	959,453 (598,937)	74,201 (74,335)	-	2,363,524 (1,998,670)
Private Institutional	2010-2035	n/a	-	31,287 (23,112)	239,042 (170,403)	238,903 (170,307)	238,903 (170,307)	231,591 (165,163)	140,006 (123,217)	14,957* (18,766)	-	147,851 (110,043)
Total	2009-2035	n/a	106,877* (163,941)	1,838,533 (1,945,151)	6,065,875 (5,845,148)	9,810,754 (8,569,394)	9,519,217 (8,239,847)	6,236,168 (4,103,280)	1,770,467 (1,060,742)	94,798 (78,943)	-	3,302,707 (2,157,331)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-626 **ARRA Period BPAC, Building Retrofits**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and
Year, Row Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	2.1% (0.1%)	6.5% (1.5%)	6.5% (1.5%)	6.5% (1.5%)	44.1% (9.5%)	31.6% (11.3%)	2.8% (2.7%)	-	100.0% (0.0%)
Commercial	n/a	-	-	-	-	-	-	-	-	-	-
Industrial	n/a	-	6.4% (0.0%)	6.4% (0.0%)	6.4% (0.0%)	6.2% (0.0%)	43.4% (0.0%)	31.2% (0.0%)	-	-	100.0% (0.0%)
Public Institutional	n/a	0.2%* (0.3%)	0.7% (0.6%)	7.0% (4.1%)	12.9% (3.0%)	12.4% (2.7%)	51.2% (9.9%)	15.0% (6.4%)	0.6%* (0.8%)	-	100.0% (0.0%)
Private Institutional	n/a	-	0.8% (0.3%)	6.2% (1.4%)	6.2% (1.4%)	6.2% (1.4%)	42.2% (8.0%)	36.4% (11.0%)	1.9% (1.6%)	-	100.0% (0.0%)
Total	n/a	0.1%* (0.2%)	2.1% (2.0%)	6.8% (3.0%)	11.0% (3.7%)	10.7% (3.5%)	49.0% (7.2%)	19.9% (8.4%)	0.5% (0.6%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-627 **ARRA Period BPAC, Building Retrofits**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and
Year, Column Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	1.1%* (1.4%)	1.1% (1.3%)	0.7% (0.8%)	0.7% (0.8%)	1.0% (1.0%)	1.8% (1.6%)	5.9% (7.1%)	-	1.1% (1.0%)
Commercial	n/a	-	-	-	-	-	-	-	-	-	-
Industrial	n/a	-	71.7% (35.8%)*	21.6%* (35.4%)	13.3%* (22.5%)	13.5%* (22.7%)	20.4%* (29.5%)	36.1% (39.8%)	-	-	23.0%* (32.4%)
Public Institutional	n/a	100.0% (0.0%)	25.5%* (33.0%)	73.4% (37.7%)	83.6% (23.9%)	83.4% (24.0%)	74.9% (30.1%)	54.2% (36.5%)	78.3% (26.9%)	-	71.6% (32.8%)
Private Institutional	n/a	-	1.7%* (2.2%)	3.9% (4.6%)	2.4% (2.7%)	2.5% (2.8%)	3.7% (3.5%)	7.9% (7.7%)	15.8% (19.7%)	-	4.3% (4.1%)
Total	n/a	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-628

ARRA Period BPAC, Building Retrofits

SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Total Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity, Units=MWh	69,043 (49,211)	-	1,799,984* (2,761,035)	4,634,424 (3,630,178)	138,642 (158,626)	6,642,093 (4,210,970)
Natural Gas, Units=KTherms	1,059* (1,509)	-	-	99,657* (133,966)	16,902 (19,816)	117,619 (135,347)
Oil, Units=KTherms	n/a	-	-	5,594* (7,348)	3,941* (5,618)	9,536* (12,951)
Propane, Units=KTherms	1,024* (1,459)	-	-	-	955 (1,196)	1,978* (2,654)
Kerosene, Units=KTherms	n/a	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	1,703* (2,427)	-	1,703* (2,427)
Diesel, Units=Site MMBtu	n/a	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	-	-	-	-	-
Other, Units=Site MMBtu	n/a	-	-	-	-	-

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Total, Units=Site MMBtu	443,843 (316,374)	-	6,141,797* (9,421,037)	26,340,190 (24,903,714)	2,652,874 (2,566,155)	35,578,703 (25,486,225)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-629 **ARRA Period BPAC, Building Retrofits**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Total Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	786,816 (560,807)	-	20,512,760* (31,464,973)	52,814,270 (41,369,802)	1,579,974 (1,807,710)	75,693,820 (47,988,546)
Natural Gas	110,859* (158,031)	-	-	10,434,135* (14,026,195)	1,769,669 (2,074,706)	12,314,663 (14,170,814)
Oil	n/a	-	-	565,032* (742,125)	398,072* (567,453)	963,104* (1,308,064)
Propane	103,401* (147,398)	-	-	-	96,405 (120,845)	199,805* (268,024)
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	1,703* (2,427)	-	1,703* (2,427)
Diesel	n/a	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	1,001,076 (713,561)	-	20,512,760* (31,464,973)	63,815,140 (53,964,079)	3,844,119 (2,861,129)	89,173,094 (58,247,940)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.



Table K-630

ARRA Period BPAC, Building Retrofits

SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Average per Year Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity, Units=MWh	2,655 (1,893)	-	99,999* (153,391)	171,645 (134,451)	5,332 (6,101)	246,003 (155,962)
Natural Gas, Units=KTherms	41* (58)	-	-	4,530* (6,089)	650 (762)	4,524 (5,206)
Oil, Units=KTherms	n/a	-	-	280* (367)	152* (216)	367* (498)
Propane, Units=KTherms	41* (58)	-	-	-	38 (48)	76* (102)
Kerosene, Units=KTherms	n/a	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	68* (97)	-	68* (97)
Diesel, Units=Site MMBtu	n/a	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	-	-	-	-	-
Other, Units=Site MMBtu	n/a	-	-	-	-	-

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Total, Units=Site MMBtu	17,071 (12,168)	-	341,211* (523,391)	975,563 (922,360)	102,034 (98,698)	1,317,730 (943,934)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-631 **ARRA Period BPAC, Building Retrofits**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Average per Year Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	30,262 (21,570)	-	1,139,598* (1,748,054)	1,956,084 (1,532,215)	60,768 (69,527)	2,803,475 (1,777,354)
Natural Gas	4,264* (6,078)	-	-	474,279* (637,554)	68,064 (79,796)	473,641 (545,031)
Oil	n/a	-	-	28,252* (37,106)	15,310* (21,825)	37,042* (50,310)
Propane	4,136* (5,896)	-	-	-	3,856 (4,834)	7,685* (10,309)
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	68* (97)	-	68* (97)
Diesel	n/a	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	38,503 (27,445)	-	1,139,598* (1,748,054)	2,363,524 (1,998,670)	147,851 (110,043)	3,302,707 (2,157,331)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.



Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-632 **ARRA Period BPAC, Building Retrofits**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Row Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	1.0% (1.0%)	-	27.1%* (35.7%)	69.8% (35.6%)	2.1%* (2.7%)	100.0% (0.0%)
Natural Gas	0.9%* (1.7%)	-	-	84.7% (22.3%)	14.4%* (21.9%)	100.0% (0.0%)
Oil	n/a	-	-	58.7% (4.2%)	41.3% (4.2%)	100.0% (0.0%)
Propane	51.8% (5.1%)	-	-	-	48.2% (5.1%)	100.0% (0.0%)
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	100.0% (0.0%)	-	100.0% (0.0%)
Diesel	n/a	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	1.1% (1.0%)	-	23.0%* (32.4%)	71.6% (32.8%)	4.3% (4.1%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.



Table K-633 **ARRA Period BPAC, Building Retrofits**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Column Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	78.6% (0.8%)	-	100.0% (0.0%)	82.8% (10.2%)	41.1% (45.6%)	84.9% (10.7%)
Natural Gas	11.1% (13.6%)	-	-	16.4% (10.7%)	46.0% (33.0%)	13.8% (10.5%)
Oil	n/a	-	-	0.9%* (1.4%)	10.4% (10.6%)	1.1%* (1.6%)
Propane	10.3% (12.8%)	-	-	-	2.5% (2.0%)	0.2%* (0.3%)
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	-	-	-
Diesel	n/a	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	100.0% (0.0%)	-	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.



Table K-634 **ARRA Period BPAC, Building Retrofits**
SEP-Attributable Bill Savings by Fuel Type and Year, Total Estimates, in Thousand 2009 Dollars

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	\$925*	\$12,831	\$43,031	\$78,243	\$75,377	\$367,480	\$126,877	\$4,206	-	\$708,970
Natural Gas	n/a	-	\$271	\$8,107	\$14,271*	\$14,348*	\$50,183	\$17,954	\$407	-	\$105,542
Oil	n/a	-	\$69*	\$758*	\$795*	\$789*	\$5,366*	\$7,646*	\$791*	-	\$16,215*
Propane	n/a	-	\$105*	\$203*	\$203*	\$202*	\$1,409*	\$2,231*	\$593*	-	\$4,946*
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	\$3*	\$5*	\$2*	-	\$11*
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	\$925*	\$13,277	\$52,100	\$93,512	\$90,717	\$424,441	\$154,713	\$5,999	-	\$835,684

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-635 **ARRA Period BPAC, Building Retrofits**
SEP-Attributable Bill Savings by Fuel Type and Year, Row Percent Estimates, in Thousand 2009 Dollars

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	0.1%*	1.8%	6.1%	11.0%	10.6%	51.8%	17.9%	0.6%*	-	100.0%
Natural Gas	n/a	-	0.3%	7.7%	13.5%	13.6%	47.5%	17.0%	0.4%	-	100.0%
Oil	n/a	-	0.4%	4.7%	4.9%	4.9%	33.1%	47.2%	4.9%	-	100.0%
Propane	n/a	-	2.1%	4.1%	4.1%	4.1%	28.5%	45.1%	12.0%	-	100.0%
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	3.7%	3.6%	3.7%	29.3%	45.1%	14.6%	-	100.0%
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	0.1%*	1.6%	6.2%	11.2%	10.9%	50.8%	18.5%	0.7%	-	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-636 **ARRA Period BPAC, Building Retrofits**
SEP-Attributable Bill Savings by Fuel Type and Year, Column Percent Estimates, in Thousand 2009 Dollars

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	100.0%	96.6%	82.6%	83.7%	83.1%	86.6%	82.0%	70.1%	-	84.8%
Natural Gas	n/a	-	2.0%*	15.6%	15.3%	15.8%	11.8%	11.6%	6.8%	-	12.6%
Oil	n/a	-	0.5%*	1.5%*	0.9%*	0.9%*	1.3%*	4.9%*	13.2%*	-	1.9%*
Propane	n/a	-	0.8%*	0.4%*	0.2%*	0.2%*	0.3%*	1.4%*	9.9%*	-	0.6%*
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	-	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-637

ARRA Period BPAC, Building Retrofits

SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Fuel Type and Year, SEP-Attributable Energy in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	n/a	\$98.65*	\$81.16	\$96.25	\$110.99	\$110.89	\$112.09	\$95.25	\$129.57	-	\$106.74
Natural Gas, Units=KTherms	n/a	-	\$979.99	\$925.41	\$868.49*	\$875.20*	\$891.10	\$943.05	\$1,014.09	-	\$897.32
Oil, Units=KTherms	n/a	-	\$1,711.11*	\$1,698.49*	\$1,685.20*	\$1,672.78*	\$1,624.17*	\$1,738.69*	\$1,960.07*	-	\$1,700.48*
Propane, Units=KTherms	n/a	-	\$2,739.89*	\$2,328.21*	\$2,324.21*	\$2,320.31*	\$2,306.00*	\$2,595.98*	\$2,851.36*	-	\$2,500.09*
Kerosene, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	\$5.56*	\$5.45*	\$5.68*	\$6.38*	\$6.82*	\$6.64*	-	\$6.50*
Diesel, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Other, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Total, Units=Site	n/a	\$28.91*	\$23.09	\$21.22	\$22.78	\$22.60	\$24.66	\$22.18	\$28.26	-	\$23.49

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
MMBtu											

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-638

ARRA Period BPAC, Building Retrofits

SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Fuel Type and Year, SEP-Attributable Energy in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	\$8.66*	\$7.12	\$8.45	\$9.74	\$9.73	\$9.84	\$8.36	\$11.37	-	\$9.37
Natural Gas	n/a	-	\$9.36	\$8.84	\$8.30*	\$8.36*	\$8.51	\$9.01	\$9.69	-	\$8.57
Oil	n/a	-	\$16.94*	\$16.82*	\$16.69*	\$16.56*	\$16.08*	\$17.21*	\$19.41*	-	\$16.84*
Propane	n/a	-	\$27.13*	\$23.05*	\$23.01*	\$22.97*	\$22.83*	\$25.70*	\$28.23*	-	\$24.75*
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	\$5.56*	\$5.45*	\$5.68*	\$6.38*	\$6.82*	\$6.64*	-	\$6.50*
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	\$8.66*	\$7.22	\$8.59	\$9.53	\$9.53	\$9.72	\$8.74	\$12.66	-	\$9.37

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-639 **ARRA Period BPAC, Building Retrofits**
SEP-Attributable Bill Savings by Sector and Year, Total Estimates, in Thousand 2009 Dollars

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	\$314	\$837	\$841	\$839	\$5,702	\$4,466	\$649	-	\$13,647
Commercial	n/a	-	-	-	-	-	-	-	-	-	-
Industrial	n/a	-	\$8,106*	\$7,990*	\$7,739*	\$7,553*	\$51,163*	\$36,319*	-	-	\$118,870*
Public Institutional	n/a	\$925*	\$4,500	\$40,793*	\$82,527	\$79,922	\$351,299	\$99,074	\$4,187	-	\$663,227
Private Institutional	n/a	-	\$357	\$2,480	\$2,405	\$2,402	\$16,278	\$14,855	\$1,164*	-	\$39,940
Total	n/a	\$925*	\$13,277	\$52,100	\$93,512	\$90,717	\$424,441	\$154,713	\$5,999	-	\$835,684

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

""*"" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-640 **ARRA Period BPAC, Building Retrofits**
SEP-Attributable Bill Savings by Sector and Year, Row Percent Estimates, in Thousand 2009 Dollars

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	2.3%	6.1%	6.2%	6.2%	41.8%	32.7%	4.8%	-	100.0%
Commercial	n/a	-	-	-	-	-	-	-	-	-	-
Industrial	n/a	-	6.8%	6.7%	6.5%	6.4%	43.0%	30.6%	-	-	100.0%
Public Institutional	n/a	0.1%*	0.7%	6.2%	12.4%	12.1%	53.0%	14.9%	0.6%*	-	100.0%
Private Institutional	n/a	-	0.9%	6.2%	6.0%	6.0%	40.8%	37.2%	2.9%	-	100.0%
Total	n/a	0.1%*	1.6%	6.2%	11.2%	10.9%	50.8%	18.5%	0.7%	-	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-641 **ARRA Period BPAC, Building Retrofits**
SEP-Attributable Bill Savings by Sector and Year, Column Percent Estimates, in Thousand 2009 Dollars

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	2.4%*	1.6%	0.9%	0.9%	1.3%	2.9%	10.8%	-	1.6%
Commercial	n/a	-	-	-	-	-	-	-	-	-	-
Industrial	n/a	-	61.1%	15.3%*	8.3%*	8.3%*	12.1%*	23.5%	-	-	14.2%*
Public Institutional	n/a	100.0%	33.9%*	78.3%	88.3%	88.1%	82.8%	64.0%	69.8%	-	79.4%
Private Institutional	n/a	-	2.7%*	4.8%	2.6%	2.6%	3.8%	9.6%	19.4%	-	4.8%
Total	n/a	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	-	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-642 **ARRA Period BPAC, Building Retrofits**
SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Sector and Year, SEP-Attributable Energy in Site MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	\$30.67	\$31.44	\$31.59	\$31.53	\$31.31	\$30.02	\$28.35	-	\$30.75
Commercial	n/a	-	-	-	-	-	-	-	-	-	-
Industrial	n/a	-	\$20.55*	\$20.40*	\$19.83*	\$19.70*	\$19.18*	\$18.97*	-	-	\$19.35*
Public Institutional	n/a	\$28.91*	\$28.87	\$21.60*	\$23.32	\$23.12	\$26.31	\$26.10	\$35.09	-	\$25.18
Private Institutional	n/a	-	\$24.89	\$16.70	\$16.21	\$16.19	\$16.15	\$13.32	\$16.60*	-	\$15.06
Total	n/a	\$28.91*	\$23.09	\$21.22	\$22.78	\$22.60	\$24.66	\$22.18	\$28.26	-	\$23.49

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-643

ARRA Period BPAC, Building Retrofits

SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Sector and Year, SEP-Attributable Energy in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	\$15.09	\$12.93	\$12.99	\$12.97	\$12.90	\$14.13	\$23.00	-	\$13.63
Commercial	n/a	-	-	-	-	-	-	-	-	-	-
Industrial	n/a	-	\$6.15*	\$6.11*	\$5.94*	\$5.90*	\$5.74*	\$5.68*	-	-	\$5.79*
Public Institutional	n/a	\$8.66*	\$9.60	\$9.16*	\$10.06	\$10.07	\$10.75	\$10.33	\$11.29	-	\$10.39
Private Institutional	n/a	-	\$11.42	\$10.37	\$10.07	\$10.06	\$10.04	\$10.61	\$15.56*	-	\$10.39
Total	n/a	\$8.66*	\$7.22	\$8.59	\$9.53	\$9.53	\$9.72	\$8.74	\$12.66	-	\$9.37

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-644 **ARRA Period BPAC, Building Retrofits**
SEP-Attributable Bill Savings by Fuel Type and Sector, Total Estimates, in Thousand 2009 Dollars

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	\$9,731	-	\$118,870*	\$564,066	\$16,304	\$708,970
Natural Gas	\$1,168*	-	-	\$89,708*	\$14,665	\$105,542
Oil	n/a	-	-	\$9,442*	\$6,773*	\$16,215*
Propane	\$2,747*	-	-	-	\$2,198	\$4,946*
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	\$11*	-	\$11*
Diesel	n/a	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	\$13,647	-	\$118,870*	\$663,227	\$39,940	\$835,684

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-645 **ARRA Period BPAC, Building Retrofits**
SEP-Attributable Bill Savings by Fuel Type and Sector, Row Percent Estimates, in Thousand 2009 Dollars

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	1.4%	-	16.8%*	79.6%	2.3%*	100.0%
Natural Gas	1.1%*	-	-	85.0%	13.9%*	100.0%
Oil	n/a	-	-	58.2%	41.8%	100.0%
Propane	55.5%	-	-	-	44.5%	100.0%
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	100.0%	-	100.0%
Diesel	n/a	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	1.6%	-	14.2%*	79.4%	4.8%	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-646 **ARRA Period BPAC, Building Retrofits**
SEP-Attributable Bill Savings by Fuel Type and Sector, Column Percent Estimates, in Thousand 2009 Dollars

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	71.3%	-	100.0%	85.0%	40.8%	84.8%
Natural Gas	8.6%	-	-	13.5%	36.7%	12.6%
Oil	n/a	-	-	1.4%*	17.0%	1.9%*
Propane	20.1%	-	-	-	5.5%	0.6%*
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	-	-	-
Diesel	n/a	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	100.0%	-	100.0%	100.0%	100.0%	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-647 **ARRA Period BPAC, Building Retrofits**
SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Fuel Type and Sector, SEP-Attributable Energy in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity, Units=MWh	\$140.94	-	\$66.04*	\$121.71	\$117.60	\$106.74
Natural Gas, Units=KTherms	\$1,103.51*	-	-	\$900.17*	\$867.62	\$897.32
Oil, Units=KTherms	n/a	-	-	\$1,687.80*	\$1,718.49*	\$1,700.48*
Propane, Units=KTherms	\$2,683.64*	-	-	-	\$2,303.23	\$2,500.09*
Kerosene, Units=KTherms	n/a	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	\$6.50*	-	\$6.50*
Diesel, Units=Site MMBtu	n/a	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	-	-	-	-	-
Other, Units=Site MMBtu	n/a	-	-	-	-	-
Total,	\$30.75	-	\$19.35*	\$25.18	\$15.06	\$23.49

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Units=Site MMBtu						

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-648 **ARRA Period BPAC, Building Retrofits**
SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Fuel Type and Sector, SEP-Attributable Energy in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	\$12.37	-	\$5.79*	\$10.68	\$10.32	\$9.37
Natural Gas	\$10.54*	-	-	\$8.60*	\$8.29	\$8.57
Oil	n/a	-	-	\$16.71*	\$17.01*	\$16.84*
Propane	\$26.57*	-	-	-	\$22.80	\$24.75*
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	\$6.50*	-	\$6.50*
Diesel	n/a	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	\$13.63	-	\$5.79*	\$10.39	\$10.39	\$9.37

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-649 **ARRA Period BPAC, Loans, Grants, and Incentives**
Overall Energy Savings by Fuel Type and Year, Total Estimates, in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	n/a	14,175* (21,023)	290,859 (303,628)	539,792 (586,520)	714,108 (615,704)	735,174 (630,473)	6,047,832 (5,050,079)	10,019,013 (8,284,612)	7,357,403 (6,525,411)	2,166,317 (1,880,420)	27,884,673 (22,890,215)
Natural Gas, Units=KTherms	n/a	4,288* (6,047)	6,730 (6,725)	9,470 (8,301)	13,539 (10,420)	14,153 (10,704)	113,799 (90,241)	193,045 (177,586)	133,308 (153,273)	36,850 (44,051)	525,181 (487,595)
Oil, Units=KTherms	n/a	5* (7)	836* (1,252)	3,832 (3,216)	4,319 (3,743)	4,684 (3,943)	34,278 (29,695)	48,275 (46,886)	20,439 (24,156)	5,353* (8,168)	122,020 (118,194)
Propane, Units=KTherms	n/a	49* (77)	196 (196)	553 (575)	661 (681)	669 (692)	4,902 (5,328)	7,442 (8,867)	3,473* (4,699)	1,112* (1,668)	19,057 (22,510)
Kerosene, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Diesel, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Other, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Total, Units=Site MMBtu	n/a	482,583* (677,722)	1,768,682 (1,716,971)	3,227,388 (3,132,276)	4,288,411 (3,427,878)	4,459,072 (3,508,860)	35,933,911 (28,326,666)	59,062,607 (48,599,329)	40,826,452 (38,239,928)	11,723,151 (10,874,392)	161,772,258 (133,360,693)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-650 **ARRA Period BPAC, Loans, Grants, and Incentives**
Overall Energy Savings by Fuel Type and Year, Total Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	161,539* (239,582)	3,314,656 (3,460,163)	6,151,508 (6,684,026)	8,138,027 (7,016,614)	8,378,106 (7,184,924)	68,921,579 (57,551,099)	114,177,476 (94,412,105)	83,845,551 (74,364,108)	24,687,521 (21,429,422)	317,775,964 (260,858,725)
Natural Gas	n/a	448,968* (633,161)	704,634 (704,091)	991,514 (869,118)	1,417,481 (1,090,997)	1,481,774 (1,120,724)	11,914,727 (9,448,275)	20,211,854 (18,593,270)	13,957,384 (16,047,679)	3,858,159 (4,612,093)	54,986,496 (51,051,182)
Oil	n/a	461* (703)	84,429* (126,478)	387,040 (324,825)	436,182 (378,006)	473,063 (398,242)	3,462,078 (2,999,233)	4,875,820 (4,735,509)	2,064,309 (2,439,708)	540,611* (824,924)	12,323,994 (11,937,582)
Propane	n/a	4,996* (7,787)	19,830 (19,761)	55,884 (58,098)	66,723 (68,781)	67,587 (69,932)	495,089 (538,159)	751,688 (895,563)	350,730* (474,594)	112,263* (168,481)	1,924,790 (2,273,473)
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	615,964* (873,723)	4,123,549 (4,166,633)	7,585,946 (7,849,186)	10,058,413 (8,373,025)	10,400,531 (8,572,478)	84,793,474 (68,908,526)	140,016,839 (115,323,503)	100,217,975 (90,809,451)	29,198,553 (25,939,240)	387,011,244 (317,672,664)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-651 **ARRA Period BPAC, Loans, Grants, and Incentives**
Overall Energy Savings by Fuel Type and Year, Average per Year Estimates, in Original Site Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	2009-2050	n/a	14,175* (21,023)	290,859 (303,628)	539,792 (586,520)	714,108 (615,704)	735,174 (630,473)	863,976 (721,440)	1,001,901 (828,461)	735,740 (652,541)	216,632 (188,042)	663,921 (545,005)
Natural Gas, Units=KTherms	2009-2050	n/a	4,288* (6,047)	6,730 (6,725)	9,470 (8,301)	13,539 (10,420)	14,153 (10,704)	16,257 (12,892)	19,305 (17,759)	13,331 (15,327)	3,685 (4,405)	12,504 (11,609)
Oil, Units=KTherms	2009-2050	n/a	5* (7)	836* (1,252)	3,832 (3,216)	4,319 (3,743)	4,684 (3,943)	4,897 (4,242)	4,828 (4,689)	2,044 (2,416)	535* (817)	2,905 (2,814)
Propane, Units=KTherms	2009-2050	n/a	49* (77)	196 (196)	553 (575)	661 (681)	669 (692)	700 (761)	744 (887)	347* (470)	111* (167)	454 (536)
Kerosene, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Diesel, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Other, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Total, Units=Site MMBtu	2009- 2050	n/a	482,583* (677,722)	1,768,682 (1,716,971)	3,227,388 (3,132,276)	4,288,411 (3,427,878)	4,459,072 (3,508,860)	5,133,416 (4,046,667)	5,906,261 (4,859,933)	4,082,645 (3,823,993)	1,172,315 (1,087,439)	3,851,720 (3,175,255)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-652 ARRA Period BPAC, Loans, Grants, and Incentives
Overall Energy Savings by Fuel Type and Year, Average per Year Estimates, in Source MMBtu Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	2009-2050	n/a	161,539* (239,582)	3,314,656 (3,460,163)	6,151,508 (6,684,026)	8,138,027 (7,016,614)	8,378,106 (7,184,924)	9,845,940 (8,221,586)	11,417,748 (9,441,211)	8,384,555 (7,436,411)	2,468,752 (2,142,942)	7,566,094 (6,210,922)
Natural Gas	2009-2050	n/a	448,968* (633,161)	704,634 (704,091)	991,514 (869,118)	1,417,481 (1,090,997)	1,481,774 (1,120,724)	1,702,104 (1,349,754)	2,021,185 (1,859,327)	1,395,738 (1,604,768)	385,816 (461,209)	1,309,202 (1,215,504)
Oil	2009-2050	n/a	461* (703)	84,429* (126,478)	387,040 (324,825)	436,182 (378,006)	473,063 (398,242)	494,583 (428,462)	487,582 (473,551)	206,431 (243,971)	54,061* (82,492)	293,428 (284,228)
Propane	2009-2050	n/a	4,996* (7,787)	19,830 (19,761)	55,884 (58,098)	66,723 (68,781)	67,587 (69,932)	70,727 (76,880)	75,169 (89,556)	35,073* (47,459)	11,226* (16,848)	45,828 (54,130)
Kerosene	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Total	2009-2050	n/a	615,964* (873,723)	4,123,549 (4,166,633)	7,585,946 (7,849,186)	10,058,413 (8,373,025)	10,400,531 (8,572,478)	12,113,353 (9,844,075)	14,001,684 (11,532,350)	10,021,797 (9,080,945)	2,919,855 (2,593,924)	9,214,553 (7,563,635)

Note:



Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-653 **ARRA Period BPAC, Loans, Grants, and Incentives**
Overall Energy Savings by Fuel Type and Year, Row Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	0.1% (0.1%)	1.0% (0.6%)	1.9% (1.1%)	2.6% (1.0%)	2.6% (1.0%)	21.7% (6.2%)	35.9% (0.9%)	26.4% (6.6%)	7.8% (3.0%)	100.0% (0.0%)
Natural Gas	n/a	0.8% (1.0%)	1.3% (1.0%)	1.8% (1.2%)	2.6% (1.1%)	2.7% (1.1%)	21.7% (6.4%)	36.8% (1.3%)	25.4% (8.3%)	7.0% (2.8%)	100.0% (0.0%)
Oil	n/a	-	0.7%* (1.1%)	3.1% (0.8%)	3.5% (0.8%)	3.8% (0.9%)	28.1% (5.0%)	39.6% (1.6%)	16.8% (5.4%)	4.4% (3.2%)	100.0% (0.0%)
Propane	n/a	0.3%* (0.5%)	1.0% (1.3%)	2.9% (0.7%)	3.5% (0.7%)	3.5% (0.7%)	25.7% (3.0%)	39.1% (0.7%)	18.2% (3.9%)	5.8% (2.4%)	100.0% (0.0%)
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	0.2% (0.2%)	1.1% (0.6%)	2.0% (1.0%)	2.6% (1.0%)	2.7% (0.9%)	21.9% (6.0%)	36.2% (0.8%)	25.9% (6.6%)	7.5% (2.7%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-654 **ARRA Period BPAC, Loans, Grants, and Incentives**
Overall Energy Savings by Fuel Type and Year, Column Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	26.2% (2.6%)	80.4% (4.6%)	81.1% (5.2%)	80.9% (4.7%)	80.6% (4.8%)	81.3% (4.3%)	81.5% (3.8%)	83.7% (4.9%)	84.6% (7.0%)	82.1% (3.9%)
Natural Gas	n/a	72.9% (1.0%)	17.1% (2.6%)	13.1% (3.3%)	14.1% (4.8%)	14.2% (4.8%)	14.1% (4.7%)	14.4% (4.9%)	13.9% (5.9%)	13.2% (7.2%)	14.2% (4.9%)
Oil	n/a	0.1% (0.0%)	2.0%* (3.6%)	5.1% (3.0%)	4.3% (2.2%)	4.5% (2.5%)	4.1% (2.3%)	3.5% (2.6%)	2.1% (2.2%)	1.9%* (2.6%)	3.2% (2.3%)
Propane	n/a	0.8%* (1.6%)	0.5% (0.6%)	0.7% (0.3%)	0.7% (0.3%)	0.6% (0.3%)	0.6% (0.3%)	0.5% (0.4%)	0.3% (0.4%)	0.4%* (0.5%)	0.5% (0.4%)
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-655 **ARRA Period BPAC, Loans, Grants, and Incentives**
Overall Renewable Generation by Fuel Type and Year, Total Estimates, in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated, Units=MWh	n/a	1,839 (2,113)	12,363 (10,222)	246,888 (244,880)	866,880 (964,333)	921,931 (1,019,727)	6,821,174 (7,304,680)	9,867,908 (10,557,563)	4,562,854 (4,537,625)	94,248 (80,314)	23,396,085 (24,684,553)
Methane Produced, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-
Biodiesel Production, Units=KTherms	n/a	-	-	-	426* (581)	447* (610)	3,821* (5,215)	8,305* (11,335)	2,205* (3,009)	-	15,203* (20,750)
Ethanol Production, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Other, Units=Site	n/a	-	-	-	-	-	-	-	-	-	-

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
MMBtu											
Total, Units=Site MMBtu	n/a	6,274 (7,210)	42,186 (34,880)	842,417 (835,566)	2,958,341 (3,290,244)	3,146,204 (3,479,242)	23,278,622 (24,922,716)	33,678,988 (36,019,792)	15,571,300 (15,481,856)	321,588 (274,044)	79,845,920 (84,219,610)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

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"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-656 ARRA Period BPAC, Loans, Grants, and Incentives
Overall Renewable Generation by Fuel Type and Year, Total Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	n/a	6,273 (7,210)	42,184 (34,878)	8,346,214 (9,889,600)	8,687,809* (10,933,713)	9,313,135 (11,568,390)	69,405,962 (82,898,292)	100,591,107 (119,866,756)	46,173,682 (51,504,204)	809,915 (795,087)	243,376,280 (280,454,571)
Methane Produced	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	-	-	-	-	-	-	-	-	-
Biodiesel Production	n/a	-	-	-	430* (587)	451* (616)	3,859* (5,267)	8,388* (11,448)	2,227* (3,039)	-	15,355* (20,957)
Ethanol Production	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	6,273 (7,210)	42,184 (34,878)	8,346,214 (9,889,600)	8,688,239* (10,933,514)	9,313,587 (11,568,176)	69,409,820 (82,896,389)	100,599,495 (119,862,606)	46,175,909 (51,503,031)	809,915 (795,087)	243,391,635 (280,446,932)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.



Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-657

ARRA Period BPAC, Loans, Grants, and Incentives

Overall Renewable Generation by Fuel Type and Year, Average per Year Estimates, in Original Site Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated, Units=MWh	2009-2050	n/a	1,839 (2,113)	12,363 (10,222)	246,888 (244,880)	866,880 (964,333)	921,931 (1,019,727)	974,453 (1,043,526)	986,791 (1,055,756)	456,285 (453,763)	9,425 (8,031)	557,050 (587,727)
Methane Produced, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Biodiesel Production, Units=KTherms	2012-2032	n/a	-	-	-	426* (581)	447* (610)	546* (745)	831* (1,133)	1,102* (1,505)	-	724* (988)
Ethanol Production, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Other,	n/a	n/a	-	-	-	-	-	-	-	-	-	-

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Units=Site MMBtu												
Total, Units=Site MMBtu	2009-2050	n/a	6,274 (7,210)	42,186 (34,880)	842,417 (835,566)	2,958,341 (3,290,244)	3,146,204 (3,479,242)	3,325,517 (3,560,388)	3,367,899 (3,601,979)	1,557,130 (1,548,186)	32,159 (27,404)	1,901,093 (2,005,229)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

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"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-658

ARRA Period BPAC, Loans, Grants, and Incentives

Overall Renewable Generation by Fuel Type and Year, Average per Year Estimates, in Source MMBtu Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	2009-2050	n/a	6,273 (7,210)	42,184 (34,878)	8,346,214 (9,889,600)	8,687,809 [*] (10,933,713)	9,313,135 (11,568,390)	9,915,137 (11,842,613)	10,059,111 (11,986,676)	4,617,368 (5,150,420)	80,991 (79,509)	5,794,673 (6,677,490)
Methane Produced	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH ₄ /50% CO ₂] Produced	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Biodiesel Production	2012-2032	n/a	-	-	-	430 [*] (587)	451 [*] (616)	551 [*] (752)	839 [*] (1,145)	1,113 [*] (1,520)	-	731 [*] (998)
Ethanol Production	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Total	2009-2050	n/a	6,273 (7,210)	42,184 (34,878)	8,346,214 (9,889,600)	8,688,239 [*] (10,933,514)	9,313,587 (11,568,176)	9,915,689 (11,842,341)	10,059,950 (11,986,261)	4,617,591 (5,150,303)	80,991 (79,509)	5,795,039 (6,677,308)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

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"*" indicates estimate exhibits low precision.



"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-659 ARRA Period BPAC, Loans, Grants, and Incentives
Overall Renewable Generation by Fuel Type and Year, Row Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	n/a	-	-	3.4%* (4.7%)	3.6% (0.5%)	3.8% (0.4%)	28.5% (1.7%)	41.3% (2.3%)	19.0% (1.5%)	0.3% (0.1%)	100.0% (0.0%)
Methane Produced	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	-	-	-	-	-	-	-	-	-
Biodiesel Production	n/a	-	-	-	2.8% (0.0%)	2.9% (0.0%)	25.1% (0.0%)	54.6% (0.0%)	14.5% (0.0%)	-	100.0% (0.0%)
Ethanol Production	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	-	3.4%* (4.7%)	3.6% (0.5%)	3.8% (0.4%)	28.5% (1.7%)	41.3% (2.3%)	19.0% (1.5%)	0.3% (0.1%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

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"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-660 ARRA Period BPAC, Loans, Grants, and Incentives
Overall Renewable Generation by Fuel Type and Year, Column Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	n/a	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)
Methane Produced	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	-	-	-	-	-	-	-	-	-
Biodiesel Production	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol Production	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-661 **ARRA Period BPAC, Loans, Grants, and Incentives**
SEP-Attributable Energy Savings by Fuel Type and Year, Total Estimates, in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	n/a	4,814* (7,025)	163,648 (146,402)	311,050 (293,520)	473,798 (329,210)	484,578 (337,362)	4,019,855 (2,798,985)	6,950,611 (5,541,940)	5,079,688 (4,860,434)	1,518,963 (1,399,854)	19,007,005 (15,043,314)
Natural Gas, Units=KTherms	n/a	2,715* (3,891)	3,930 (4,085)	6,256 (5,442)	10,116 (7,797)	10,593 (7,982)	86,459 (69,286)	155,546 (147,518)	109,040 (130,543)	29,942 (36,717)	414,597 (399,000)
Oil, Units=KTherms	n/a	3* (5)	617* (926)	3,134 (2,691)	3,427 (3,099)	3,785 (3,322)	27,915 (25,098)	40,043 (39,855)	18,054 (20,872)	4,548* (6,940)	101,527 (100,715)
Propane, Units=KTherms	n/a	25* (39)	113 (120)	367 (448)	461 (541)	460 (547)	3,423 (4,231)	5,293* (7,068)	2,630* (3,824)	919* (1,374)	13,690* (18,041)
Kerosene, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Diesel, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Other, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Total, Units=Site MMBtu	n/a	290,671* (413,782)	1,024,350 (911,654)	2,037,082 (1,789,757)	3,017,008 (2,104,664)	3,137,291 (2,152,860)	25,496,004 (17,947,729)	43,804,726 (35,544,323)	30,304,978 (30,215,488)	8,723,765 (8,575,219)	117,835,875 (96,050,980)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-662 ARRA Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Energy Savings by Fuel Type and Year, Total Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	54,857* (80,053)	1,864,949 (1,668,408)	3,544,756 (3,344,975)	5,399,443 (3,751,705)	5,522,286 (3,844,605)	45,810,589 (31,897,460)	79,209,716 (63,156,388)	57,888,533 (55,389,897)	17,310,222 (15,952,848)	216,605,350 (171,434,813)
Natural Gas	n/a	284,225* (407,367)	411,473 (427,728)	654,994 (569,762)	1,059,124 (816,380)	1,109,136 (835,745)	9,052,220 (7,254,290)	16,285,684 (15,445,179)	11,416,499 (13,667,887)	3,134,913 (3,844,310)	43,408,267 (41,775,270)
Oil	n/a	309* (471)	62,325* (93,531)	316,543 (271,797)	346,082 (313,029)	382,332 (335,520)	2,819,409 (2,534,856)	4,044,387 (4,025,338)	1,823,450 (2,108,043)	459,355* (700,935)	10,254,192 (10,172,243)
Propane	n/a	2,498* (3,894)	11,363 (12,151)	37,103 (45,295)	46,568 (54,599)	46,411 (55,288)	345,761 (427,369)	534,602* (713,865)	265,594* (386,223)	92,777* (138,753)	1,382,675* (1,822,156)
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	341,890* (488,130)	2,350,109 (2,092,442)	4,553,395 (4,150,091)	6,851,217 (4,742,479)	7,060,165 (4,855,688)	58,027,979 (40,427,343)	100,074,388 (80,279,127)	71,394,076 (69,514,551)	20,997,267 (19,842,248)	271,650,484 (217,502,369)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

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Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-663

ARRA Period BPAC, Loans, Grants, and Incentives

SEP-Attributable Energy Savings by Fuel Type and Year, Average per Year Estimates, in Original Site Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	2009-2050	n/a	4,814* (7,025)	163,648 (146,402)	311,050 (293,520)	473,798 (329,210)	484,578 (337,362)	574,265 (399,855)	695,061 (554,194)	507,969 (486,043)	151,896 (139,985)	452,548 (358,174)
Natural Gas, Units=KTherms	2009-2050	n/a	2,715* (3,891)	3,930 (4,085)	6,256 (5,442)	10,116 (7,797)	10,593 (7,982)	12,351 (9,898)	15,555 (14,752)	10,904 (13,054)	2,994 (3,672)	9,871 (9,500)
Oil, Units=KTherms	2009-2050	n/a	3* (5)	617* (926)	3,134 (2,691)	3,427 (3,099)	3,785 (3,322)	3,988 (3,585)	4,004 (3,985)	1,805 (2,087)	455* (694)	2,417 (2,398)
Propane, Units=KTherms	2009-2050	n/a	25* (39)	113 (120)	367 (448)	461 (541)	460 (547)	489 (604)	529* (707)	263* (382)	92* (137)	326* (430)
Kerosene, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Diesel, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Other, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Total,	2009-	n/a	290,671*	1,024,350	2,037,082	3,017,008	3,137,291	3,642,286	4,380,473	3,030,498	872,377	2,805,616

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Units=Site MMBtu	2050		(413,782)	(911,654)	(1,789,757)	(2,104,664)	(2,152,860)	(2,563,961)	(3,554,432)	(3,021,549)	(857,522)	(2,286,928)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-664 ARRA Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Energy Savings by Fuel Type and Year, Average per Year Estimates, in Source MMBtu Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	2009-2050	n/a	54,857* (80,053)	1,864,949 (1,668,408)	3,544,756 (3,344,975)	5,399,443 (3,751,705)	5,522,286 (3,844,605)	6,544,370 (4,556,780)	7,920,972 (6,315,639)	5,788,853 (5,538,990)	1,731,022 (1,595,285)	5,157,270 (4,081,781)
Natural Gas	2009-2050	n/a	284,225* (407,367)	411,473 (427,728)	654,994 (569,762)	1,059,124 (816,380)	1,109,136 (835,745)	1,293,174 (1,036,327)	1,628,568 (1,544,518)	1,141,650 (1,366,789)	313,491 (384,431)	1,033,530 (994,649)
Oil	2009-2050	n/a	309* (471)	62,325* (93,531)	316,543 (271,797)	346,082 (313,029)	382,332 (335,520)	402,773 (362,122)	404,439 (402,534)	182,345 (210,804)	45,935* (70,094)	244,147 (242,196)
Propane	2009-2050	n/a	2,498* (3,894)	11,363 (12,151)	37,103 (45,295)	46,568 (54,599)	46,411 (55,288)	49,394 (61,053)	53,460* (71,387)	26,559* (38,622)	9,278* (13,875)	32,921* (43,385)
Kerosene	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Total	2009-2050	n/a	341,890* (488,130)	2,350,109 (2,092,442)	4,553,395 (4,150,091)	6,851,217 (4,742,479)	7,060,165 (4,855,688)	8,289,711 (5,775,335)	10,007,439 (8,027,913)	7,139,408 (6,951,455)	2,099,727 (1,984,225)	6,467,869 (5,178,628)

Note:



Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-665

ARRA Period BPAC, Loans, Grants, and Incentives

SEP-Attributable Energy Savings by Fuel Type and Year, Row Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	-	0.9% (0.5%)	1.6% (1.0%)	2.5% (1.1%)	2.5% (1.1%)	21.1% (6.7%)	36.6% (0.7%)	26.7% (7.4%)	8.0% (2.6%)	100.0% (0.0%)
Natural Gas	n/a	0.7%* (0.9%)	0.9% (0.9%)	1.5% (1.1%)	2.4% (1.1%)	2.6% (1.1%)	20.9% (6.2%)	37.5% (1.2%)	26.3% (8.7%)	7.2% (2.7%)	100.0% (0.0%)
Oil	n/a	-	0.6%* (1.0%)	3.1% (0.8%)	3.4% (0.6%)	3.7% (0.8%)	27.5% (4.5%)	39.4% (1.3%)	17.8% (4.4%)	4.5% (3.3%)	100.0% (0.0%)
Propane	n/a	0.2%* (0.4%)	0.8%* (1.2%)	2.7% (0.4%)	3.4% (0.6%)	3.4% (0.5%)	25.0% (2.4%)	38.7% (1.0%)	19.2% (3.1%)	6.7% (1.4%)	100.0% (0.0%)
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	0.1% (0.1%)	0.9% (0.5%)	1.7% (1.0%)	2.5% (1.0%)	2.6% (1.0%)	21.4% (6.4%)	36.8% (0.6%)	26.3% (7.4%)	7.7% (2.4%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

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"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-666 **ARRA Period BPAC, Loans, Grants, and Incentives**
SEP-Attributable Energy Savings by Fuel Type and Year, Column Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	16.0% (0.9%)	79.4% (5.2%)	77.8% (5.2%)	78.8% (5.3%)	78.2% (5.3%)	78.9% (4.8%)	79.2% (4.1%)	81.1% (4.3%)	82.4% (6.4%)	79.7% (4.1%)
Natural Gas	n/a	83.1% (0.6%)	17.5% (4.5%)	14.4% (3.4%)	15.5% (5.6%)	15.7% (5.5%)	15.6% (5.3%)	16.3% (4.8%)	16.0% (5.3%)	14.9% (6.4%)	16.0% (4.8%)
Oil	n/a	0.1% (0.0%)	2.7%* (4.4%)	7.0% (3.8%)	5.1% (2.9%)	5.4% (3.3%)	4.9% (3.2%)	4.0% (3.7%)	2.6% (3.1%)	2.2%* (3.3%)	3.8% (3.4%)
Propane	n/a	0.7%* (1.5%)	0.5%* (0.6%)	0.8% (0.4%)	0.7% (0.5%)	0.7% (0.5%)	0.6% (0.5%)	0.5% (0.6%)	0.4%* (0.5%)	0.4%* (0.7%)	0.5% (0.6%)
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

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Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-667 ARRA Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Energy Savings by Sector and Year, Total Estimates, in Site MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	289,568* (413,664)	714,174 (877,057)	1,301,983* (1,724,096)	1,368,011* (1,831,495)	1,388,290* (1,865,882)	11,043,412* (14,555,542)	16,781,518* (21,219,518)	10,179,205 (12,357,432)	3,102,058 (3,526,146)	46,168,217* (57,919,610)
Commercial	n/a	1,015* (1,583)	16,422* (23,209)	70,041 (59,205)	76,991 (66,092)	78,210 (67,537)	681,962 (640,457)	2,647,816* (3,546,742)	3,769,768* (5,608,770)	1,085,446* (1,612,330)	8,427,671* (11,489,697)
Industrial	n/a	-	2,385* (3,594)	26,403 (31,994)	282,465* (384,135)	316,129 (390,118)	2,205,692 (2,729,950)	1,953,441 (2,387,743)	261,461 (275,467)	155,737* (234,652)	5,203,714 (6,410,493)
Public Institutional	n/a	88* (134)	288,347 (241,480)	619,843 (438,364)	1,264,483 (1,112,198)	1,329,759 (1,148,417)	11,400,779 (10,965,289)	22,274,432 (26,061,764)	16,092,823* (22,074,661)	4,380,524* (6,314,601)	57,651,079 (68,076,171)
Private Institutional	n/a	-	3,021 (3,349)	18,813 (19,370)	25,058 (26,063)	24,904 (25,863)	164,159 (168,205)	147,519 (135,271)	1,721* (2,428)	-	385,194 (373,415)
Total	n/a	290,671* (413,782)	1,024,350 (911,654)	2,037,082 (1,789,757)	3,017,008 (2,104,664)	3,137,291 (2,152,860)	25,496,004 (17,947,729)	43,804,726 (35,544,323)	30,304,978 (30,215,488)	8,723,765 (8,575,219)	117,835,876 (96,050,980)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

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Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

Table K-668 ARRA Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Energy Savings by Sector and Year, Total Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	340,534* (488,013)	1,557,368* (1,990,291)	2,943,331* (3,973,935)	3,042,662* (4,135,753)	3,087,103* (4,214,016)	25,018,155* (32,958,728)	38,389,530 (47,115,762)	25,130,087 (28,814,859)	7,689,738 (8,398,423)	107,198,508 (129,990,530)
Commercial	n/a	1,063* (1,657)	18,818* (25,754)	128,472 (129,218)	149,487 (143,410)	153,353 (148,895)	1,462,426 (1,579,151)	6,694,245* (9,359,256)	9,954,921* (14,799,093)	2,888,497* (4,275,052)	21,451,282* (30,331,820)
Industrial	n/a	-	7,967* (12,004)	69,209* (94,201)	877,313* (1,270,870)	912,548* (1,272,865)	6,378,894* (8,909,688)	5,562,623* (7,724,621)	630,834* (798,135)	520,141* (783,706)	14,959,529* (20,855,989)
Public Institutional	n/a	292* (446)	757,296 (647,284)	1,378,543 (1,117,537)	2,735,289 (2,538,360)	2,860,917 (2,637,232)	24,860,475 (25,008,462)	49,125,319 (59,136,543)	35,676,033* (48,824,425)	9,898,891* (14,059,373)	127,293,054 (153,506,513)
Private Institutional	n/a	-	8,660 (9,533)	33,839 (30,531)	46,466 (44,904)	46,244 (44,656)	308,029 (295,119)	302,672 (272,041)	2,201 (2,683)	-	748,112 (687,482)
Total	n/a	341,890* (488,130)	2,350,109 (2,092,442)	4,553,395 (4,150,091)	6,851,217 (4,742,479)	7,060,165 (4,855,688)	58,027,979 (40,427,343)	100,074,388 (80,279,127)	71,394,076 (69,514,551)	20,997,267 (19,842,248)	271,650,484 (217,502,369)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

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Table K-669 **ARRA Period BPAC, Loans, Grants, and Incentives**
SEP-Attributable Energy Savings by Sector and Year, Average per Year Estimates, in Site MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
					1,301,983 _*	1,368,011 _*	1,388,290 _*	1,577,630 _*	1,678,152 _*	1,017,920		1,099,243 _*
Residential	2009-2050	n/a	289,568 _* (413,664)	714,174 (877,057)	(1,724,096)	(1,831,495)	(1,865,882)	(2,079,363)	(2,121,952)	(1,235,743)	310,206 (352,615)	(1,379,038)
Commercial	2009-2050	n/a	1,015 _* (1,583)	16,422 _* (23,209)	70,041 (59,205)	76,991 (66,092)	78,210 (67,537)	97,423 (91,494)	264,782 _* (354,674)	376,977 _* (560,877)	108,545 _* (161,233)	200,659 _* (273,564)
Industrial	2010-2050	n/a	-	2,385 _* (3,594)	26,403 (31,994)	282,465 _* (384,135)	316,129 (390,118)	315,099 (389,993)	195,344 (238,774)	26,146 (27,547)	15,574 _* (23,465)	126,920 (156,353)
Public Institutional	2009-2050	n/a	88 _* (134)	288,347 (241,480)	619,843 (438,364)	(1,112,198)	(1,148,417)	(1,566,470)	(2,606,176)	(2,207,466)	438,052 _* (631,460)	(1,620,861)
Private Institutional	2010-2031	n/a	-	3,021 (3,349)	18,813 (19,370)	25,058 (26,063)	24,904 (25,863)	23,451 (24,029)	14,752 (13,527)	1,721 _* (2,428)	-	17,509 (16,973)
Total	2009-2050	n/a	290,671 _* (413,782)	1,024,350 (911,654)	2,037,082 (1,789,757)	3,017,008 (2,104,664)	3,137,291 (2,152,860)	3,642,286 (2,563,961)	4,380,473 (3,554,432)	3,030,498 (3,021,549)	872,377 (857,522)	2,805,616 (2,286,928)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-670 ARRA Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Energy Savings by Sector and Year, Average per Year Estimates, in Source MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	2009-2050	n/a	340,534* (488,013)	1,557,368* (1,990,291)	2,943,331* (3,973,935)	3,042,662* (4,135,753)	3,087,103* (4,214,016)	3,574,022* (4,708,390)	3,838,953 (4,711,576)	2,513,009 (2,881,486)	768,974 (839,842)	2,552,345 (3,095,013)
Commercial	2009-2050	n/a	1,063* (1,657)	18,818* (25,754)	128,472 (129,218)	149,487 (143,410)	153,353 (148,895)	208,918 (225,593)	669,424* (935,926)	995,492* (1,479,909)	288,850* (427,505)	510,745* (722,186)
Industrial	2010-2050	n/a	-	7,967* (12,004)	69,209* (94,201)	877,313* (1,270,870)	912,548* (1,272,865)	911,271* (1,272,813)	556,262* (772,462)	63,083* (79,813)	52,014* (78,371)	364,867* (508,683)
Public Institutional	2009-2050	n/a	292* (446)	757,296 (647,284)	1,378,543 (1,117,537)	2,735,289 (2,538,360)	2,860,917 (2,637,232)	3,551,496 (3,572,637)	4,912,532 (5,913,654)	3,567,603* (4,882,442)	989,889* (1,405,937)	3,030,787 (3,654,917)
Private Institutional	2010-2031	n/a	-	8,660 (9,533)	33,839 (30,531)	46,466 (44,904)	46,244 (44,656)	44,004 (42,160)	30,267 (27,204)	2,201 (2,683)	-	34,005 (31,249)
Total	2009-2050	n/a	341,890* (488,130)	2,350,109 (2,092,442)	4,553,395 (4,150,091)	6,851,217 (4,742,479)	7,060,165 (4,855,688)	8,289,711 (5,775,335)	10,007,439 (8,027,913)	7,139,408 (6,951,455)	2,099,727 (1,984,225)	6,467,869 (5,178,628)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

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"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-671 **ARRA Period BPAC, Loans, Grants, and Incentives**
SEP-Attributable Energy Savings by Sector and Year, Row Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	0.3% (0.1%)	1.5% (0.4%)	2.7% (0.8%)	2.8% (0.9%)	2.9% (0.9%)	23.3% (5.2%)	35.8% (1.0%)	23.4% (5.4%)	7.2% (3.8%)	100.0% (0.0%)
Commercial	n/a	-	0.1%* (0.2%)	0.6% (0.3%)	0.7% (0.5%)	0.7% (0.5%)	6.8% (3.2%)	31.2% (0.6%)	46.4% (4.0%)	13.5% (1.1%)	100.0% (0.0%)
Industrial	n/a	-	0.1% (0.0%)	0.5% (0.1%)	5.9% (0.5%)	6.1% (0.0%)	42.6% (0.2%)	37.2% (0.3%)	4.2% (0.9%)	3.5% (0.5%)	100.0% (0.0%)
Public Institutional	n/a	-	0.6% (0.3%)	1.1% (0.5%)	2.1% (0.7%)	2.2% (0.8%)	19.5% (4.5%)	38.6% (0.5%)	28.0% (5.1%)	7.8% (1.9%)	100.0% (0.0%)
Private Institutional	n/a	-	1.2% (1.0%)	4.5% (0.6%)	6.2% (1.0%)	6.2% (1.0%)	41.2% (5.5%)	40.5% (5.9%)	0.3% (0.3%)	-	100.0% (0.0%)
Total	n/a	0.1% (0.1%)	0.9% (0.5%)	1.7% (1.0%)	2.5% (1.0%)	2.6% (1.0%)	21.4% (6.4%)	36.8% (0.6%)	26.3% (7.4%)	7.7% (2.4%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-672 **ARRA Period BPAC, Loans, Grants, and Incentives**
SEP-Attributable Energy Savings by Sector and Year, Column Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	99.6% (0.7%)	66.3% (33.8%)	64.6% (35.2%)	44.4% (36.8%)	43.7% (36.8%)	43.1% (36.7%)	38.4% (38.2%)	35.2% (40.7%)	36.6% (40.2%)	39.5% (38.5%)
Commercial	n/a	0.3%* (0.6%)	0.8%* (1.3%)	2.8% (3.3%)	2.2% (2.1%)	2.2% (2.0%)	2.5% (2.3%)	6.7% (6.0%)	13.9% (10.1%)	13.8% (10.1%)	7.9% (7.2%)
Industrial	n/a	-	0.3%* (0.6%)	1.5%* (2.6%)	12.8%* (20.6%)	12.9%* (20.3%)	11.0%* (17.9%)	5.6%* (10.1%)	0.9%* (1.7%)	2.5%* (5.2%)	5.5%* (10.0%)
Public Institutional	n/a	0.1%* (0.2%)	32.2% (33.1%)	30.3% (31.2%)	39.9% (35.5%)	40.5% (35.4%)	42.8% (36.7%)	49.1% (36.0%)	50.0% (31.5%)	47.1% (32.8%)	46.9% (35.0%)
Private Institutional	n/a	-	0.4%* (0.5%)	0.7%* (0.9%)	0.7% (0.8%)	0.7% (0.8%)	0.5% (0.6%)	0.3% (0.4%)	-	-	0.3% (0.3%)
Total	n/a	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-673 **ARRA Period BPAC, Loans, Grants, and Incentives**
SEP-Attributable Energy Savings by Fuel Type and Sector, Total Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity, Units=MWh	7,561,883 (8,974,808)	1,616,281* (2,340,341)	1,216,068* (1,819,416)	8,567,951 (10,539,015)	44,823 (40,129)	19,007,005 (15,043,314)
Natural Gas, Units=KTherms	122,436* (171,470)	24,377* (34,879)	9,800* (12,625)	257,246* (325,943)	738 (751)	414,597 (399,000)
Oil, Units=KTherms	68,484* (93,315)	4,573 (5,007)	736* (1,129)	26,164* (34,940)	1,569* (2,141)	101,527 (100,715)
Propane, Units=KTherms	12,740* (18,010)	177 (203)	7* (11)	750 (897)	15* (21)	13,690* (18,041)
Kerosene, Units=KTherms	n/a	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	-	-	-
Diesel, Units=Site MMBtu	n/a	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	-	-	-	-	-
Other, Units=Site MMBtu	n/a	-	-	-	-	-
Total,	46,168,217*	8,427,671*	5,203,714	57,651,079	385,194	117,835,876

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Units=Site MMBtu	(57,919,610)	(11,489,697)	(6,410,493)	(68,076,171)	(373,415)	(96,050,980)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-674 ARRA Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Energy Savings by Fuel Type and Sector, Total Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	86,175,821 (102,277,633)	18,419,264* (26,670,714)	13,858,407* (20,734,207)	97,641,053 (120,103,454)	510,805 (457,311)	216,605,350 (171,434,813)
Natural Gas	12,819,014* (17,952,885)	2,552,277* (3,651,869)	1,026,030* (1,321,849)	26,933,651* (34,126,273)	77,295 (78,645)	43,408,267 (41,775,270)
Oil	6,916,929* (9,424,775)	461,837 (505,717)	74,352* (114,051)	2,642,569* (3,528,973)	158,504* (216,192)	10,254,192 (10,172,243)
Propane	1,286,743* (1,818,977)	17,903 (20,500)	740* (1,135)	75,781 (90,566)	1,507* (2,140)	1,382,675* (1,822,156)
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	-	-	-
Diesel	n/a	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	107,198,508 (129,990,530)	21,451,282* (30,331,820)	14,959,529* (20,855,989)	127,293,054 (153,506,513)	748,112 (687,482)	271,650,484 (217,502,369)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.



Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-675 **ARRA Period BPAC, Loans, Grants, and Incentives**
SEP-Attributable Energy Savings by Fuel Type and Sector, Average per Year Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity, Units=MWh	180,045 (213,686)	39,421* (57,081)	29,660* (44,376)	203,999 (250,929)	2,037 (1,824)	452,548 (358,174)
Natural Gas, Units=KTherms	2,915* (4,083)	580* (830)	426* (549)	6,274* (7,950)	34 (34)	9,871 (9,500)
Oil, Units=KTherms	1,631* (2,222)	183 (200)	49* (75)	934* (1,248)	78* (107)	2,417 (2,398)
Propane, Units=KTherms	303* (429)	7 (8)	1* (2)	18 (22)	1* (1)	326* (430)
Kerosene, Units=KTherms	n/a	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	-	-	-
Diesel, Units=Site MMBtu	n/a	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	-	-	-	-	-
Other, Units=Site MMBtu	n/a	-	-	-	-	-
Total,	1,099,243*	200,659*	126,920	1,372,645	17,509	2,805,616

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Units=Site MMBtu	(1,379,038)	(273,564)	(156,353)	(1,620,861)	(16,973)	(2,286,928)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-676 **ARRA Period BPAC, Loans, Grants, and Incentives**
SEP-Attributable Energy Savings by Fuel Type and Sector, Average per Year Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	2,051,805 (2,435,182)	449,250* (650,505)	338,010* (505,712)	2,324,787 (2,859,606)	23,218 (20,787)	5,157,270 (4,081,781)
Natural Gas	305,215* (427,450)	60,768* (86,949)	44,610* (57,472)	656,918* (832,348)	3,513 (3,575)	1,033,530 (994,649)
Oil	164,689* (224,399)	18,473 (20,229)	4,957* (7,603)	94,377* (126,035)	7,925* (10,810)	244,147 (242,196)
Propane	30,637* (43,309)	716 (820)	123* (189)	1,848 (2,209)	75* (107)	32,921* (43,385)
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	-	-	-
Diesel	n/a	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	2,552,345 (3,095,013)	510,745* (722,186)	364,867* (508,683)	3,030,787 (3,654,917)	34,005 (31,249)	6,467,869 (5,178,628)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

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"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period. Estimates that round to zero during the impact period will not be displayed due to suppression.



Table K-677 **ARRA Period BPAC, Loans, Grants, and Incentives**
SEP-Attributable Energy Savings by Fuel Type and Sector, Row Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	39.8% (38.0%)	8.5% (8.1%)	6.4%* (12.1%)	45.1% (34.7%)	0.2% (0.3%)	100.0% (0.0%)
Natural Gas	29.5%* (38.8%)	5.9% (4.2%)	2.4%* (3.8%)	62.0% (35.7%)	0.2%* (0.2%)	100.0% (0.0%)
Oil	67.5% (38.4%)	4.5%* (6.0%)	0.7%* (1.2%)	25.8%* (34.8%)	1.5%* (2.5%)	100.0% (0.0%)
Propane	93.1% (11.0%)	1.3%* (2.2%)	0.1%* (0.1%)	5.5%* (9.5%)	0.1%* (0.2%)	100.0% (0.0%)
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	-	-	-
Diesel	n/a	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	39.5% (38.5%)	7.9% (7.2%)	5.5%* (10.0%)	46.9% (35.0%)	0.3% (0.3%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-678 **ARRA Period BPAC, Loans, Grants, and Incentives**
SEP-Attributable Energy Savings by Fuel Type and Sector, Column Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	80.4% (7.8%)	85.9% (3.6%)	92.6% (12.7%)	76.7% (5.0%)	68.3% (11.9%)	79.7% (4.1%)
Natural Gas	12.0% (4.9%)	11.9% (0.8%)	6.9%* (12.2%)	21.2% (4.3%)	10.3% (6.5%)	16.0% (4.8%)
Oil	6.5% (2.6%)	2.2%* (3.8%)	0.5%* (1.0%)	2.1%* (3.8%)	21.2% (17.5%)	3.8% (3.4%)
Propane	1.2% (0.5%)	0.1%* (0.2%)	-	0.1%* (0.1%)	0.2% (0.2%)	0.5% (0.6%)
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	-	-	-
Diesel	n/a	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

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Table K-679 **ARRA Period BPAC, Loans, Grants, and Incentives**
SEP-Attributable Renewable Generation by Fuel Type and Year, Total Estimates, in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated, Units=MWh	n/a	780 (825)	7,651 (5,343)	218,601 (240,029)	798,483 (960,150)	853,315 (1,015,795)	6,330,709 (7,278,617)	9,171,159 (10,523,683)	4,276,366 (4,523,200)	78,865 (73,015)	21,735,929 (24,599,943)
Methane Produced, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-
Biodiesel Production, Units=KTherms	n/a	-	-	-	426* (581)	447* (610)	3,821* (5,215)	8,305* (11,335)	2,205* (3,009)	-	15,203* (20,750)
Ethanol Production, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Other, Units=Site	n/a	-	-	-	-	-	-	-	-	-	-

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
MMBtu											
Total, Units=Site MMBtu	n/a	2,661 (2,814)	26,106 (18,230)	745,898 (819,012)	2,724,962 (3,275,967)	2,912,079 (3,465,823)	21,605,085 (24,833,777)	31,301,584 (35,904,175)	14,593,763 (15,432,632)	269,100 (249,139)	74,181,238 (83,930,884)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-680

ARRA Period BPAC, Loans, Grants, and Incentives

SEP-Attributable Renewable Generation by Fuel Type and Year, Total Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	n/a	2,661 (2,813)	26,105 (18,230)	2,144,973* (2,714,473)	8,454,439* (10,929,426)	9,079,019* (11,564,361)	67,732,493 (82,871,599)	98,213,800 (119,832,066)	45,196,184 (51,489,430)	757,429 (786,851)	231,607,105 (280,084,460)
Methane Produced	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	-	-	-	-	-	-	-	-	-
Biodiesel Production	n/a	-	-	-	430* (587)	451* (616)	3,859* (5,267)	8,388* (11,448)	2,227* (3,039)	-	15,355* (20,957)
Ethanol Production	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	2,661 (2,813)	26,105 (18,230)	2,144,973* (2,714,473)	8,454,869* (10,929,226)	9,079,470* (11,564,148)	67,736,352 (82,869,695)	98,222,188 (119,827,915)	45,198,411 (51,488,257)	757,429 (786,851)	231,622,460 (280,076,810)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.



Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-681

ARRA Period BPAC, Loans, Grants, and Incentives

SEP-Attributable Renewable Generation by Fuel Type and Year, Average per Year Estimates, in Original Site Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated, Units=MWh	2009-2050	n/a	780 (825)	7,651 (5,343)	218,601 (240,029)	798,483 (960,150)	853,315 (1,015,795)	904,387 (1,039,802)	917,116 (1,052,368)	427,637 (452,320)	7,887 (7,302)	517,522 (585,713)
Methane Produced, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Biodiesel Production, Units=KTherms	2012-2032	n/a	-	-	-	426* (581)	447* (610)	546* (745)	831* (1,133)	1,102* (1,505)	-	724* (988)
Ethanol Production, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Other,	n/a	n/a	-	-	-	-	-	-	-	-	-	-

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Units=Site MMBtu												
Total, Units=Site MMBtu	2009-2050	n/a	2,661 (2,814)	26,106 (18,230)	745,898 (819,012)	2,724,962 (3,275,967)	2,912,079 (3,465,823)	3,086,441 (3,547,682)	3,130,158 (3,590,418)	1,459,376 (1,543,263)	26,910 (24,914)	1,766,220 (1,998,354)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

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"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-682

ARRA Period BPAC, Loans, Grants, and Incentives

SEP-Attributable Renewable Generation by Fuel Type and Year, Average per Year Estimates, in Source MMBtu Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	2009-2050	n/a	2,661 (2,813)	26,105 (18,230)	2,144,973 [*] (2,714,473)	8,454,439 [*] (10,929,426)	9,079,019 [*] (11,564,361)	9,676,070 (11,838,800)	9,821,380 (11,983,207)	4,519,618 (5,148,943)	75,743 (78,685)	5,514,455 (6,668,678)
Methane Produced	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Biodiesel Production	2012-2032	n/a	-	-	-	430 [*] (587)	451 [*] (616)	551 [*] (752)	839 [*] (1,145)	1,113 [*] (1,520)	-	731 [*] (998)
Ethanol Production	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Total	2009-2050	n/a	2,661 (2,813)	26,105 (18,230)	2,144,973 [*] (2,714,473)	8,454,869 [*] (10,929,226)	9,079,470 [*] (11,564,148)	9,676,622 (11,838,528)	9,822,219 (11,982,792)	4,519,841 (5,148,826)	75,743 (78,685)	5,514,820 (6,668,495)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.



"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-683 ARRA Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Renewable Generation by Fuel Type and Year, Row Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	n/a	-	-	0.9% (0.1%)	3.7% (0.4%)	3.9% (0.3%)	29.2% (0.5%)	42.4% (0.6%)	19.5% (1.8%)	0.3% (0.1%)	100.0% (0.0%)
Methane Produced	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	-	-	-	-	-	-	-	-	-
Biodiesel Production	n/a	-	-	-	2.8% (0.0%)	2.9% (0.0%)	25.1% (0.0%)	54.6% (0.0%)	14.5% (0.0%)	-	100.0% (0.0%)
Ethanol Production	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	-	0.9% (0.1%)	3.7% (0.4%)	3.9% (0.3%)	29.2% (0.5%)	42.4% (0.6%)	19.5% (1.8%)	0.3% (0.1%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-684 ARRA Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Renewable Generation by Fuel Type and Year, Column Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	n/a	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)
Methane Produced	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	-	-	-	-	-	-	-	-	-
Biodiesel Production	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol Production	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-685 ARRA Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Renewable Generation by Sector and Year, Total Estimates, in Site MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	1,862 (1,738)	12,615 (13,338)	58,345 (64,139)	101,584 (102,826)	101,637 (102,438)	686,669 (683,725)	987,262 (920,627)	553,897 (447,164)	39,760* (61,974)	2,543,631 (2,305,618)
Commercial	n/a	799* (1,246)	7,971 (6,042)	32,952 (33,626)	57,462 (59,332)	57,402 (59,170)	386,255 (399,011)	547,614 (539,868)	300,644 (267,579)	14,364* (22,390)	1,405,462 (1,352,379)
Industrial	n/a	-	-	597,933* (812,131)	2,455,526* (3,271,865)	2,642,517* (3,461,982)	19,763,136* (24,808,838)	28,671,295 (35,872,508)	13,144,652 (15,414,085)	214,976 (234,420)	67,490,035 (83,846,377)
Public Institutional	n/a	-	80* (125)	15,079* (20,260)	68,290* (95,403)	68,422* (95,422)	478,153* (667,840)	680,705* (953,724)	392,153* (551,908)	-	1,702,882* (2,384,465)
Private Institutional	n/a	-	5,440* (8,486)	41,589* (64,879)	42,100* (65,675)	42,100* (65,675)	290,873* (453,758)	414,709* (646,941)	202,417* (315,769)	-	1,039,228* (1,621,182)
Total	n/a	2,661 (2,814)	26,106 (18,230)	745,898 (819,012)	2,724,962 (3,275,967)	2,912,079 (3,465,823)	21,605,085 (24,833,777)	31,301,584 (35,904,175)	14,593,763 (15,432,632)	269,100 (249,139)	74,181,238 (83,930,884)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

Table K-686 ARRA Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Renewable Generation by Sector and Year, Total Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	1,862 (1,738)	12,615 (13,337)	58,343 (64,136)	101,580 (102,822)	101,633 (102,434)	686,641 (683,697)	987,221 (920,589)	553,874 (447,145)	39,758* (61,972)	2,543,526 (2,305,524)
Commercial	n/a	799* (1,246)	7,970 (6,041)	32,951 (33,624)	57,460 (59,330)	57,400 (59,168)	386,239 (398,995)	547,591 (539,845)	300,631 (267,568)	14,363* (22,389)	1,405,404 (1,352,324)
Industrial	n/a	-	-	1,997,014* (2,712,405)	8,185,444* (10,927,997)	8,809,920* (11,562,997)	65,894,479* (82,862,225)	95,592,007 (119,818,431)	43,749,360 (51,482,702)	703,308 (782,316)	224,931,532 (280,051,500)
Public Institutional	n/a	-	80* (125)	15,078* (20,259)	68,287* (95,399)	68,420* (95,419)	478,133* (667,813)	680,677* (953,685)	392,137* (551,886)	-	1,702,812* (2,384,367)
Private Institutional	n/a	-	5,440* (8,486)	41,587* (64,876)	42,098* (65,673)	42,098* (65,673)	290,861* (453,739)	414,692* (646,914)	202,409* (315,756)	-	1,039,185* (1,621,116)
Total	n/a	2,661 (2,813)	26,105 (18,230)	2,144,973* (2,714,473)	8,454,869* (10,929,226)	9,079,470* (11,564,148)	67,736,352 (82,869,695)	98,222,188 (119,827,915)	45,198,411 (51,488,257)	757,429 (786,851)	231,622,460 (280,076,810)

Note:

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Table K-687 ARRA Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Renewable Generation by Sector and Year, Average per Year Estimates, in Site MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	2009-2050	n/a	1,862 (1,738)	12,615 (13,338)	58,345 (64,139)	101,584 (102,826)	101,637 (102,438)	98,096 (97,675)	98,726 (92,063)	55,390 (44,716)	3,976* (6,197)	60,563 (54,896)
Commercial	2009-2050	n/a	799* (1,246)	7,971 (6,042)	32,952 (33,626)	57,462 (59,332)	57,402 (59,170)	55,179 (57,002)	54,761 (53,987)	30,064 (26,758)	1,436* (2,239)	33,463 (32,200)
Industrial	2011-2042	n/a	-	-	597,933* (812,131)	2,455,526* (3,271,865)	2,642,517* (3,461,982)	2,823,305* (3,544,120)	2,867,129 (3,587,251)	1,314,465 (1,541,409)	107,488 (117,210)	2,109,064 (2,620,199)
Public Institutional	2010-2036	n/a	-	80* (125)	15,079* (20,260)	68,290* (95,403)	68,422* (95,422)	68,308* (95,406)	68,070* (95,372)	65,359* (91,985)	-	63,070* (88,314)
Private Institutional	2010-2036	n/a	-	5,440* (8,486)	41,589* (64,879)	42,100* (65,675)	42,100* (65,675)	41,553* (64,823)	41,471* (64,694)	33,736* (52,628)	-	38,490* (60,044)
Total	2009-2050	n/a	2,661 (2,814)	26,106 (18,230)	745,898 (819,012)	2,724,962 (3,275,967)	2,912,079 (3,465,823)	3,086,441 (3,547,682)	3,130,158 (3,590,418)	1,459,376 (1,543,263)	26,910 (24,914)	1,766,220 (1,998,354)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

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Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-688 ARRA Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Renewable Generation by Sector and Year, Average per Year Estimates, in Source MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	2009-2050	n/a	1,862 (1,738)	12,615 (13,337)	58,343 (64,136)	101,580 (102,822)	101,633 (102,434)	98,092 (97,671)	98,722 (92,059)	55,387 (44,715)	3,976* (6,197)	60,560 (54,893)
Commercial	2009-2050	n/a	799* (1,246)	7,970 (6,041)	32,951 (33,624)	57,460 (59,330)	57,400 (59,168)	55,177 (56,999)	54,759 (53,985)	30,063 (26,757)	1,436* (2,239)	33,462 (32,198)
Industrial	2011-2042	n/a	-	-	1,997,014* (2,712,405)	8,185,444* (10,927,997)	8,809,920* (11,562,997)	9,413,497* (11,837,461)	9,559,201 (11,981,843)	4,374,936 (5,148,270)	351,654 (391,158)	7,029,110 (8,751,609)
Public Institutional	2010-2036	n/a	-	80* (125)	15,078* (20,259)	68,287* (95,399)	68,420* (95,419)	68,305* (95,402)	68,068* (95,368)	65,356* (91,981)	-	63,067* (88,310)
Private Institutional	2010-2036	n/a	-	5,440* (8,486)	41,587* (64,876)	42,098* (65,673)	42,098* (65,673)	41,552* (64,820)	41,469* (64,691)	33,735* (52,626)	-	38,488* (60,041)
Total	2009-2050	n/a	2,661 (2,813)	26,105 (18,230)	2,144,973* (2,714,473)	8,454,869* (10,929,226)	9,079,470* (11,564,148)	9,676,622 (11,838,528)	9,822,219 (11,982,792)	4,519,841 (5,148,826)	75,743 (78,685)	5,514,820 (6,668,495)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

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"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-689 **ARRA Period BPAC, Loans, Grants, and Incentives**
SEP-Attributable Renewable Generation by Sector and Year, Row Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	0.1% (0.0%)	0.5% (0.1%)	2.3% (0.7%)	4.0% (0.6%)	4.0% (0.6%)	27.0% (3.3%)	38.8% (1.5%)	21.8% (3.4%)	1.6%* (3.2%)	100.0% (0.0%)
Commercial	n/a	0.1%* (0.1%)	0.6% (0.3%)	2.3% (0.4%)	4.1% (0.4%)	4.1% (0.4%)	27.5% (2.5%)	39.0% (1.2%)	21.4% (2.3%)	1.0%* (2.2%)	100.0% (0.0%)
Industrial	n/a	-	-	0.9% (0.1%)	3.6% (0.4%)	3.9% (0.3%)	29.3% (0.5%)	42.5% (0.5%)	19.5% (1.8%)	0.3% (0.1%)	100.0% (0.0%)
Public Institutional	n/a	-	-	0.9% (0.1%)	4.0% (0.0%)	4.0% (0.0%)	28.1% (0.2%)	40.0% (0.1%)	23.0% (0.3%)	-	100.0% (0.0%)
Private Institutional	n/a	-	0.5% (0.0%)	4.0% (0.0%)	4.1% (0.0%)	4.1% (0.0%)	28.0% (0.0%)	39.9% (0.0%)	19.5% (0.0%)	-	100.0% (0.0%)
Total	n/a	-	-	0.9% (0.1%)	3.7% (0.4%)	3.9% (0.3%)	29.2% (0.5%)	42.4% (0.6%)	19.5% (1.8%)	0.3% (0.1%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-690 **ARRA Period BPAC, Loans, Grants, and Incentives**
SEP-Attributable Renewable Generation by Sector and Year, Column Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	70.0% (21.6%)	48.3% (24.4%)	2.7%* (4.5%)	1.2%* (2.0%)	1.1%* (1.8%)	1.0%* (1.6%)	1.0%* (1.5%)	1.2%* (1.7%)	5.2%* (9.3%)	1.1%* (1.7%)
Commercial	n/a	30.0% (21.6%)	30.5% (18.0%)	1.5%* (2.5%)	0.7%* (1.1%)	0.6%* (1.0%)	0.6%* (0.9%)	0.6%* (0.9%)	0.7%* (1.0%)	1.9%* (3.4%)	0.6%* (0.9%)
Industrial	n/a	-	-	93.1% (9.9%)	96.8% (4.5%)	97.0% (4.2%)	97.3% (3.7%)	97.3% (3.6%)	96.8% (4.0%)	92.9% (12.7%)	97.1% (3.8%)
Public Institutional	n/a	-	0.3%* (0.5%)	0.7%* (1.3%)	0.8%* (1.5%)	0.8%* (1.4%)	0.7%* (1.3%)	0.7%* (1.3%)	0.9%* (1.6%)	-	0.7%* (1.4%)
Private Institutional	n/a	-	20.8%* (32.4%)	1.9%* (3.9%)	0.5%* (1.0%)	0.5%* (0.9%)	0.4%* (0.9%)	0.4%* (0.8%)	0.4%* (0.9%)	-	0.4%* (0.9%)
Total	n/a	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-691

ARRA Period BPAC, Loans, Grants, and Incentives

SEP-Attributable Renewable Generation by Fuel Type and Sector, Total Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated, Units=MWh	745,465 (675,710)	411,900 (396,343)	19,774,931 (24,575,178)	499,066* (698,818)	304,568* (475,122)	21,735,929 (24,599,943)
Methane Produced, Units=KTherms	n/a	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	n/a	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	n/a	-	-	-	-	-
Biodiesel Production, Units=KTherms	n/a	-	15,203* (20,750)	-	-	15,203* (20,750)
Ethanol Production, Units=Site MMBtu	n/a	-	-	-	-	-
Other,	n/a	-	-	-	-	-

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Units=Site MMBtu						
Total, Units=Site MMBtu	2,543,631 (2,305,618)	1,405,462 (1,352,379)	67,490,035 (83,846,377)	1,702,882* (2,384,465)	1,039,228* (1,621,182)	74,181,238 (83,930,884)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-692 ARRA Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Renewable Generation by Fuel Type and Sector, Total Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated	2,543,526 (2,305,524)	1,405,404 (1,352,324)	224,916,176 (280,059,150)	1,702,812* (2,384,367)	1,039,185* (1,621,116)	231,607,105 (280,084,460)
Methane Produced	n/a	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	-	-	-	-
Biodiesel Production	n/a	-	15,355* (20,957)	-	-	15,355* (20,957)
Ethanol Production	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	2,543,526 (2,305,524)	1,405,404 (1,352,324)	224,931,532 (280,051,500)	1,702,812* (2,384,367)	1,039,185* (1,621,116)	231,622,460 (280,076,810)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.



Table K-693 **ARRA Period BPAC, Loans, Grants, and Incentives**
SEP-Attributable Renewable Generation by Fuel Type and Sector, Average per Year Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated, Units=MWh	17,749 (16,088)	9,807 (9,437)	617,967 (767,974)	18,484* (25,882)	11,280* (17,597)	517,522 (585,713)
Methane Produced, Units=KTherms	n/a	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	n/a	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	n/a	-	-	-	-	-
Biodiesel Production, Units=KTherms	n/a	-	724* (988)	-	-	724* (988)
Ethanol Production, Units=Site MMBtu	n/a	-	-	-	-	-
Other,	n/a	-	-	-	-	-

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Units=Site MMBtu						
Total, Units=Site MMBtu	60,563 (54,896)	33,463 (32,200)	2,109,064 (2,620,199)	63,070* (88,314)	38,490* (60,044)	1,766,220 (1,998,354)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-694 ARRA Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Renewable Generation by Fuel Type and Sector, Average per Year Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated	60,560 (54,893)	33,462 (32,198)	7,028,631 (8,751,848)	63,067* (88,310)	38,488* (60,041)	5,514,455 (6,668,678)
Methane Produced	n/a	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	-	-	-	-
Biodiesel Production	n/a	-	731* (998)	-	-	731* (998)
Ethanol Production	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	60,560 (54,893)	33,462 (32,198)	7,029,110 (8,751,609)	63,067* (88,310)	38,488* (60,041)	5,514,820 (6,668,495)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period. Estimates that round to zero during the impact period will not be displayed due to suppression.



Table K-695 ARRA Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Renewable Generation by Fuel Type and Sector, Row Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated	1.1%* (1.7%)	0.6%* (0.9%)	97.1% (3.8%)	0.7%* (1.4%)	0.4%* (0.9%)	100.0% (0.0%)
Methane Produced	n/a	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	-	-	-	-
Biodiesel Production	n/a	-	100.0% (0.0%)	-	-	100.0% (0.0%)
Ethanol Production	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	1.1%* (1.7%)	0.6%* (0.9%)	97.1% (3.8%)	0.7%* (1.4%)	0.4%* (0.9%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

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"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-696 ARRA Period BPAC, Loans, Grants, and Incentives
SEP-Attributable Renewable Generation by Fuel Type and Sector, Column Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)
Methane Produced	n/a	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	-	-	-	-
Biodiesel Production	n/a	-	-	-	-	-
Ethanol Production	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

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"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-697 **ARRA Period BPAC, Loans, Grants, and Incentives**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type
and Year, Total Estimates, in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	n/a	5,594* (7,086)	170,703 (146,379)	353,605 (294,113)	553,388 (331,273)	564,220 (339,408)	4,564,172 (2,800,537)	7,727,894 (5,518,980)	5,516,805 (4,836,531)	1,536,664 (1,395,725)	20,993,045 (14,968,559)
Natural Gas, Units=KTherms	n/a	2,715* (3,891)	3,930 (4,085)	6,256 (5,442)	10,116 (7,797)	10,593 (7,982)	86,459 (69,286)	155,546 (147,518)	109,040 (130,543)	29,942 (36,717)	414,597 (399,000)
Oil, Units=KTherms	n/a	3* (5)	618* (926)	3,135 (2,691)	3,427 (3,099)	3,786 (3,322)	27,920 (25,097)	40,051 (39,854)	18,057 (20,872)	4,548* (6,940)	101,546 (100,714)
Propane, Units=KTherms	n/a	25* (39)	115 (119)	369 (448)	463 (541)	462 (547)	3,438 (4,231)	5,314* (7,067)	2,638* (3,824)	919* (1,374)	13,742* (18,040)
Kerosene, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Diesel, Units=Site MMBtu	n/a	-	1,185* (1,849)	1,298* (2,024)	3,459 (3,387)	3,480 (3,392)	25,054 (23,930)	38,638 (35,237)	17,967 (18,238)	-	91,081 (85,993)
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	-	562* (877)	1,183* (1,846)	823* (1,284)	769* (1,199)	5,380* (8,393)	7,686* (11,990)	3,469* (5,411)	-	19,872* (31,001)
Other, Units=Site	n/a	-	-	-	-	-	-	-	-	-	-

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
MMBtu											
Total, Units=Site MMBtu	n/a	293,332* (413,873)	1,050,457 (912,629)	2,185,048 (1,792,470)	3,293,145 (2,111,117)	3,413,575 (2,159,288)	27,385,700 (17,963,551)	46,506,073 (35,512,747)	31,819,048 (30,170,842)	8,784,164 (8,567,380)	124,730,542 (95,938,392)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

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"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-698 **ARRA Period BPAC, Loans, Grants, and Incentives**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type
and Year, Total Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	63,745* (80,750)	1,945,348 (1,668,145)	4,029,707 (3,351,736)	6,306,457 (3,775,210)	6,429,902 (3,867,916)	52,013,669 (31,915,144)	88,067,698 (62,894,734)	62,869,954 (55,117,499)	17,511,946 (15,905,796)	239,238,426 (170,582,899)
Natural Gas	n/a	284,225* (407,367)	411,473 (427,728)	654,994 (569,762)	1,059,124 (816,380)	1,109,136 (835,745)	9,052,220 (7,254,290)	16,285,684 (15,445,179)	11,416,499 (13,667,887)	3,134,913 (3,844,310)	43,408,267 (41,775,270)
Oil	n/a	309* (471)	62,401* (93,492)	316,619 (271,786)	346,158 (313,019)	382,409 (335,512)	2,819,943 (2,534,800)	4,045,149 (4,025,272)	1,823,755 (2,108,037)	459,355* (700,935)	10,256,097 (10,172,090)
Propane	n/a	2,498* (3,894)	11,576 (12,052)	37,313 (45,286)	46,777 (54,591)	46,620 (55,281)	347,224 (427,324)	536,692* (713,817)	266,430* (386,222)	92,777* (138,753)	1,387,905* (1,822,037)
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	1,197* (1,868)	1,311* (2,045)	3,494 (3,420)	3,515 (3,426)	25,305 (24,169)	39,025 (35,589)	18,146 (18,420)	-	91,992 (86,853)
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	568* (886)	1,195* (1,864)	832* (1,297)	776* (1,211)	5,434* (8,477)	7,763* (12,110)	3,503* (5,465)	-	20,071* (31,311)
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	350,777* (488,477)	2,432,563 (2,093,872)	5,041,138 (4,157,986)	7,762,841 (4,765,291)	7,972,357 (4,878,292)	64,263,793 (40,461,34)	108,982,010 (80,088,76)	76,398,288 (69,297,42)	21,198,991 (19,804,43)	294,402,758 (216,867,0)

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
							3)	0)	5)	8)	96)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-699 **ARRA Period BPAC, Loans, Grants, and Incentives**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type
and Year, Average per Year Estimates, in Original Site Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	2009-2050	n/a	5,594* (7,086)	170,703 (146,379)	353,605 (294,113)	553,388 (331,273)	564,220 (339,408)	652,025 (400,077)	772,789 (551,898)	551,681 (483,653)	153,666 (139,573)	499,834 (356,394)
Natural Gas, Units=KTherms	2009-2050	n/a	2,715* (3,891)	3,930 (4,085)	6,256 (5,442)	10,116 (7,797)	10,593 (7,982)	12,351 (9,898)	15,555 (14,752)	10,904 (13,054)	2,994 (3,672)	9,871 (9,500)
Oil, Units=KTherms	2009-2050	n/a	3* (5)	618* (926)	3,135 (2,691)	3,427 (3,099)	3,786 (3,322)	3,989 (3,585)	4,005 (3,985)	1,806 (2,087)	455* (694)	2,418 (2,398)
Propane, Units=KTherms	2009-2050	n/a	25* (39)	115 (119)	369 (448)	463 (541)	462 (547)	491 (604)	531* (707)	264* (382)	92* (137)	327* (430)
Kerosene, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Diesel, Units=Site MMBtu	2010-2036	n/a	-	1,185* (1,849)	1,298* (2,024)	3,459 (3,387)	3,480 (3,392)	3,579 (3,419)	3,864 (3,524)	2,994 (3,040)	-	3,373 (3,185)
Ethanol, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	2010-2035	n/a	-	562* (877)	1,183* (1,846)	823* (1,284)	769* (1,199)	769* (1,199)	769* (1,199)	694* (1,082)	-	764* (1,192)
Other, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Total, Units=Site MMBtu	2009-2050	n/a	293,332* (413,873)	1,050,457 (912,629)	2,185,048 (1,792,470)	3,293,145 (2,111,117)	3,413,575 (2,159,288)	3,912,243 (2,566,222)	4,650,607 (3,551,275)	3,181,905 (3,017,084)	878,416 (856,738)	2,969,775 (2,284,247)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-700 **ARRA Period BPAC, Loans, Grants, and Incentives**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type
and Year, Average per Year Estimates, in Source MMBtu Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	2009-2050	n/a	63,745* (80,750)	1,945,348 (1,668,145)	4,029,707 (3,351,736)	6,306,457 (3,775,210)	6,429,902 (3,867,916)	7,430,524 (4,559,306)	8,806,770 (6,289,473)	6,286,995 (5,511,750)	1,751,195 (1,590,580)	5,696,153 (4,061,498)
Natural Gas	2009-2050	n/a	284,225* (407,367)	411,473 (427,728)	654,994 (569,762)	1,059,124 (816,380)	1,109,136 (835,745)	1,293,174 (1,036,327)	1,628,568 (1,544,518)	1,141,650 (1,366,789)	313,491 (384,431)	1,033,530 (994,649)
Oil	2009-2050	n/a	309* (471)	62,401* (93,492)	316,619 (271,786)	346,158 (313,019)	382,409 (335,512)	402,849 (362,114)	404,515 (402,527)	182,376 (210,804)	45,935* (70,094)	244,193 (242,193)
Propane	2009-2050	n/a	2,498* (3,894)	11,576 (12,052)	37,313 (45,286)	46,777 (54,591)	46,620 (55,281)	49,603 (61,046)	53,669* (71,382)	26,643* (38,622)	9,278* (13,875)	33,045* (43,382)
Kerosene	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	2010-2036	n/a	-	1,197* (1,868)	1,311* (2,045)	3,494 (3,420)	3,515 (3,426)	3,615 (3,453)	3,902 (3,559)	3,024 (3,070)	-	3,407 (3,217)
Ethanol	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	2010-2035	n/a	-	568* (886)	1,195* (1,864)	832* (1,297)	776* (1,211)	776* (1,211)	776* (1,211)	701* (1,093)	-	772* (1,204)
Other	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Total	2009-2050	n/a	350,777* (488,477)	2,432,563 (2,093,872)	5,041,138 (4,157,986)	7,762,841 (4,765,291)	7,972,357 (4,878,292)	9,180,542 (5,780,192)	10,898,201 (8,008,876)	7,639,829 (6,929,742)	2,119,899 (1,980,444)	7,009,589 (5,163,502)

Note:



Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-701 **ARRA Period BPAC, Loans, Grants, and Incentives**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type
and Year, Row Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	-	0.8% (0.4%)	1.7% (0.9%)	2.6% (1.0%)	2.7% (1.0%)	21.7% (6.3%)	36.8% (0.7%)	26.3% (6.9%)	7.3% (2.6%)	100.0% (0.0%)
Natural Gas	n/a	0.7%* (0.9%)	0.9% (0.9%)	1.5% (1.1%)	2.4% (1.1%)	2.6% (1.1%)	20.9% (6.2%)	37.5% (1.2%)	26.3% (8.7%)	7.2% (2.7%)	100.0% (0.0%)
Oil	n/a	-	0.6%* (1.0%)	3.1% (0.8%)	3.4% (0.6%)	3.7% (0.8%)	27.5% (4.5%)	39.4% (1.3%)	17.8% (4.4%)	4.5% (3.3%)	100.0% (0.0%)
Propane	n/a	0.2%* (0.4%)	0.8%* (1.3%)	2.7% (0.4%)	3.4% (0.6%)	3.4% (0.5%)	25.0% (2.4%)	38.7% (1.0%)	19.2% (3.1%)	6.7% (1.4%)	100.0% (0.0%)
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	1.3%* (1.6%)	1.4%* (1.8%)	3.8% (0.3%)	3.8% (0.3%)	27.5% (0.7%)	42.4% (3.6%)	19.7% (3.8%)	-	100.0% (0.0%)
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	2.8% (0.0%)	6.0% (0.0%)	4.1% (0.0%)	3.9% (0.0%)	27.1% (0.0%)	38.7% (0.0%)	17.5% (0.0%)	-	100.0% (0.0%)
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	0.1% (0.1%)	0.8% (0.5%)	1.7% (0.9%)	2.6% (1.0%)	2.7% (1.0%)	21.8% (6.1%)	37.0% (0.6%)	26.0% (7.0%)	7.2% (2.4%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-702 **ARRA Period BPAC, Loans, Grants, and Incentives**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type
and Year, Column Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	18.2% (3.2%)	80.0% (4.8%)	79.9% (4.1%)	81.2% (4.9%)	80.7% (4.8%)	80.9% (4.5%)	80.8% (4.0%)	82.3% (4.3%)	82.6% (6.3%)	81.3% (4.0%)
Natural Gas	n/a	81.0% (4.1%)	16.9% (4.6%)	13.0% (2.8%)	13.6% (5.0%)	13.9% (4.9%)	14.1% (5.0%)	14.9% (4.7%)	14.9% (5.4%)	14.8% (6.3%)	14.7% (4.8%)
Oil	n/a	0.1% (0.0%)	2.6%* (4.2%)	6.3% (3.3%)	4.5% (2.6%)	4.8% (2.9%)	4.4% (2.8%)	3.7% (3.3%)	2.4% (2.9%)	2.2%* (3.3%)	3.5% (3.0%)
Propane	n/a	0.7%* (1.4%)	0.5% (0.6%)	0.7% (0.4%)	0.6% (0.4%)	0.6% (0.4%)	0.5% (0.4%)	0.5% (0.5%)	0.3%* (0.5%)	0.4%* (0.7%)	0.5% (0.5%)
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-703 **ARRA Period BPAC, Loans, Grants, and Incentives**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and
Year, Total Estimates, in Site MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	291,430* (413,745)	726,789 (877,869)	1,360,328* (1,725,717)	1,469,595 (1,835,792)	1,489,927* (1,870,159)	11,730,081 (14,565,425)	17,768,779 (21,182,690)	10,733,102 (12,282,575)	3,141,817 (3,512,125)	48,711,848 (57,792,012)
Commercial	n/a	1,814 (2,014)	24,393 (25,928)	102,994 (70,629)	134,453 (93,806)	135,612 (94,790)	1,068,216 (778,472)	3,195,430 (3,594,444)	4,070,412* (5,613,986)	1,099,810* (1,612,318)	9,833,133 (11,579,829)
Industrial	n/a	-	2,385* (3,594)	26,403 (31,994)	289,166* (384,245)	322,851 (390,202)	2,253,440 (2,730,482)	2,024,500 (2,388,958)	326,420 (291,710)	162,013* (234,854)	5,407,179 (6,415,829)
Public Institutional	n/a	88* (134)	288,428 (241,480)	634,922 (438,846)	1,332,774 (1,115,857)	1,398,181 (1,152,073)	11,878,932 (10,983,998)	22,955,136 (26,078,402)	16,484,976* (22,081,732)	4,380,524* (6,314,601)	59,353,959 (68,116,017)
Private Institutional	n/a	-	8,461* (11,306)	60,402 (72,327)	67,157 (77,228)	67,004 (77,161)	455,032 (529,671)	562,227* (726,034)	204,138* (318,182)	-	1,424,422* (1,800,016)
Total	n/a	293,332* (413,873)	1,050,457 (912,629)	2,185,048 (1,792,470)	3,293,145 (2,111,117)	3,413,575 (2,159,288)	27,385,700 (17,963,551)	46,506,073 (35,512,747)	31,819,048 (30,170,842)	8,784,164 (8,567,380)	124,730,542 (95,938,392)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

Table K-704 **ARRA Period BPAC, Loans, Grants, and Incentives**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and
Year, Total Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	346,754* (488,292)	1,599,502 (1,991,227)	3,138,196* (3,975,556)	3,381,938 (4,145,808)	3,426,557 (4,224,186)	27,311,534 (32,945,588)	41,686,849 (46,857,460)	26,980,027 (28,451,808)	7,822,529 (8,332,630)	115,693,886 (129,194,032)
Commercial	n/a	3,731 (4,479)	40,701 (37,804)	232,088 (174,074)	335,827 (251,149)	339,621 (254,035)	2,714,332 (2,091,339)	8,468,727 (9,531,690)	10,936,005* (14,820,355)	2,936,471* (4,275,001)	26,007,503 (30,658,702)
Industrial	n/a	-	7,967* (12,004)	69,209* (94,201)	898,702* (1,271,282)	933,958* (1,273,269)	6,529,466* (8,912,496)	5,780,601* (7,731,220)	842,651 (861,750)	541,100* (784,381)	15,603,653* (20,878,394)
Public Institutional	n/a	292* (446)	757,564 (647,284)	1,428,904 (1,119,597)	2,959,300 (2,556,985)	3,085,369 (2,655,212)	26,428,957 (25,101,316)	51,358,091 (59,218,604)	36,961,357* (48,858,954)	9,898,891* (14,059,373)	132,878,726 (153,704,046)
Private Institutional	n/a	-	26,828* (35,570)	172,741* (232,661)	187,074* (239,918)	186,852* (239,872)	1,279,504* (1,654,841)	1,687,743* (2,330,497)	678,248* (1,057,150)	-	4,218,990* (5,779,604)
Total	n/a	350,777* (488,477)	2,432,563 (2,093,872)	5,041,138 (4,157,986)	7,762,841 (4,765,291)	7,972,357 (4,878,292)	64,263,793 (40,461,343)	108,982,010 (80,088,760)	76,398,288 (69,297,425)	21,198,991 (19,804,438)	294,402,758 (216,867,096)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.



Table K-705 **ARRA Period BPAC, Loans, Grants, and Incentives**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and
Year, Average per Year Estimates, in Site MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	2009-2050	n/a	291,430* (413,745)	726,789 (877,869)	1,360,328* (1,725,717)	1,469,595 (1,835,792)	1,489,927* (1,870,159)	1,675,726 (2,080,775)	1,776,878 (2,118,269)	1,073,310 (1,228,258)	314,182 (351,212)	1,159,806 (1,376,000)
Commercial	2009-2050	n/a	1,814 (2,014)	24,393 (25,928)	102,994 (70,629)	134,453 (93,806)	135,612 (94,790)	152,602 (111,210)	319,543 (359,444)	407,041* (561,399)	109,981* (161,232)	234,122 (275,710)
Industrial	2010-2050	n/a	-	2,385* (3,594)	26,403 (31,994)	289,166* (384,245)	322,851 (390,202)	321,920 (390,069)	202,450 (238,896)	32,642 (29,171)	16,201* (23,485)	131,882 (156,484)
Public Institutional	2009-2050	n/a	88* (134)	288,428 (241,480)	634,922 (438,846)	1,332,774 (1,115,857)	1,398,181 (1,152,073)	1,696,990 (1,569,143)	2,295,514 (2,607,840)	1,648,498* (2,208,173)	438,052* (631,460)	1,413,190 (1,621,810)
Private Institutional	2010-2036	n/a	-	8,461* (11,306)	60,402 (72,327)	67,157 (77,228)	67,004 (77,161)	65,005 (75,667)	56,223* (72,603)	34,023* (53,030)	-	52,756* (66,667)
Total	2009-2050	n/a	293,332* (413,873)	1,050,457 (912,629)	2,185,048 (1,792,470)	3,293,145 (2,111,117)	3,413,575 (2,159,288)	3,912,243 (2,566,222)	4,650,607 (3,551,275)	3,181,905 (3,017,084)	878,416 (856,738)	2,969,775 (2,284,247)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-706 **ARRA Period BPAC, Loans, Grants, and Incentives**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and
Year, Average per Year Estimates, in Source MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	2009-2050	n/a	346,754* (488,292)	1,599,502 (1,991,227)	3,138,196* (3,975,556)	3,381,938 (4,145,808)	3,426,557 (4,224,186)	3,901,648 (4,706,513)	4,168,685 (4,685,746)	2,698,003 (2,845,181)	782,253 (833,263)	2,754,616 (3,076,048)
Commercial	2009-2050	n/a	3,731 (4,479)	40,701 (37,804)	232,088 (174,074)	335,827 (251,149)	339,621 (254,035)	387,762 (298,763)	846,873 (953,169)	1,093,601* (1,482,036)	293,647* (427,500)	619,226 (729,969)
Industrial	2010-2050	n/a	-	7,967* (12,004)	69,209* (94,201)	898,702* (1,271,282)	933,958* (1,273,269)	932,781* (1,273,214)	578,060* (773,122)	84,265 (86,175)	54,110* (78,438)	380,577* (509,229)
Public Institutional	2009-2050	n/a	292* (446)	757,564 (647,284)	1,428,904 (1,119,597)	2,959,300 (2,556,985)	3,085,369 (2,655,212)	3,775,565 (3,585,902)	5,135,809 (5,921,860)	3,696,136* (4,885,895)	989,889* (1,405,937)	3,163,779 (3,659,620)
Private Institutional	2010-2036	n/a	-	26,828* (35,570)	172,741* (232,661)	187,074* (239,918)	186,852* (239,872)	182,786* (236,406)	168,774* (233,050)	113,041* (176,192)	-	156,259* (214,059)
Total	2009-2050	n/a	350,777* (488,477)	2,432,563 (2,093,872)	5,041,138 (4,157,986)	7,762,841 (4,765,291)	7,972,357 (4,878,292)	9,180,542 (5,780,192)	10,898,201 (8,008,876)	7,639,829 (6,929,742)	2,119,899 (1,980,444)	7,009,589 (5,163,502)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.



Table K-707 **ARRA Period BPAC, Loans, Grants, and Incentives**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and
Year, Row Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	0.3% (0.1%)	1.4% (0.4%)	2.7% (0.8%)	2.9% (0.8%)	3.0% (0.8%)	23.6% (4.8%)	36.0% (0.9%)	23.3% (5.0%)	6.8% (3.5%)	100.0% (0.0%)
Commercial	n/a	-	0.2%* (0.2%)	0.9% (0.7%)	1.3% (1.2%)	1.3% (1.2%)	10.4% (7.4%)	32.6% (2.4%)	42.0% (9.0%)	11.3% (4.0%)	100.0% (0.0%)
Industrial	n/a	-	0.1% (0.0%)	0.4% (0.1%)	5.8% (0.6%)	6.0% (0.2%)	41.8% (1.7%)	37.0% (0.3%)	5.4% (2.8%)	3.5% (0.5%)	100.0% (0.0%)
Public Institutional	n/a	-	0.6% (0.3%)	1.1% (0.5%)	2.2% (0.8%)	2.3% (0.8%)	19.9% (4.7%)	38.7% (0.5%)	27.8% (5.1%)	7.4% (2.2%)	100.0% (0.0%)
Private Institutional	n/a	-	0.6% (0.1%)	4.1% (0.2%)	4.4% (0.6%)	4.4% (0.6%)	30.3% (3.4%)	40.0% (1.0%)	16.1% (3.9%)	-	100.0% (0.0%)
Total	n/a	0.1% (0.1%)	0.8% (0.5%)	1.7% (0.9%)	2.6% (1.0%)	2.7% (1.0%)	21.8% (6.1%)	37.0% (0.6%)	26.0% (7.0%)	7.2% (2.4%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-708 **ARRA Period BPAC, Loans, Grants, and Incentives**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and Year, Column Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	98.9% (2.0%)	65.8% (33.0%)	62.3% (33.3%)	43.6% (32.9%)	43.0% (32.9%)	42.5% (33.3%)	38.3% (35.0%)	35.3% (37.9%)	36.9% (39.9%)	39.3% (35.4%)
Commercial	n/a	1.1%* (1.9%)	1.7% (2.0%)	4.6% (4.5%)	4.3% (3.6%)	4.3% (3.5%)	4.2% (3.2%)	7.8% (5.5%)	14.3% (9.4%)	13.9% (10.0%)	8.8% (6.6%)
Industrial	n/a	-	0.3%* (0.6%)	1.4%* (2.3%)	11.6%* (17.9%)	11.7%* (17.6%)	10.2%* (15.9%)	5.3%* (9.1%)	1.1%* (1.8%)	2.6%* (5.2%)	5.3%* (9.1%)
Public Institutional	n/a	0.1%* (0.2%)	31.1% (31.5%)	28.3% (27.3%)	38.1% (31.2%)	38.7% (31.3%)	41.1% (33.1%)	47.1% (33.4%)	48.4% (29.9%)	46.7% (32.6%)	45.1% (32.5%)
Private Institutional	n/a	-	1.1%* (1.7%)	3.4%* (5.3%)	2.4%* (3.4%)	2.3%* (3.3%)	2.0%* (2.9%)	1.5%* (2.4%)	0.9%* (1.6%)	-	1.4%* (2.2%)
Total	n/a	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-709 **ARRA Period BPAC, Loans, Grants, and Incentives**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Total Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity, Units=MWh	8,307,348 (8,877,782)	2,010,844 (2,370,528)	1,271,242* (1,821,431)	9,054,221 (10,561,447)	349,391* (499,359)	20,993,045 (14,968,559)
Natural Gas, Units=KTherms	122,436* (171,470)	24,377* (34,879)	9,800* (12,625)	257,246* (325,943)	738 (751)	414,597 (399,000)
Oil, Units=KTherms	68,484* (93,315)	4,592 (5,001)	736* (1,129)	26,164* (34,940)	1,569* (2,141)	101,546 (100,714)
Propane, Units=KTherms	12,740* (18,010)	229 (193)	7* (11)	750 (897)	15* (21)	13,742* (18,040)
Kerosene, Units=KTherms	n/a	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	-	-	-
Diesel, Units=Site MMBtu	n/a	32,221* (50,264)	15,203* (20,750)	43,657* (66,617)	-	91,081 (85,993)
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	19,872* (31,001)	-	-	-	19,872* (31,001)
Other, Units=Site MMBtu	n/a	-	-	-	-	-

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Total, Units=Site MMBtu	48,711,848 (57,792,012)	9,833,133 (11,579,829)	5,407,179 (6,415,829)	59,353,959 (68,116,017)	1,424,422* (1,800,016)	124,730,542 (95,938,392)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-710 **ARRA Period BPAC, Loans, Grants, and Incentives**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Total Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	94,671,199 (101,171,918)	22,915,737 (27,014,726)	14,487,176* (20,757,177)	103,182,630 (120,359,095)	3,981,683* (5,690,737)	239,238,426 (170,582,899)
Natural Gas	12,819,014* (17,952,885)	2,552,277* (3,651,869)	1,026,030* (1,321,849)	26,933,651* (34,126,273)	77,295 (78,645)	43,408,267 (41,775,270)
Oil	6,916,929* (9,424,775)	463,742 (505,066)	74,352* (114,051)	2,642,569* (3,528,973)	158,504* (216,192)	10,256,097 (10,172,090)
Propane	1,286,743* (1,818,977)	23,134 (19,491)	740* (1,135)	75,781 (90,566)	1,507* (2,140)	1,387,905* (1,822,037)
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	-	-	-
Diesel	n/a	32,543* (50,766)	15,355* (20,957)	44,094* (67,283)	-	91,992 (86,853)
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	20,071* (31,311)	-	-	-	20,071* (31,311)
Other	n/a	-	-	-	-	-
Total	115,693,886 (129,194,032)	26,007,503 (30,658,702)	15,603,653* (20,878,394)	132,878,726 (153,704,046)	4,218,990* (5,779,604)	294,402,758 (216,867,096)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.



"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-711

ARRA Period BPAC, Loans, Grants, and Incentives

SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Average per Year Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity, Units=MWh	197,794 (211,376)	47,877 (56,441)	31,006* (44,425)	215,577 (251,463)	12,940* (18,495)	499,834 (356,394)
Natural Gas, Units=KTherms	2,915* (4,083)	580* (830)	426* (549)	6,274* (7,950)	34 (34)	9,871 (9,500)
Oil, Units=KTherms	1,631* (2,222)	184 (200)	49* (75)	934* (1,248)	78* (107)	2,418 (2,398)
Propane, Units=KTherms	303* (429)	9 (8)	1* (2)	18 (22)	1* (1)	327* (430)
Kerosene, Units=KTherms	n/a	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	-	-	-
Diesel, Units=Site MMBtu	n/a	1,239* (1,933)	724* (988)	1,746* (2,665)	-	3,373 (3,185)
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	764* (1,192)	-	-	-	764* (1,192)
Other, Units=Site MMBtu	n/a	-	-	-	-	-

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Total, Units=Site MMBtu	1,159,806 (1,376,000)	234,122 (275,710)	131,882 (156,484)	1,413,190 (1,621,810)	52,756* (66,667)	2,969,775 (2,284,247)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-712 **ARRA Period BPAC, Loans, Grants, and Incentives**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Average per Year Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	2,254,076 (2,408,855)	545,613 (643,208)	353,346* (506,273)	2,456,729 (2,865,693)	147,470* (210,768)	5,696,153 (4,061,498)
Natural Gas	305,215* (427,450)	60,768* (86,949)	44,610* (57,472)	656,918* (832,348)	3,513 (3,575)	1,033,530 (994,649)
Oil	164,689* (224,399)	18,550 (20,203)	4,957* (7,603)	94,377* (126,035)	7,925* (10,810)	244,193 (242,193)
Propane	30,637* (43,309)	925 (780)	123* (189)	1,848 (2,209)	75* (107)	33,045* (43,382)
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	-	-	-
Diesel	n/a	1,252* (1,953)	731* (998)	1,764* (2,691)	-	3,407 (3,217)
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	772* (1,204)	-	-	-	772* (1,204)
Other	n/a	-	-	-	-	-
Total	2,754,616 (3,076,048)	619,226 (729,969)	380,577* (509,229)	3,163,779 (3,659,620)	156,259* (214,059)	7,009,589 (5,163,502)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.



Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-713 **ARRA Period BPAC, Loans, Grants, and Incentives**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Row Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	39.6% (34.3%)	9.6% (7.3%)	6.1%* (10.8%)	43.1% (31.7%)	1.7%* (2.7%)	100.0% (0.0%)
Natural Gas	29.5%* (38.8%)	5.9% (4.2%)	2.4%* (3.8%)	62.0% (35.7%)	0.2%* (0.2%)	100.0% (0.0%)
Oil	67.4% (38.4%)	4.5%* (6.0%)	0.7%* (1.2%)	25.8%* (34.8%)	1.5%* (2.5%)	100.0% (0.0%)
Propane	92.7% (11.4%)	1.7%* (2.5%)	0.1%* (0.1%)	5.5%* (9.4%)	0.1%* (0.2%)	100.0% (0.0%)
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	-	-	-
Diesel	n/a	35.4%* (44.8%)	16.7%* (24.4%)	47.9% (47.6%)	-	100.0% (0.0%)
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	100.0% (0.0%)	-	-	-	100.0% (0.0%)
Other	n/a	-	-	-	-	-
Total	39.3% (35.4%)	8.8% (6.6%)	5.3%* (9.1%)	45.1% (32.5%)	1.4%* (2.2%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.



Table K-714 **ARRA Period BPAC, Loans, Grants, and Incentives**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Column Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	81.8% (7.4%)	88.1% (2.1%)	92.8% (12.0%)	77.7% (4.8%)	94.4% (7.8%)	81.3% (4.0%)
Natural Gas	11.1% (4.7%)	9.8% (3.1%)	6.6%* (11.4%)	20.3% (4.6%)	1.8% (1.1%)	14.7% (4.8%)
Oil	6.0% (2.4%)	1.8%* (2.8%)	0.5%* (1.0%)	2.0%* (3.6%)	3.8%* (6.9%)	3.5% (3.0%)
Propane	1.1% (0.5%)	0.1%* (0.1%)	-	0.1%* (0.1%)	-	0.5% (0.5%)
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	-	-	-
Diesel	n/a	0.1%* (0.2%)	0.1%* (0.2%)	-	-	-
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	0.1%* (0.2%)	-	-	-	-
Other	n/a	-	-	-	-	-
Total	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.



Table K-715 **ARRA Period BPAC, Loans, Grants, and Incentives**
SEP-Attributable Bill Savings by Fuel Type and Year, Total Estimates, in Thousand 2009 Dollars

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	\$588*	\$17,816	\$36,857	\$53,338	\$54,171	\$438,544	\$756,816	\$578,695	\$176,645	\$2,113,470
Natural Gas	n/a	\$3,334*	\$4,130	\$6,181	\$9,052	\$9,457	\$79,087	\$152,973	\$121,536	\$39,291	\$425,041
Oil	n/a	\$5*	\$1,143*	\$5,603	\$6,131	\$6,723	\$49,404	\$77,555	\$40,564	\$12,053*	\$199,182
Propane	n/a	\$58*	\$288	\$866	\$1,069	\$1,059	\$7,673	\$12,315*	\$6,624*	\$2,421*	\$32,373*
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	\$22*	\$25*	\$68	\$72	\$587	\$1,036	\$502	-	\$2,311
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	\$11*	\$24*	\$18*	\$17*	\$138*	\$217*	\$102*	-	\$529*
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	\$3,985*	\$23,410	\$49,556	\$69,676	\$71,500	\$575,434	\$1,000,913	\$748,022	\$230,411	\$2,772,906

Note:
Standard errors estimates are not reported.
"-" indicates estimate rounds to zero and is considered imprecise.
"*" indicates estimate exhibits low precision.
"n/a" indicates not applicable.
Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-716 **ARRA Period BPAC, Loans, Grants, and Incentives**
SEP-Attributable Bill Savings by Fuel Type and Year, Row Percent Estimates, in Thousand 2009 Dollars

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	-	0.8%	1.7%	2.5%	2.6%	20.7%	35.8%	27.4%	8.4%	100.0%
Natural Gas	n/a	0.8%*	1.0%	1.5%	2.1%	2.2%	18.6%	36.0%	28.6%	9.2%	100.0%
Oil	n/a	-	0.6%*	2.8%	3.1%	3.4%	24.8%	38.9%	20.4%	6.1%	100.0%
Propane	n/a	0.2%*	0.9%*	2.7%	3.3%	3.3%	23.7%	38.0%	20.5%	7.5%	100.0%
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	0.9%*	1.1%*	3.0%	3.1%	25.4%	44.8%	21.7%	-	100.0%
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	2.1%	4.6%	3.4%	3.3%	26.2%	41.1%	19.3%	-	100.0%
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	0.1%	0.8%	1.8%	2.5%	2.6%	20.8%	36.1%	27.0%	8.3%	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-717 **ARRA Period BPAC, Loans, Grants, and Incentives**
SEP-Attributable Bill Savings by Fuel Type and Year, Column Percent Estimates, in Thousand 2009 Dollars

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	14.7%	76.1%	74.4%	76.6%	75.8%	76.2%	75.6%	77.4%	76.7%	76.2%
Natural Gas	n/a	83.7%	17.6%	12.5%	13.0%	13.2%	13.7%	15.3%	16.2%	17.1%	15.3%
Oil	n/a	0.1%	4.9%*	11.3%	8.8%	9.4%	8.6%	7.7%	5.4%	5.2%*	7.2%
Propane	n/a	1.5%*	1.2%	1.7%	1.5%	1.5%	1.3%	1.2%	0.9%*	1.1%*	1.2%
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	0.1%*	-	0.1%	0.1%	0.1%	0.1%	0.1%*	-	0.1%
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-718

ARRA Period BPAC, Loans, Grants, and Incentives

SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Fuel Type and Year, SEP-Attributable Energy in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	n/a	\$105.05*	\$104.37	\$104.23	\$96.38	\$96.01	\$96.08	\$97.93	\$104.90	\$114.95	\$100.67
Natural Gas, Units=KTher ms	n/a	\$1,228.30*	\$1,050.83	\$987.95	\$894.85	\$892.76	\$914.74	\$983.46	\$1,114.60	\$1,312.25	\$1,025.19
Oil, Units=KTher ms	n/a	\$1,546.27*	\$1,850.47*	\$1,787.32	\$1,788.89	\$1,775.63	\$1,769.48	\$1,936.42	\$2,246.45	\$2,650.21*	\$1,961.51
Propane, Units=KTher ms	n/a	\$2,341.95*	\$2,513.10	\$2,344.84	\$2,307.46	\$2,294.83	\$2,231.79	\$2,317.62*	\$2,510.95*	\$2,635.88*	\$2,355.83*
Kerosene, Units=KTher ms	n/a	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Diesel, Units=Site MMBtu	n/a	-	\$18.29*	\$19.01*	\$19.77	\$20.55	\$23.44	\$26.82	\$27.91	-	\$25.38
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	-	\$19.71*	\$20.67*	\$21.68*	\$22.75*	\$25.71*	\$28.28*	\$29.41*	-	\$26.60*
Other, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Total, Units=Site	n/a	\$13.58*	\$22.29	\$22.68	\$21.16	\$20.95	\$21.01	\$21.52	\$23.51	\$26.23	\$22.23

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
MMBtu											

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-719

ARRA Period BPAC, Loans, Grants, and Incentives

SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Fuel Type and Year, SEP-Attributable Energy in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	\$9.22*	\$9.16	\$9.15	\$8.46	\$8.42	\$8.43	\$8.59	\$9.20	\$10.09	\$8.83
Natural Gas	n/a	\$11.73*	\$10.04	\$9.44	\$8.55	\$8.53	\$8.74	\$9.39	\$10.65	\$12.53	\$9.79
Oil	n/a	\$15.31*	\$18.32*	\$17.70	\$17.71	\$17.58	\$17.52	\$19.17	\$22.24	\$26.24*	\$19.42
Propane	n/a	\$23.19*	\$24.88	\$23.22	\$22.85	\$22.72	\$22.10	\$22.95*	\$24.86*	\$26.10*	\$23.33*
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	\$18.11*	\$18.83*	\$19.57	\$20.35	\$23.21	\$26.56	\$27.64	-	\$25.13
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	\$19.51*	\$20.47*	\$21.47*	\$22.52*	\$25.45*	\$28.00*	\$29.12*	-	\$26.34*
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	\$11.36*	\$9.62	\$9.83	\$8.98	\$8.97	\$8.95	\$9.18	\$9.79	\$10.87	\$9.42

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-720 **ARRA Period BPAC, Loans, Grants, and Incentives**
SEP-Attributable Bill Savings by Sector and Year, Total Estimates, in Thousand 2009 Dollars

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	\$3,948*	\$15,925	\$32,334*	\$35,063	\$35,465	\$285,784	\$466,609	\$329,828	\$109,685	\$1,314,641
Commercial	n/a	\$34	\$493	\$2,243	\$3,091	\$3,107	\$24,013	\$68,692	\$89,612*	\$26,052*	\$217,338
Industrial	n/a	-	\$46*	\$471*	\$5,158*	\$5,330*	\$36,460*	\$32,493*	\$5,375	\$3,593*	\$88,925*
Public Institutional	n/a	\$2*	\$6,717	\$12,975	\$24,723	\$25,969	\$218,245	\$419,277	\$317,794*	\$91,081*	\$1,116,783
Private Institutional	n/a	-	\$229*	\$1,534*	\$1,641*	\$1,630*	\$10,932*	\$13,844*	\$5,412*	-	\$35,220*
Total	n/a	\$3,985*	\$23,410	\$49,556	\$69,676	\$71,500	\$575,434	\$1,000,913	\$748,022	\$230,411	\$2,772,906

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-721 **ARRA Period BPAC, Loans, Grants, and Incentives**
SEP-Attributable Bill Savings by Sector and Year, Row Percent Estimates, in Thousand 2009 Dollars

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	0.3%	1.2%	2.5%	2.7%	2.7%	21.7%	35.5%	25.1%	8.3%	100.0%
Commercial	n/a	-	0.2%*	1.0%	1.4%	1.4%	11.0%	31.6%	41.2%	12.0%	100.0%
Industrial	n/a	-	0.1%	0.5%	5.8%	6.0%	41.0%	36.5%	6.0%	4.0%	100.0%
Public Institutional	n/a	-	0.6%	1.2%	2.2%	2.3%	19.5%	37.5%	28.5%	8.2%	100.0%
Private Institutional	n/a	-	0.6%	4.4%	4.7%	4.6%	31.0%	39.3%	15.4%	-	100.0%
Total	n/a	0.1%	0.8%	1.8%	2.5%	2.6%	20.8%	36.1%	27.0%	8.3%	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-722 **ARRA Period BPAC, Loans, Grants, and Incentives**
SEP-Attributable Bill Savings by Sector and Year, Column Percent Estimates, in Thousand 2009 Dollars

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	99.1%	68.0%	65.2%	50.3%	49.6%	49.7%	46.6%	44.1%	47.6%	47.4%
Commercial	n/a	0.9%*	2.1%	4.5%	4.4%	4.3%	4.2%	6.9%	12.0%	11.3%	7.8%
Industrial	n/a	-	0.2%*	1.0%*	7.4%*	7.5%*	6.3%*	3.2%*	0.7%*	1.6%*	3.2%*
Public Institutional	n/a	0.1%*	28.7%	26.2%	35.5%	36.3%	37.9%	41.9%	42.5%	39.5%	40.3%
Private Institutional	n/a	-	1.0%*	3.1%*	2.4%*	2.3%*	1.9%*	1.4%*	0.7%*	-	1.3%*
Total	n/a	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-723 **ARRA Period BPAC, Loans, Grants, and Incentives**
SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Sector and Year, SEP-Attributable Energy in Site MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	\$13.55*	\$21.91	\$23.77*	\$23.86	\$23.80*	\$24.36	\$26.26	\$30.73	\$34.91	\$26.99
Commercial	n/a	\$19.00	\$20.23	\$21.78	\$22.99	\$22.91	\$22.48	\$21.50	\$22.02*	\$23.69*	\$22.10
Industrial	n/a	-	\$19.19*	\$17.84	\$17.84*	\$16.51	\$16.18	\$16.05	\$16.47	\$22.18*	\$16.45
Public Institutional	n/a	\$24.55*	\$23.29	\$20.44	\$18.55	\$18.57	\$18.37	\$18.27	\$19.28*	\$20.79*	\$18.82
Private Institutional	n/a	-	\$27.01*	\$25.39	\$24.43	\$24.32	\$24.02	\$24.62*	\$26.51*	-	\$24.73*
Total	n/a	\$13.58*	\$22.29	\$22.68	\$21.16	\$20.95	\$21.01	\$21.52	\$23.51	\$26.23	\$22.23

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-724

ARRA Period BPAC, Loans, Grants, and Incentives

SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Sector and Year, SEP-Attributable Energy in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	\$11.39*	\$9.96	\$10.30*	\$10.37	\$10.35	\$10.46	\$11.19	\$12.22	\$14.02	\$11.36
Commercial	n/a	\$9.24	\$12.12	\$9.66	\$9.20	\$9.15	\$8.85	\$8.11	\$8.19*	\$8.87*	\$8.36
Industrial	n/a	-	\$5.75*	\$6.80*	\$5.74*	\$5.71*	\$5.58*	\$5.62*	\$6.38	\$6.64*	\$5.70*
Public Institutional	n/a	\$7.35*	\$8.87	\$9.08	\$8.35	\$8.42	\$8.26	\$8.16	\$8.60*	\$9.20*	\$8.40
Private Institutional	n/a	-	\$8.52*	\$8.88*	\$8.77*	\$8.72*	\$8.54*	\$8.20*	\$7.98*	-	\$8.35*
Total	n/a	\$11.36*	\$9.62	\$9.83	\$8.98	\$8.97	\$8.95	\$9.18	\$9.79	\$10.87	\$9.42

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-725 **ARRA Period BPAC, Loans, Grants, and Incentives**
SEP-Attributable Bill Savings by Fuel Type and Sector, Total Estimates, in Thousand 2009 Dollars

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	\$993,020	\$182,692	\$80,368*	\$825,584	\$31,806*	\$2,113,470
Natural Gas	\$149,117*	\$25,094*	\$6,920*	\$243,155*	\$756	\$425,041
Oil	\$142,525*	\$7,689	\$1,231*	\$45,110*	\$2,627*	\$199,182
Propane	\$29,979*	\$532	\$15*	\$1,814	\$32*	\$32,373*
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	-	-	-
Diesel	n/a	\$801*	\$392*	\$1,118*	-	\$2,311
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	\$529*	-	-	-	\$529*
Other	n/a	-	-	-	-	-
Total	\$1,314,641	\$217,338	\$88,925*	\$1,116,783	\$35,220*	\$2,772,906

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-726 **ARRA Period BPAC, Loans, Grants, and Incentives**
SEP-Attributable Bill Savings by Fuel Type and Sector, Row Percent Estimates, in Thousand 2009 Dollars

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	47.0%	8.6%	3.8%*	39.1%	1.5%*	100.0%
Natural Gas	35.1%*	5.9%	1.6%*	57.2%	0.2%*	100.0%
Oil	71.6%	3.9%*	0.6%*	22.6%*	1.3%*	100.0%
Propane	92.6%	1.6%*	-	5.6%*	0.1%*	100.0%
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	-	-	-
Diesel	n/a	34.7%*	17.0%*	48.4%	-	100.0%
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	100.0%	-	-	-	100.0%
Other	n/a	-	-	-	-	-
Total	47.4%	7.8%	3.2%*	40.3%	1.3%*	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-727 **ARRA Period BPAC, Loans, Grants, and Incentives**
SEP-Attributable Bill Savings by Fuel Type and Sector, Column Percent Estimates, in Thousand 2009 Dollars

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	75.5%	84.1%	90.4%	73.9%	90.3%	76.2%
Natural Gas	11.3%	11.5%	7.8%*	21.8%	2.1%	15.3%
Oil	10.8%	3.5%*	1.4%*	4.0%*	7.5%*	7.2%
Propane	2.3%	0.2%*	-	0.2%*	0.1%*	1.2%
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	-	-	-
Diesel	n/a	0.4%*	0.4%*	0.1%*	-	0.1%
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	0.2%*	-	-	-	-
Other	n/a	-	-	-	-	-
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-728

ARRA Period BPAC, Loans, Grants, and Incentives

SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Fuel Type and Sector, SEP-Attributable Energy in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity, Units=MWh	\$119.54	\$90.85	\$63.22*	\$91.18	\$91.03*	\$100.67
Natural Gas, Units=KTherms	\$1,217.92*	\$1,029.39*	\$706.12*	\$945.22*	\$1,023.40	\$1,025.19
Oil, Units=KTherms	\$2,081.12*	\$1,674.69	\$1,672.03*	\$1,724.14*	\$1,673.86*	\$1,961.51
Propane, Units=KTherms	\$2,353.17*	\$2,324.63	\$2,026.85*	\$2,418.31	\$2,132.15*	\$2,355.83*
Kerosene, Units=KTherms	n/a	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	-	-	-
Diesel, Units=Site MMBtu	n/a	\$24.87*	\$25.79*	\$25.61*	-	\$25.38
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	\$26.60*	-	-	-	\$26.60*
Other, Units=Site MMBtu	n/a	-	-	-	-	-
Total,	\$26.99	\$22.10	\$16.45	\$18.82	\$24.73*	\$22.23

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Units=Site MMBtu						

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-729 **ARRA Period BPAC, Loans, Grants, and Incentives**
SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Fuel Type and Sector, SEP-Attributable Energy in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	\$10.49	\$7.97	\$5.55*	\$8.00	\$7.99*	\$8.83
Natural Gas	\$11.63*	\$9.83*	\$6.74*	\$9.03*	\$9.77	\$9.79
Oil	\$20.61*	\$16.58	\$16.55*	\$17.07*	\$16.57*	\$19.42
Propane	\$23.30*	\$23.02	\$20.07*	\$23.94	\$21.11*	\$23.33*
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	-	-	-
Diesel	n/a	\$24.62*	\$25.53*	\$25.36*	-	\$25.13
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	\$26.34*	-	-	-	\$26.34*
Other	n/a	-	-	-	-	-
Total	\$11.36	\$8.36	\$5.70*	\$8.40	\$8.35*	\$9.42

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-730 **ARRA Period BPAC, Renewable Energy Market Development**
Overall Energy Savings by Fuel Type and Year, Total Estimates, in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	n/a	-	452* (702)	1,298 (1,214)	3,551* (6,599)	3,551* (6,599)	24,576* (45,766)	37,489* (62,000)	3,080* (4,782)	-	73,998* (126,774)
Natural Gas, Units=KTherms	n/a	-	30* (47)	34* (46)	511* (705)	511* (705)	3,576* (4,932)	3,234* (4,198)	16* (24)	-	7,912* (10,524)
Oil, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-
Propane, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-
Kerosene, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Diesel, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Other, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Total, Units=Site	n/a	-	4,560* (7,080)	7,860 (7,354)	63,201 (65,806)	63,201 (65,806)	441,437 (460,367)	451,359 (418,421)	12,068* (18,737)	-	1,043,686 (1,009,739)

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
MMBtu											)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-731 ARRA Period BPAC, Renewable Energy Market Development
Overall Energy Savings by Fuel Type and Year, Total Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	-	5,155* (8,004)	14,793 (13,831)	40,472* (75,201)	40,472* (75,201)	280,065* (521,555)	427,229* (706,560)	35,100* (54,496)	-	843,286* (1,444,731)
Natural Gas	n/a	-	3,158* (4,904)	3,592* (4,837)	53,484* (73,762)	53,484* (73,762)	374,389* (516,336)	338,642* (439,547)	1,632* (2,534)	-	828,381* (1,101,860)
Oil	n/a	-	-	-	-	-	-	-	-	-	-
Propane	n/a	-	-	-	-	-	-	-	-	-	-
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	8,314* (12,908)	18,385 (15,874)	93,956 (68,650)	93,956 (68,650)	654,453 (477,784)	765,871 (581,165)	36,732* (57,030)	-	1,671,667 (1,193,017)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.



Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-732 **ARRA Period BPAC, Renewable Energy Market Development**
Overall Energy Savings by Fuel Type and Year, Average per Year Estimates, in Original Site Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	2010-2031	n/a	-	452* (702)	1,298 (1,214)	3,551* (6,599)	3,551* (6,599)	3,511* (6,538)	3,749* (6,200)	3,080* (4,782)	-	3,364* (5,762)
Natural Gas, Units=KTherms	2010-2031	n/a	-	30* (47)	34* (46)	511* (705)	511* (705)	511* (705)	323* (420)	16* (24)	-	360* (478)
Oil, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Propane, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Kerosene, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Diesel, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Other, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Total,	2010-	n/a	-	4,560*	7,860	63,201	63,201	63,062	45,136	12,068*	-	47,440

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Units=Site MMBtu	2031			(7,080)	(7,354)	(65,806)	(65,806)	(65,767)	(41,842)	(18,737)		(45,897)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-733 ARRA Period BPAC, Renewable Energy Market Development
Overall Energy Savings by Fuel Type and Year, Average per Year Estimates, in Source MMBtu Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	2010-2031	n/a	-	5,155* (8,004)	14,793 (13,831)	40,472* (75,201)	40,472* (75,201)	40,009* (74,508)	42,723* (70,656)	35,100* (54,496)	-	38,331* (65,670)
Natural Gas	2010-2031	n/a	-	3,158* (4,904)	3,592* (4,837)	53,484* (73,762)	53,484* (73,762)	53,484* (73,762)	33,864* (43,955)	1,632* (2,534)	-	37,654* (50,085)
Oil	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Propane	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Kerosene	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Total	2010-2031	n/a	-	8,314* (12,908)	18,385 (15,874)	93,956 (68,650)	93,956 (68,650)	93,493 (68,255)	76,587 (58,117)	36,732* (57,030)	-	75,985 (54,228)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.



Table K-734 **ARRA Period BPAC, Renewable Energy Market Development**
Overall Energy Savings by Fuel Type and Year, Row Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	-	0.6%* (1.4%)	1.8% (1.5%)	4.8% (0.8%)	4.8% (0.8%)	33.2% (5.8%)	50.7% (4.2%)	4.2% (1.6%)	-	100.0% (0.0%)
Natural Gas	n/a	-	0.4%* (0.8%)	0.4%* (0.9%)	6.5% (0.4%)	6.5% (0.4%)	45.2% (2.7%)	40.9% (1.6%)	0.2%* (0.4%)	-	100.0% (0.0%)
Oil	n/a	-	-	-	-	-	-	-	-	-	-
Propane	n/a	-	-	-	-	-	-	-	-	-	-
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	0.5%* (0.9%)	1.1% (0.9%)	5.6% (0.8%)	5.6% (0.8%)	39.1% (5.6%)	45.8% (4.8%)	2.2% (2.1%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-735 **ARRA Period BPAC, Renewable Energy Market Development**
Overall Energy Savings by Fuel Type and Year, Column Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	-	62.0% (0.0%)	80.5% (19.8%)	43.1%* (65.8%)	43.1%* (65.8%)	42.8%* (65.8%)	55.8% (58.0%)	95.6% (0.0%)	-	50.4% (61.6%)
Natural Gas	n/a	-	38.0% (0.0%)	19.5% (19.8%)	56.9% (65.8%)	56.9% (65.8%)	57.2% (65.8%)	44.2%* (58.0%)	4.4% (0.0%)	-	49.6% (61.6%)
Oil	n/a	-	-	-	-	-	-	-	-	-	-
Propane	n/a	-	-	-	-	-	-	-	-	-	-
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-736 ARRA Period BPAC, Renewable Energy Market Development
Overall Renewable Generation by Fuel Type and Year, Total Estimates, in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated, Units=MWh	n/a	807,094* (1,985,438)	1,116,704* (2,741,056)	1,556,833* (3,639,830)	2,036,567* (4,766,900)	2,544,246* (5,999,178)	36,934,193* (88,449,099)	76,684,314* (184,213,097)	41,955,040* (100,073,010)	285,435* (668,749)	163,920,427* (392,051,129)
Methane Produced, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	n/a	-	-	32* (80)	64* (160)	96* (240)	1,568* (3,915)	3,519* (8,788)	2,368* (5,912)	96* (240)	7,743* (19,334)
Biodiesel Production, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol Production, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Other, Units=Site	n/a	-	-	-	-	-	-	-	-	-	-

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
MMBtu											
Total, Units=Site MMBtu	n/a	2,753,918* (6,774,592)	3,810,351* (9,352,866)	5,315,330* (12,419,49 6)	6,955,450* (16,265,10 8)	8,690,921* (20,469,70 8)	126,181,4 12* (301,795,4 77)	262,009,5 55* (628,549,2 09)	143,393,2 31* (341,455,3 12)	983,542* (2,281,647)	560,093,7 10* (1,337,707 ,599)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-737 ARRA Period BPAC, Renewable Energy Market Development
Overall Renewable Generation by Fuel Type and Year, Total Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	n/a	9,197,709* (22,626,209)	12,706,786* (31,237,944)	17,177,638* (41,497,835)	22,524,888* (54,346,016)	28,310,439* (68,389,482)	416,117,093* (1,008,134,135)	867,060,680* (2,099,539,518)	474,602,471* (1,140,560,656)	3,252,838* (7,621,115)	1,850,950,542* (4,468,426,714)
Methane Produced	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	-	3,350* (8,365)	6,700* (16,730)	10,049* (25,095)	164,141* (409,882)	368,480* (920,143)	247,887* (619,005)	10,049* (25,095)	810,656* (2,024,314)
Biodiesel Production	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol Production	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	9,197,709* (22,626,209)	12,706,786* (31,237,944)	17,180,988* (41,497,719)	22,531,587* (54,345,786)	28,320,489* (68,389,138)	416,281,234* (1,008,128,540)	867,429,160* (2,099,526,964)	474,850,358* (1,140,552,177)	3,262,887* (7,620,797)	1,851,761,198* (4,468,399,025)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.



Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-738

ARRA Period BPAC, Renewable Energy Market Development

Overall Renewable Generation by Fuel Type and Year, Average per Year Estimates, in Original Site Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated, Units=MWh	2009-2050	n/a	807,094* (1,985,438)	1,116,704* (2,741,056)	1,556,833* (3,639,830)	2,036,567* (4,766,900)	2,544,246* (5,999,178)	5,276,313* (12,635,586)	7,668,431* (18,421,310)	4,195,504* (10,007,301)	28,543* (66,875)	3,902,867* (9,334,551)
Methane Produced, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	2011-2042	n/a	-	-	32* (80)	64* (160)	96* (240)	224* (559)	352* (879)	237* (591)	48* (120)	242* (604)
Biodiesel Production, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol Production, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Other,	n/a	n/a	-	-	-	-	-	-	-	-	-	-

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Units=Site MMBtu												
Total, Units=Site MMBtu	2009-2050	n/a	2,753,918 [*] (6,774,592)	3,810,351 [*] (9,352,866)	5,315,330 [*] (12,419,496)	6,955,450 [*] (16,265,108)	8,690,921 [*] (20,469,708)	18,025,916 [*] (43,113,640)	26,200,956 [*] (62,854,921)	14,339,323 [*] (34,145,531)	98,354 [*] (228,165)	13,335,565 [*] (31,850,181)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-739 ARRA Period BPAC, Renewable Energy Market Development
Overall Renewable Generation by Fuel Type and Year, Average per Year Estimates, in Source MMBtu Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	2009-2050	n/a	9,197,709 [*] (22,626,209)	12,706,786 [*] (31,237,944)	17,177,638 [*] (41,497,835)	22,524,888 [*] (54,346,016)	28,310,439 [*] (68,389,482)	59,445,299 [*] (144,019,162)	86,706,068 [*] (209,953,952)	47,460,247 [*] (114,056,066)	325,284 [*] (762,112)	44,070,251 [*] (106,391,112)
Methane Produced	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	2011-2042	n/a	-	-	3,350 [*] (8,365)	6,700 [*] (16,730)	10,049 [*] (25,095)	23,449 [*] (58,555)	36,848 [*] (92,014)	24,789 [*] (61,901)	5,025 [*] (12,547)	25,333 [*] (63,260)
Biodiesel Production	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol Production	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Total	2009-2050	n/a	9,197,709 [*] (22,626,209)	12,706,786 [*] (31,237,944)	17,180,988 [*] (41,497,719)	22,531,587 [*] (54,345,786)	28,320,489 [*] (68,389,138)	59,468,748 [*] (144,018,363)	86,742,916 [*] (209,952,696)	47,485,036 [*] (114,055,218)	326,289 [*] (762,080)	44,089,552 [*] (106,390,453)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.



"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-740 **ARRA Period BPAC, Renewable Energy Market Development**
Overall Renewable Generation by Fuel Type and Year, Row Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	n/a	0.5% (0.0%)	0.7% (0.0%)	0.9% (0.0%)	1.2% (0.0%)	1.5% (0.0%)	22.5% (0.4%)	46.8% (0.5%)	25.6% (0.5%)	0.2%* (0.5%)	100.0% (0.0%)
Methane Produced	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	-	0.4% (0.0%)	0.8% (0.0%)	1.2% (0.0%)	20.2% (0.0%)	45.5% (0.0%)	30.6% (0.0%)	1.2% (0.0%)	100.0% (0.0%)
Biodiesel Production	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol Production	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	0.5% (0.0%)	0.7% (0.0%)	0.9% (0.0%)	1.2% (0.0%)	1.5% (0.0%)	22.5% (0.4%)	46.8% (0.5%)	25.6% (0.5%)	0.2%* (0.5%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-741 **ARRA Period BPAC, Renewable Energy Market Development**
Overall Renewable Generation by Fuel Type and Year, Column Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	n/a	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.1%)	100.0% (0.1%)	100.0% (0.1%)	100.0% (0.1%)	100.0% (0.1%)	99.9% (0.2%)	99.7% (1.1%)	100.0% (0.2%)
Methane Produced	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	-	-	-	-	-	-	0.1%* (0.2%)	0.3%* (1.1%)	-
Biodiesel Production	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol Production	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-742 **ARRA Period BPAC, Renewable Energy Market Development**
SEP-Attributable Energy Savings by Fuel Type and Year, Total Estimates, in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	n/a	-	452* (702)	1,298 (1,214)	4,480* (6,175)	4,480* (6,175)	31,074* (42,784)	43,059* (59,804)	3,080* (4,782)	-	87,922* (120,916)
Natural Gas, Units=KTher ms	n/a	-	30* (47)	34* (46)	50 (48)	50 (48)	349 (338)	469 (438)	16* (24)	-	998 (966)
Oil, Units=KTher ms	n/a	-	-	-	-	-	-	-	-	-	-
Propane, Units=KTher ms	n/a	-	-	-	-	-	-	-	-	-	-
Kerosene, Units=KTher ms	n/a	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Diesel, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Other, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Total, Units=Site	n/a	-	4,560* (7,080)	7,860 (7,354)	20,275 (23,124)	20,275 (23,124)	140,953 (160,319)	193,801 (226,318)	12,068* (18,737)	-	399,792 (453,372)

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
MMBtu											

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-743 **ARRA Period BPAC, Renewable Energy Market Development**
SEP-Attributable Energy Savings by Fuel Type and Year, Total Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	-	5,155* (8,004)	14,793 (13,831)	51,051* (70,367)	51,051* (70,367)	354,117* (487,575)	490,703* (681,534)	35,100* (54,496)	-	1,001,970* (1,377,966)
Natural Gas	n/a	-	3,158* (4,904)	3,592* (4,837)	5,224 (5,055)	5,224 (5,055)	36,567 (35,382)	49,081 (45,857)	1,632* (2,534)	-	104,478 (101,092)
Oil	n/a	-	-	-	-	-	-	-	-	-	-
Propane	n/a	-	-	-	-	-	-	-	-	-	-
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	8,314* (12,908)	18,385 (15,874)	56,274* (73,424)	56,274* (73,424)	390,684* (509,021)	539,784* (711,815)	36,732* (57,030)	-	1,106,448* (1,439,379)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.



Table K-744 **ARRA Period BPAC, Renewable Energy Market Development**
SEP-Attributable Energy Savings by Fuel Type and Year, Average per Year Estimates, in Original Site Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	2010-2031	n/a	-	452* (702)	1,298 (1,214)	4,480* (6,175)	4,480* (6,175)	4,439* (6,112)	4,306* (5,980)	3,080* (4,782)	-	3,996* (5,496)
Natural Gas, Units=KTherms	2010-2031	n/a	-	30* (47)	34* (46)	50 (48)	50 (48)	50 (48)	47 (44)	16* (24)	-	45 (44)
Oil, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Propane, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Kerosene, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Diesel, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Other, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Total,	2010-	n/a	-	4,560*	7,860	20,275	20,275	20,136	19,380	12,068*	-	18,172

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Units=Site MMBtu	2031			(7,080)	(7,354)	(23,124)	(23,124)	(22,903)	(22,632)	(18,737)		(20,608)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-745 ARRA Period BPAC, Renewable Energy Market Development
SEP-Attributable Energy Savings by Fuel Type and Year, Average per Year Estimates, in Source MMBtu Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	2010-2031	n/a	-	5,155* (8,004)	14,793 (13,831)	51,051* (70,367)	51,051* (70,367)	50,588* (69,654)	49,070* (68,153)	35,100* (54,496)	-	45,544* (62,635)
Natural Gas	2010-2031	n/a	-	3,158* (4,904)	3,592* (4,837)	5,224 (5,055)	5,224 (5,055)	5,224 (5,055)	4,908 (4,586)	1,632* (2,534)	-	4,749 (4,595)
Oil	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Propane	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Kerosene	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Total	2010-2031	n/a	-	8,314* (12,908)	18,385 (15,874)	56,274* (73,424)	56,274* (73,424)	55,812* (72,717)	53,978* (71,182)	36,732* (57,030)	-	50,293* (65,426)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.



Table K-746

ARRA Period BPAC, Renewable Energy Market Development

SEP-Attributable Energy Savings by Fuel Type and Year, Row Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	-	0.5%* (1.1%)	1.5% (0.9%)	5.1% (0.0%)	5.1% (0.0%)	35.3% (0.1%)	49.0% (1.0%)	3.5% (0.9%)	-	100.0% (0.0%)
Natural Gas	n/a	-	3.0% (2.8%)	3.4% (2.2%)	5.0% (0.0%)	5.0% (0.0%)	35.0% (0.0%)	47.0% (2.8%)	1.6%* (2.2%)	-	100.0% (0.0%)
Oil	n/a	-	-	-	-	-	-	-	-	-	-
Propane	n/a	-	-	-	-	-	-	-	-	-	-
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	0.8%* (1.5%)	1.7% (1.2%)	5.1% (0.0%)	5.1% (0.0%)	35.3% (0.1%)	48.8% (1.3%)	3.3% (1.2%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-747 **ARRA Period BPAC, Renewable Energy Market Development**
SEP-Attributable Energy Savings by Fuel Type and Year, Column Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	-	62.0% (0.0%)	80.5% (19.8%)	90.7% (10.1%)	90.7% (10.1%)	90.6% (10.1%)	90.9% (9.5%)	95.6% (0.0%)	-	90.6% (10.2%)
Natural Gas	n/a	-	38.0% (0.0%)	19.5% (19.8%)	9.3% (10.1%)	9.3% (10.1%)	9.4% (10.1%)	9.1% (9.5%)	4.4% (0.0%)	-	9.4% (10.2%)
Oil	n/a	-	-	-	-	-	-	-	-	-	-
Propane	n/a	-	-	-	-	-	-	-	-	-	-
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-748 **ARRA Period BPAC, Renewable Energy Market Development**
SEP-Attributable Energy Savings by Sector and Year, Total Estimates, in Site MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	-	3,300* (5,124)	15,715* (24,398)	15,715* (24,398)	109,033* (169,285)	152,760* (237,176)	12,068* (18,737)	-	308,590* (479,118)
Commercial	n/a	-	-	-	-	-	-	-	-	-	-
Industrial	n/a	-	-	-	-	-	-	-	-	-	-
Public Institutional	n/a	-	1,983* (3,078)	1,983* (3,078)	1,983* (3,078)	1,983* (3,078)	13,879* (21,548)	17,844* (27,704)	-	-	39,653* (61,566)
Private Institutional	n/a	-	2,577* (4,002)	2,577* (4,002)	2,577* (4,002)	2,577* (4,002)	18,042* (28,012)	23,197* (36,016)	-	-	51,549* (80,035)
Total	n/a	-	4,560* (7,080)	7,860 (7,354)	20,275 (23,124)	20,275 (23,124)	140,953 (160,319)	193,801 (226,318)	12,068* (18,737)	-	399,792 (453,372)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

Table K-749 ARRA Period BPAC, Renewable Energy Market Development
SEP-Attributable Energy Savings by Sector and Year, Total Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	-	10,072* (15,637)	47,961* (74,464)	47,961* (74,464)	332,488* (516,223)	464,960* (721,900)	36,732* (57,030)	-	940,174* (1,459,719)
Commercial	n/a	-	-	-	-	-	-	-	-	-	-
Industrial	n/a	-	-	-	-	-	-	-	-	-	-
Public Institutional	n/a	-	3,615* (5,612)	3,615* (5,612)	3,615* (5,612)	3,615* (5,612)	25,303* (39,285)	32,532* (50,509)	-	-	72,293* (112,243)
Private Institutional	n/a	-	4,699* (7,296)	4,699* (7,296)	4,699* (7,296)	4,699* (7,296)	32,893* (51,071)	42,292* (65,662)	-	-	93,981* (145,916)
Total	n/a	-	8,314* (12,908)	18,385 (15,874)	56,274* (73,424)	56,274* (73,424)	390,684* (509,021)	539,784* (711,815)	36,732* (57,030)	-	1,106,448* (1,439,379)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-750 ARRA Period BPAC, Renewable Energy Market Development
SEP-Attributable Energy Savings by Sector and Year, Average per Year Estimates, in Site MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	2011-2031	n/a	-	-	3,300* (5,124)	15,715* (24,398)	15,715* (24,398)	15,576* (24,184)	15,276* (23,718)	12,068* (18,737)	-	14,695* (22,815)
Commercial	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Industrial	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Public Institutional	2010-2029	n/a	-	1,983* (3,078)	1,983* (3,078)	1,983* (3,078)	1,983* (3,078)	1,983* (3,078)	1,983* (3,078)	-	-	1,983* (3,078)
Private Institutional	2010-2029	n/a	-	2,577* (4,002)	2,577* (4,002)	2,577* (4,002)	2,577* (4,002)	2,577* (4,002)	2,577* (4,002)	-	-	2,577* (4,002)
Total	2010-2031	n/a	-	4,560* (7,080)	7,860 (7,354)	20,275 (23,124)	20,275 (23,124)	20,136 (22,903)	19,380 (22,632)	12,068* (18,737)	-	18,172 (20,608)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-751 ARRA Period BPAC, Renewable Energy Market Development
SEP-Attributable Energy Savings by Sector and Year, Average per Year Estimates, in Source MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	2011-2031	n/a	-	-	10,072* (15,637)	47,961* (74,464)	47,961* (74,464)	47,498* (73,746)	46,496* (72,190)	36,732* (57,030)	-	44,770* (69,510)
Commercial	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Industrial	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Public Institutional	2010-2029	n/a	-	3,615* (5,612)	3,615* (5,612)	3,615* (5,612)	3,615* (5,612)	3,615* (5,612)	3,615* (5,612)	-	-	3,615* (5,612)
Private Institutional	2010-2029	n/a	-	4,699* (7,296)	4,699* (7,296)	4,699* (7,296)	4,699* (7,296)	4,699* (7,296)	4,699* (7,296)	-	-	4,699* (7,296)
Total	2010-2031	n/a	-	8,314* (12,908)	18,385 (15,874)	56,274* (73,424)	56,274* (73,424)	55,812* (72,717)	53,978* (71,182)	36,732* (57,030)	-	50,293* (65,426)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-752 **ARRA Period BPAC, Renewable Energy Market Development**
SEP-Attributable Energy Savings by Sector and Year, Row Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	-	1.1% (0.0%)	5.1% (0.0%)	5.1% (0.0%)	35.4% (0.0%)	49.5% (0.0%)	3.9% (0.0%)	-	100.0% (0.0%)
Commercial	n/a	-	-	-	-	-	-	-	-	-	-
Industrial	n/a	-	-	-	-	-	-	-	-	-	-
Public Institutional	n/a	-	5.0% (0.0%)	5.0% (0.0%)	5.0% (0.0%)	5.0% (0.0%)	35.0% (0.0%)	45.0% (0.0%)	-	-	100.0% (0.0%)
Private Institutional	n/a	-	5.0% (0.0%)	5.0% (0.0%)	5.0% (0.0%)	5.0% (0.0%)	35.0% (0.0%)	45.0% (0.0%)	-	-	100.0% (0.0%)
Total	n/a	-	0.8%* (1.5%)	1.7% (1.2%)	5.1% (0.0%)	5.1% (0.0%)	35.3% (0.1%)	48.8% (1.3%)	3.3% (1.2%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-753 **ARRA Period BPAC, Renewable Energy Market Development**
SEP-Attributable Energy Savings by Sector and Year, Column Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	-	54.8% (58.7%)	85.2% (29.9%)	85.2% (29.9%)	85.1% (30.1%)	86.1% (28.3%)	100.0% (0.0%)	-	85.0% (30.3%)
Commercial	n/a	-	-	-	-	-	-	-	-	-	-
Industrial	n/a	-	-	-	-	-	-	-	-	-	-
Public Institutional	n/a	-	43.5% (0.0%)	19.7%* (25.5%)	6.4%* (13.0%)	6.4%* (13.0%)	6.5%* (13.1%)	6.0%* (12.3%)	-	-	6.5%* (13.2%)
Private Institutional	n/a	-	56.5% (0.0%)	25.6%* (33.2%)	8.4%* (16.9%)	8.4%* (16.9%)	8.4%* (17.0%)	7.8%* (16.0%)	-	-	8.5%* (17.1%)
Total	n/a	-	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-754 ARRA Period BPAC, Renewable Energy Market Development
SEP-Attributable Energy Savings by Fuel Type and Sector, Total Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity, Units=MWh	78,875* (122,461)	-	-	3,934* (6,108)	5,114* (7,940)	87,922* (120,916)
Natural Gas, Units=KTherms	395* (613)	-	-	262* (407)	341* (529)	998 (966)
Oil, Units=KTherms	n/a	-	-	-	-	-
Propane, Units=KTherms	n/a	-	-	-	-	-
Kerosene, Units=KTherms	n/a	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	-	-	-
Diesel, Units=Site MMBtu	n/a	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	-	-	-	-	-
Other, Units=Site MMBtu	n/a	-	-	-	-	-
Total,	308,590*	-	-	39,653*	51,549*	399,792

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Units=Site MMBtu	(479,118)			(61,566)	(80,035)	(453,372)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-755 **ARRA Period BPAC, Renewable Energy Market Development**
SEP-Attributable Energy Savings by Fuel Type and Sector, Total Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	898,860* (1,395,576)	-	-	44,830* (69,604)	58,279* (90,485)	1,001,970* (1,377,966)
Natural Gas	41,313* (64,143)	-	-	27,463* (42,639)	35,702* (55,431)	104,478 (101,092)
Oil	n/a	-	-	-	-	-
Propane	n/a	-	-	-	-	-
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	-	-	-
Diesel	n/a	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	940,174* (1,459,719)	-	-	72,293* (112,243)	93,981* (145,916)	1,106,448* (1,439,379)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

""*"" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-756 **ARRA Period BPAC, Renewable Energy Market Development**
SEP-Attributable Energy Savings by Fuel Type and Sector, Average per Year Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity, Units=MWh	3,756* (5,831)	-	-	197* (305)	256* (397)	3,996* (5,496)
Natural Gas, Units=KTherms	19* (29)	-	-	13* (20)	17* (26)	45 (44)
Oil, Units=KTherms	n/a	-	-	-	-	-
Propane, Units=KTherms	n/a	-	-	-	-	-
Kerosene, Units=KTherms	n/a	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	-	-	-
Diesel, Units=Site MMBtu	n/a	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	-	-	-	-	-
Other, Units=Site MMBtu	n/a	-	-	-	-	-
Total,	14,695*	-	-	1,983*	2,577*	18,172

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Units=Site MMBtu	(22,815)			(3,078)	(4,002)	(20,608)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-757 **ARRA Period BPAC, Renewable Energy Market Development**
SEP-Attributable Energy Savings by Fuel Type and Sector, Average per Year Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	42,803* (66,456)	-	-	2,242* (3,480)	2,914* (4,524)	45,544* (62,635)
Natural Gas	1,967* (3,054)	-	-	1,373* (2,132)	1,785* (2,772)	4,749 (4,595)
Oil	n/a	-	-	-	-	-
Propane	n/a	-	-	-	-	-
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	-	-	-
Diesel	n/a	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	44,770* (69,510)	-	-	3,615* (5,612)	4,699* (7,296)	50,293* (65,426)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period. Estimates that round to zero during the impact period will not be displayed due to suppression.



Table K-758 **ARRA Period BPAC, Renewable Energy Market Development**
SEP-Attributable Energy Savings by Fuel Type and Sector, Row Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	89.7% (21.9%)	-	-	4.5%* (9.5%)	5.8%* (12.4%)	100.0% (0.0%)
Natural Gas	39.5%* (56.7%)	-	-	26.3% (24.7%)	34.2% (32.0%)	100.0% (0.0%)
Oil	n/a	-	-	-	-	-
Propane	n/a	-	-	-	-	-
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	-	-	-
Diesel	n/a	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	85.0% (30.3%)	-	-	6.5%* (13.2%)	8.5%* (17.1%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-759 **ARRA Period BPAC, Renewable Energy Market Development**
SEP-Attributable Energy Savings by Fuel Type and Sector, Column Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	95.6% (0.0%)	-	-	62.0% (0.0%)	62.0% (0.0%)	90.6% (10.2%)
Natural Gas	4.4% (0.0%)	-	-	38.0% (0.0%)	38.0% (0.0%)	9.4% (10.2%)
Oil	n/a	-	-	-	-	-
Propane	n/a	-	-	-	-	-
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	-	-	-
Diesel	n/a	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	100.0% (0.0%)	-	-	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-760 **ARRA Period BPAC, Renewable Energy Market Development**
SEP-Attributable Renewable Generation by Fuel Type and Year, Total Estimates, in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated, Units=MWh	n/a	807,094* (1,985,438)	1,116,704* (2,741,056)	1,511,335* (3,641,281)	1,991,069* (4,768,354)	2,498,748* (6,000,656)	36,615,711* (88,459,785)	76,229,339* (184,228,519)	41,727,553* (100,080,788)	285,435* (668,749)	162,782,988* (392,089,662)
Methane Produced, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	n/a	-	-	32* (80)	64* (160)	96* (240)	1,568* (3,915)	3,519* (8,788)	2,368* (5,912)	96* (240)	7,743* (19,334)
Biodiesel Production, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol Production, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Other, Units=Site	n/a	-	-	-	-	-	-	-	-	-	-

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
MMBtu											
Total, Units=Site MMBtu	n/a	2,753,918* (6,774,592)	3,810,351* (9,352,866)	5,160,086* (12,424,45 0)	6,800,206* (16,270,07 5)	8,535,677* (20,474,75 8)	125,094,7 04* (301,831,9 84)	260,457,1 15* (628,601,9 08)	142,617,0 10* (341,481,8 98)	983,542* (2,281,647)	556,212,6 10* (1,337,839 ,272)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-761 **ARRA Period BPAC, Renewable Energy Market Development**
SEP-Attributable Renewable Generation by Fuel Type and Year, Total Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	n/a	9,197,709* (22,626,209)	12,706,786* (31,237,944)	17,022,401* (41,503,037)	22,369,650* (54,351,231)	28,155,202* (68,394,727)	415,030,429* (1,008,171,260)	865,508,303* (2,099,592,794)	473,826,283* (1,140,587,508)	3,252,838* (7,621,115)	1,847,069,600* (4,468,560,108)
Methane Produced	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	-	3,350* (8,365)	6,700* (16,730)	10,049* (25,095)	164,141* (409,882)	368,480* (920,143)	247,887* (619,005)	10,049* (25,095)	810,656* (2,024,314)
Biodiesel Production	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol Production	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	9,197,709* (22,626,209)	12,706,786* (31,237,944)	17,025,751* (41,502,923)	22,376,350* (54,351,002)	28,165,251* (68,394,385)	415,194,570* (1,008,165,679)	865,876,783* (2,099,580,263)	474,074,170* (1,140,579,044)	3,262,887* (7,620,797)	1,847,880,257* (4,468,532,479)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.



Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-762 ARRA Period BPAC, Renewable Energy Market Development
SEP-Attributable Renewable Generation by Fuel Type and Year, Average per Year Estimates, in Original Site Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated, Units=MWh	2009-2050	n/a	807,094* (1,985,438)	1,116,704* (2,741,056)	1,511,335* (3,641,281)	1,991,069* (4,768,354)	2,498,748* (6,000,656)	5,230,816* (12,637,112)	7,622,934* (18,422,852)	4,172,755* (10,008,079)	28,543* (66,875)	3,875,785* (9,335,468)
Methane Produced, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	2011-2042	n/a	-	-	32* (80)	64* (160)	96* (240)	224* (559)	352* (879)	237* (591)	48* (120)	242* (604)
Biodiesel Production, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol Production, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Other,	n/a	n/a	-	-	-	-	-	-	-	-	-	-

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Units=Site MMBtu												
Total, Units=Site MMBtu	2009-2050	n/a	2,753,918 [*] (6,774,592)	3,810,351 [*] (9,352,866)	5,160,086 [*] (12,424,450)	6,800,206 [*] (16,270,075)	8,535,677 [*] (20,474,758)	17,870,672 [*] (43,118,855)	26,045,712 [*] (62,860,191)	14,261,701 [*] (34,148,190)	98,354 [*] (228,165)	13,243,157 [*] (31,853,316)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-763 ARRA Period BPAC, Renewable Energy Market Development
SEP-Attributable Renewable Generation by Fuel Type and Year, Average per Year Estimates, in Source MMBtu Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	2009-2050	n/a	9,197,709 [*] (22,626,209)	12,706,786 [*] (31,237,944)	17,022,401 [*] (41,503,037)	22,369,650 [*] (54,351,231)	28,155,202 [*] (68,394,727)	59,290,061 [*] (144,024,466)	86,550,830 [*] (209,959,279)	47,382,628 [*] (114,058,751)	325,284 [*] (762,112)	43,977,848 [*] (106,394,288)
Methane Produced	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	2011-2042	n/a	-	-	3,350 [*] (8,365)	6,700 [*] (16,730)	10,049 [*] (25,095)	23,449 [*] (58,555)	36,848 [*] (92,014)	24,789 [*] (61,901)	5,025 [*] (12,547)	25,333 [*] (63,260)
Biodiesel Production	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol Production	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Total	2009-2050	n/a	9,197,709 [*] (22,626,209)	12,706,786 [*] (31,237,944)	17,025,751 [*] (41,502,923)	22,376,350 [*] (54,351,002)	28,165,251 [*] (68,394,385)	59,313,510 [*] (144,023,668)	86,587,678 [*] (209,958,026)	47,407,417 [*] (114,057,904)	326,289 [*] (762,080)	43,997,149 [*] (106,393,630)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

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"*" indicates estimate exhibits low precision.



"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-764 ARRA Period BPAC, Renewable Energy Market Development
SEP-Attributable Renewable Generation by Fuel Type and Year, Row Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	n/a	0.5% (0.0%)	0.7% (0.0%)	0.9% (0.0%)	1.2% (0.0%)	1.5% (0.0%)	22.5% (0.4%)	46.9% (0.5%)	25.7% (0.5%)	0.2%* (0.5%)	100.0% (0.0%)
Methane Produced	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	-	0.4% (0.0%)	0.8% (0.0%)	1.2% (0.0%)	20.2% (0.0%)	45.5% (0.0%)	30.6% (0.0%)	1.2% (0.0%)	100.0% (0.0%)
Biodiesel Production	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol Production	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	0.5% (0.0%)	0.7% (0.0%)	0.9% (0.0%)	1.2% (0.0%)	1.5% (0.0%)	22.5% (0.4%)	46.9% (0.5%)	25.7% (0.5%)	0.2%* (0.5%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-765 **ARRA Period BPAC, Renewable Energy Market Development**
SEP-Attributable Renewable Generation by Fuel Type and Year, Column Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Renewable Electricity Generated	n/a	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.1%)	100.0% (0.1%)	100.0% (0.1%)	100.0% (0.1%)	100.0% (0.1%)	99.9% (0.2%)	99.7% (1.1%)	100.0% (0.2%)
Methane Produced	n/a	-	-	-	-	-	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	-	-	-	-	-	-	0.1%* (0.2%)	0.3%* (1.1%)	-
Biodiesel Production	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol Production	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-766 **ARRA Period BPAC, Renewable Energy Market Development**
SEP-Attributable Renewable Generation by Sector and Year, Total Estimates, in Site MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	-	-	-	-	-	-	-	-	-
Commercial	n/a	-	646* (1,003)	6,735* (10,457)	10,753* (16,694)	10,753* (16,694)	75,268* (116,861)	107,525* (166,944)	57,134* (88,707)	-	268,813* (417,361)
Industrial	n/a	2,753,918* (6,774,592)	3,802,118* (9,353,146)	5,074,231* (12,427,336)	6,663,134* (16,274,678)	8,398,606* (20,479,390)	124,135,203* (301,864,790)	259,086,401* (628,648,998)	141,888,671* (341,507,127)	983,542* (2,281,647)	552,785,824* (1,337,957,176)
Public Institutional	n/a	-	7,053* (10,950)	73,545* (114,187)	117,418* (182,303)	117,418* (182,303)	821,923* (1,276,123)	1,174,175* (1,823,032)	623,907* (968,682)	-	2,935,439* (4,557,581)
Private Institutional	n/a	-	535* (830)	5,575* (8,656)	8,901* (13,820)	8,901* (13,820)	62,310* (96,742)	89,014* (138,203)	47,298* (73,435)	-	222,534* (345,508)
Total	n/a	2,753,918* (6,774,592)	3,810,351* (9,352,866)	5,160,086* (12,424,450)	6,800,206* (16,270,075)	8,535,677* (20,474,758)	125,094,704* (301,831,984)	260,457,115* (628,601,908)	142,617,010* (341,481,898)	983,542* (2,281,647)	556,212,610* (1,337,839,272)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

Table K-767 **ARRA Period BPAC, Renewable Energy Market Development**
SEP-Attributable Renewable Generation by Sector and Year, Total Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	-	-	-	-	-	-	-	-	-
Commercial	n/a	-	646* (1,003)	6,735* (10,456)	10,752* (16,694)	10,752* (16,694)	75,265* (116,856)	107,521* (166,937)	57,132* (88,704)	-	268,802* (417,344)
Industrial	n/a	9,197,709* (22,626,209)	12,698,553* (31,238,224)	16,939,899* (41,505,844)	22,239,284* (54,355,673)	28,028,185* (68,399,069)	414,235,109* (1,008,198,643)	864,506,125* (2,099,627,491)	473,345,860* (1,140,604,338)	3,262,887* (7,620,797)	1,844,453,611* (4,468,650,803)
Public Institutional	n/a	-	7,053* (10,950)	73,542* (114,182)	117,413* (182,296)	117,413* (182,296)	821,889* (1,276,070)	1,174,127* (1,822,957)	623,882* (968,643)	-	2,935,318* (4,557,394)
Private Institutional	n/a	-	535* (830)	5,575* (8,656)	8,901* (13,820)	8,901* (13,820)	62,307* (96,738)	89,010* (138,198)	47,296* (73,432)	-	222,525* (345,494)
Total	n/a	9,197,709* (22,626,209)	12,706,786* (31,237,944)	17,025,751* (41,502,923)	22,376,350* (54,351,002)	28,165,251* (68,394,385)	415,194,570* (1,008,165,679)	865,876,783* (2,099,580,263)	474,074,170* (1,140,579,044)	3,262,887* (7,620,797)	1,847,880,257* (4,468,532,479)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-768 ARRA Period BPAC, Renewable Energy Market Development
SEP-Attributable Renewable Generation by Sector and Year, Average per Year Estimates, in Site MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Commercial	2010-2036	n/a	-	646* (1,003)	6,735* (10,457)	10,753* (16,694)	10,753* (16,694)	10,753* (16,694)	10,753* (16,694)	9,522* (14,785)	-	9,956* (15,458)
Industrial	2009-2050	n/a	2,753,918* (6,774,592)	3,802,118* (9,353,146)	5,074,231* (12,427,336)	6,663,134* (16,274,678)	8,398,606* (20,479,390)	17,733,600* (43,123,541)	25,908,640* (62,864,900)	14,188,867* (34,150,713)	98,354* (228,165)	13,161,567* (31,856,123)
Public Institutional	2010-2036	n/a	-	7,053* (10,950)	73,545* (114,187)	117,418* (182,303)	117,418* (182,303)	117,418* (182,303)	117,418* (182,303)	103,985* (161,447)	-	108,720* (168,799)
Private Institutional	2010-2036	n/a	-	535* (830)	5,575* (8,656)	8,901* (13,820)	8,901* (13,820)	8,901* (13,820)	8,901* (13,820)	7,883* (12,239)	-	8,242* (12,797)
Total	2009-2050	n/a	2,753,918* (6,774,592)	3,810,351* (9,352,866)	5,160,086* (12,424,450)	6,800,206* (16,270,075)	8,535,677* (20,474,758)	17,870,672* (43,118,855)	26,045,712* (62,860,191)	14,261,701* (34,148,190)	98,354* (228,165)	13,243,157* (31,853,316)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-769 ARRA Period BPAC, Renewable Energy Market Development
SEP-Attributable Renewable Generation by Sector and Year, Average per Year Estimates, in Source MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Commercial	2010-2036	n/a	-	646* (1,003)	6,735* (10,456)	10,752* (16,694)	10,752* (16,694)	10,752* (16,694)	10,752* (16,694)	9,522* (14,784)	-	9,956* (15,457)
Industrial	2009-2050	n/a	9,197,709* (22,626,209)	12,698,553* (31,238,224)	16,939,899* (41,505,844)	22,239,284* (54,355,673)	28,028,185* (68,399,069)	59,176,444* (144,028,378)	86,450,613* (209,962,749)	47,334,586* (114,060,434)	326,289* (762,080)	43,915,562* (106,396,448)
Public Institutional	2010-2036	n/a	-	7,053* (10,950)	73,542* (114,182)	117,413* (182,296)	117,413* (182,296)	117,413* (182,296)	117,413* (182,296)	103,980* (161,440)	-	108,715* (168,792)
Private Institutional	2010-2036	n/a	-	535* (830)	5,575* (8,656)	8,901* (13,820)	8,901* (13,820)	8,901* (13,820)	8,901* (13,820)	7,883* (12,239)	-	8,242* (12,796)
Total	2009-2050	n/a	9,197,709* (22,626,209)	12,706,786* (31,237,944)	17,025,751* (41,502,923)	22,376,350* (54,351,002)	28,165,251* (68,394,385)	59,313,510* (144,023,668)	86,587,678* (209,958,026)	47,407,417* (114,057,904)	326,289* (762,080)	43,997,149* (106,393,630)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-770 **ARRA Period BPAC, Renewable Energy Market Development**
SEP-Attributable Renewable Generation by Sector and Year, Row Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	-	-	-	-	-	-	-	-	-
Commercial	n/a	-	0.2% (0.0%)	2.5% (0.0%)	4.0% (0.0%)	4.0% (0.0%)	28.0% (0.0%)	40.0% (0.0%)	21.3% (0.0%)	-	100.0% (0.0%)
Industrial	n/a	0.5% (0.0%)	0.7% (0.0%)	0.9% (0.0%)	1.2% (0.0%)	1.5% (0.0%)	22.5% (0.4%)	46.9% (0.5%)	25.7% (0.5%)	0.2%* (0.5%)	100.0% (0.0%)
Public Institutional	n/a	-	0.2% (0.0%)	2.5% (0.0%)	4.0% (0.0%)	4.0% (0.0%)	28.0% (0.0%)	40.0% (0.0%)	21.3% (0.0%)	-	100.0% (0.0%)
Private Institutional	n/a	-	0.2% (0.0%)	2.5% (0.0%)	4.0% (0.0%)	4.0% (0.0%)	28.0% (0.0%)	40.0% (0.0%)	21.3% (0.0%)	-	100.0% (0.0%)
Total	n/a	0.5% (0.0%)	0.7% (0.0%)	0.9% (0.0%)	1.2% (0.0%)	1.5% (0.0%)	22.5% (0.4%)	46.9% (0.5%)	25.7% (0.5%)	0.2%* (0.5%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-771 **ARRA Period BPAC, Renewable Energy Market Development**
SEP-Attributable Renewable Generation by Sector and Year, Column Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	-	-	-	-	-	-	-	-	-
Commercial	n/a	-	-	-	-	-	-	-	-	-	-
Industrial	n/a	100.0% (0.0%)	99.9% (0.2%)	99.5% (1.3%)	99.4% (1.5%)	99.5% (1.2%)	99.8% (0.6%)	99.8% (0.4%)	99.8% (0.4%)	100.0% (0.0%)	99.8% (0.5%)
Public Institutional	n/a	-	0.1%* (0.1%)	0.4%* (1.1%)	0.5%* (1.3%)	0.4%* (1.0%)	0.2%* (0.5%)	0.1%* (0.3%)	0.1%* (0.3%)	-	0.2%* (0.4%)
Private Institutional	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-772

ARRA Period BPAC, Renewable Energy Market Development
SEP-Attributable Renewable Generation by Fuel Type and Sector, Total Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated, Units=MWh	n/a	78,781* (122,316)	161,778,695* (392,124,167)	860,293* (1,335,696)	65,218* (101,258)	162,782,988* (392,089,662)
Methane Produced, Units=KTherms	n/a	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	n/a	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	n/a	-	7,743* (19,334)	-	-	7,743* (19,334)
Biodiesel Production, Units=KTherms	n/a	-	-	-	-	-
Ethanol Production, Units=Site MMBtu	n/a	-	-	-	-	-
Other,	n/a	-	-	-	-	-

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Units=Site MMBtu						
Total, Units=Site MMBtu	n/a	268,813* (417,361)	552,019,300* (1,337,982,288)	2,935,439* (4,557,581)	222,534* (345,508)	555,446,086* (1,337,864,550)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-773 **ARRA Period BPAC, Renewable Energy Market Development**
SEP-Attributable Renewable Generation by Fuel Type and Sector, Total Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated	n/a	268,802* (417,344)	1,843,642,955* (4,468,678,380)	2,935,318* (4,557,394)	222,525* (345,494)	1,847,069,600* (4,468,560,108)
Methane Produced	n/a	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	810,656* (2,024,314)	-	-	810,656* (2,024,314)
Biodiesel Production	n/a	-	-	-	-	-
Ethanol Production	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	n/a	268,802* (417,344)	1,844,453,611* (4,468,650,803)	2,935,318* (4,557,394)	222,525* (345,494)	1,847,880,257* (4,468,532,479)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.



"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-774 **ARRA Period BPAC, Renewable Energy Market Development**
SEP-Attributable Renewable Generation by Fuel Type and Sector, Average per Year Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated, Units=MWh	n/a	2,918* (4,530)	3,851,874* (9,336,290)	31,863* (49,470)	2,415* (3,750)	3,875,785* (9,335,468)
Methane Produced, Units=KTherms	n/a	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced, Units=KTherms	n/a	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced, Units=KTherms	n/a	-	242* (604)	-	-	242* (604)
Biodiesel Production, Units=KTherms	n/a	-	-	-	-	-
Ethanol Production, Units=Site MMBtu	n/a	-	-	-	-	-
Other,	n/a	-	-	-	-	-

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Units=Site MMBtu						
Total, Units=Site MMBtu	n/a	9,956* (15,458)	13,143,317* (31,856,721)	108,720* (168,799)	8,242* (12,797)	13,224,907* (31,853,918)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-775 ARRA Period BPAC, Renewable Energy Market Development
SEP-Attributable Renewable Generation by Fuel Type and Sector, Average per Year Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated	n/a	9,956* (15,457)	43,896,261* (106,397,104)	108,715* (168,792)	8,242* (12,796)	43,977,848* (106,394,288)
Methane Produced	n/a	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	25,333* (63,260)	-	-	25,333* (63,260)
Biodiesel Production	n/a	-	-	-	-	-
Ethanol Production	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	n/a	9,956* (15,457)	43,915,562* (106,396,448)	108,715* (168,792)	8,242* (12,796)	43,997,149* (106,393,630)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.



Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-776 ARRA Period BPAC, Renewable Energy Market Development
SEP-Attributable Renewable Generation by Fuel Type and Sector, Row Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated	n/a	-	99.8% (0.5%)	0.2%* (0.4%)	-	100.0% (0.0%)
Methane Produced	n/a	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	100.0% (0.0%)	-	-	100.0% (0.0%)
Biodiesel Production	n/a	-	-	-	-	-
Ethanol Production	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	n/a	-	99.8% (0.5%)	0.2%* (0.4%)	-	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

""*"" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-777 **ARRA Period BPAC, Renewable Energy Market Development**
SEP-Attributable Renewable Generation by Fuel Type and Sector, Column Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Renewable Electricity Generated	n/a	100.0% (0.0%)	100.0% (0.2%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.2%)
Methane Produced	n/a	-	-	-	-	-
Landfill Gas [50% CH4/50% CO2] Produced	n/a	-	-	-	-	-
Digester Gas [Sewage or Biogas] Produced	n/a	-	-	-	-	-
Biodiesel Production	n/a	-	-	-	-	-
Ethanol Production	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	n/a	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-778 **ARRA Period BPAC, Renewable Energy Market Development**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type
and Year, Total Estimates, in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	n/a	-	2,865* (4,449)	26,460* (39,571)	44,651* (62,337)	44,651* (62,337)	312,275* (436,387)	444,776* (622,808)	216,535* (330,649)	-	1,092,215* (1,557,595)
Natural Gas, Units=KTherms	n/a	-	30* (47)	66 (80)	114* (158)	146* (238)	1,917* (3,904)	3,988* (8,773)	2,383* (5,912)	96* (240)	8,741* (19,302)
Oil, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-
Propane, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-
Kerosene, Units=KTherms	n/a	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Diesel, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Other, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Total, Units=Site MMBtu	n/a	-	12,794* (19,863)	96,915* (139,686)	163,745* (217,344)	166,944* (217,563)	1,257,226 (1,535,246)	1,916,454 (2,217,681)	977,167 (1,173,230)	9,598* (23,968)	4,600,843 (5,505,262)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-779 **ARRA Period BPAC, Renewable Energy Market Development**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type
and Year, Total Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	-	32,654* (50,699)	301,539* (450,955)	508,850* (710,394)	508,850* (710,394)	3,558,716* (4,973,105)	5,068,701* (7,097,564)	2,467,655* (3,768,100)	-	12,446,965* (17,750,482)
Natural Gas	n/a	-	3,158* (4,904)	6,942 (8,338)	11,924* (16,592)	15,273* (24,944)	200,709* (408,729)	417,561* (918,551)	249,519* (618,951)	10,049* (25,095)	915,135* (2,020,930)
Oil	n/a	-	-	-	-	-	-	-	-	-	-
Propane	n/a	-	-	-	-	-	-	-	-	-	-
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	35,812* (55,602)	308,481* (455,788)	520,774* (715,118)	524,124* (715,191)	3,759,424* (5,010,755)	5,486,262* (7,156,948)	2,717,173* (3,782,874)	10,049* (25,095)	13,362,100* (17,876,861)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.



"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-780

ARRA Period BPAC, Renewable Energy Market Development

SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Year, Average per Year Estimates, in Original Site Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	2010-2036	n/a	-	2,865* (4,449)	26,460* (39,571)	44,651* (62,337)	44,651* (62,337)	44,611* (62,341)	44,478* (62,281)	36,089* (55,108)	-	40,452* (57,689)
Natural Gas, Units=KTherms	2010-2042	n/a	-	30* (47)	66 (80)	114* (158)	146* (238)	274* (558)	399* (877)	238* (591)	48* (120)	265* (585)
Oil, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Propane, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Kerosene, Units=KTherms	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Diesel, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Other, Units=Site MMBtu	n/a	n/a	-	-	-	-	-	-	-	-	-	-

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Total, Units=Site MMBtu	2010- 2042	n/a	-	12,794* (19,863)	96,915* (139,686)	163,745* (217,344)	166,944* (217,563)	179,604 (219,321)	191,645 (221,768)	97,717 (117,323)	4,799* (11,984)	139,419 (166,826)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-781 **ARRA Period BPAC, Renewable Energy Market Development**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type
and Year, Average per Year Estimates, in Source MMBtu Units

Source	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	2010-2036	n/a	-	32,654* (50,699)	301,539* (450,955)	508,850* (710,394)	508,850* (710,394)	508,388* (710,444)	506,870* (709,756)	411,276* (628,017)	-	460,999* (657,425)
Natural Gas	2010-2042	n/a	-	3,158* (4,904)	6,942 (8,338)	11,924* (16,592)	15,273* (24,944)	28,673* (58,390)	41,756* (91,855)	24,952* (61,895)	5,025* (12,547)	27,731* (61,240)
Oil	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Propane	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Kerosene	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	n/a	-	-	-	-	-	-	-	-	-	-
Total	2010-2042	n/a	-	35,812* (55,602)	308,481* (455,788)	520,774* (715,118)	524,124* (715,191)	537,061* (715,822)	548,626* (715,695)	271,717* (378,287)	5,025* (12,547)	404,912* (541,723)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.



Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-782 **ARRA Period BPAC, Renewable Energy Market Development**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type
and Year, Row Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	-	0.3% (0.0%)	2.4% (0.2%)	4.1% (0.2%)	4.1% (0.2%)	28.6% (1.2%)	40.7% (1.5%)	19.8% (2.7%)	-	100.0% (0.0%)
Natural Gas	n/a	-	0.3%* (0.8%)	0.8% (0.8%)	1.3% (1.1%)	1.7% (1.0%)	21.9% (3.8%)	45.6% (0.4%)	27.3% (7.5%)	1.1% (0.3%)	100.0% (0.0%)
Oil	n/a	-	-	-	-	-	-	-	-	-	-
Propane	n/a	-	-	-	-	-	-	-	-	-	-
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	0.3% (0.1%)	2.3% (0.4%)	3.9% (0.5%)	3.9% (0.4%)	28.1% (1.2%)	41.1% (1.8%)	20.3% (2.3%)	0.1%* (0.2%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-783 **ARRA Period BPAC, Renewable Energy Market Development**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type
and Year, Column Percent Estimates, in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	-	91.2% (0.0%)	97.7% (2.7%)	97.7% (3.2%)	97.1% (4.8%)	94.7% (10.6%)	92.4% (15.9%)	90.8% (21.2%)	-	93.2% (14.5%)
Natural Gas	n/a	-	8.8% (0.0%)	2.3% (2.7%)	2.3%* (3.2%)	2.9%* (4.8%)	5.3%* (10.6%)	7.6%* (15.9%)	9.2%* (21.2%)	100.0% (0.0%)	6.8%* (14.5%)
Oil	n/a	-	-	-	-	-	-	-	-	-	-
Propane	n/a	-	-	-	-	-	-	-	-	-	-
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-784 **ARRA Period BPAC, Renewable Energy Market Development**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and
Year, Total Estimates, in Site MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	-	3,300* (5,124)	15,715* (24,398)	15,715* (24,398)	109,033* (169,285)	152,760* (237,176)	12,068* (18,737)	-	308,590* (479,118)
Commercial	n/a	-	646* (1,003)	6,735* (10,457)	10,753* (16,694)	10,753* (16,694)	75,268* (116,861)	107,525* (166,944)	57,134* (88,707)	-	268,813* (417,361)
Industrial	n/a	-	-	3,199* (7,989)	6,399* (15,979)	9,598* (23,968)	156,773* (391,482)	351,939* (878,837)	236,759* (591,218)	9,598* (23,968)	774,266* (1,933,442)
Public Institutional	n/a	-	9,036* (14,029)	75,528* (117,265)	119,400* (185,381)	119,400* (185,381)	835,801* (1,297,670)	1,192,019* (1,850,737)	623,907* (968,682)	-	2,975,092* (4,619,146)
Private Institutional	n/a	-	3,112* (4,832)	8,153* (12,658)	11,479* (17,822)	11,479* (17,822)	80,352* (124,755)	112,211* (174,219)	47,298* (73,435)	-	274,083* (425,543)
Total	n/a	-	12,794* (19,863)	96,915* (139,686)	163,745* (217,344)	166,944* (217,563)	1,257,226 (1,535,246)	1,916,454 (2,217,681)	977,167 (1,173,230)	9,598* (23,968)	4,600,843 (5,505,262)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

Table K-785 **ARRA Period BPAC, Renewable Energy Market Development**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and
Year, Total Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	-	10,072* (15,637)	47,961* (74,464)	47,961* (74,464)	332,488* (516,223)	464,960* (721,900)	36,732* (57,030)	-	940,174* (1,459,719)
Commercial	n/a	-	2,157* (3,349)	22,494* (34,924)	35,912* (55,757)	35,912* (55,757)	251,384* (390,300)	359,120* (557,571)	190,821* (296,270)	-	897,799* (1,393,928)
Industrial	n/a	-	-	3,350* (8,365)	6,700* (16,730)	10,049* (25,095)	164,141* (409,882)	368,480* (920,143)	247,887* (619,005)	10,049* (25,095)	810,656* (2,024,314)
Public Institutional	n/a	-	27,170* (42,185)	249,245* (386,980)	395,773* (614,480)	395,773* (614,480)	2,770,412* (4,301,360)	3,954,117* (6,139,187)	2,083,765* (3,235,266)	-	9,876,256* (15,333,937)
Private Institutional	n/a	-	6,485* (10,068)	23,320* (36,207)	34,428* (53,454)	34,428* (53,454)	240,999* (374,176)	339,585* (527,242)	157,969* (245,264)	-	837,215* (1,299,865)
Total	n/a	-	35,812* (55,602)	308,481* (455,788)	520,774* (715,118)	524,124* (715,191)	3,759,424* (5,010,755)	5,486,262* (7,156,948)	2,717,173* (3,782,874)	10,049* (25,095)	13,362,100* (17,876,861)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

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Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-786 **ARRA Period BPAC, Renewable Energy Market Development**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and
Year, Average per Year Estimates, in Site MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	2011-2031	n/a	-	-	3,300* (5,124)	15,715* (24,398)	15,715* (24,398)	15,576* (24,184)	15,276* (23,718)	12,068* (18,737)	-	14,695* (22,815)
Commercial	2010-2036	n/a	-	646* (1,003)	6,735* (10,457)	10,753* (16,694)	10,753* (16,694)	10,753* (16,694)	10,753* (16,694)	9,522* (14,785)	-	9,956* (15,458)
Industrial	2011-2042	n/a	-	-	3,199* (7,989)	6,399* (15,979)	9,598* (23,968)	22,396* (55,926)	35,194* (87,884)	23,676* (59,122)	4,799* (11,984)	24,196* (60,420)
Public Institutional	2010-2036	n/a	-	9,036* (14,029)	75,528* (117,265)	119,400* (185,381)	119,400* (185,381)	119,400* (185,381)	119,202* (185,074)	103,985* (161,447)	-	110,189* (171,079)
Private Institutional	2010-2036	n/a	-	3,112* (4,832)	8,153* (12,658)	11,479* (17,822)	11,479* (17,822)	11,479* (17,822)	11,221* (17,422)	7,883* (12,239)	-	10,151* (15,761)
Total	2010-2042	n/a	-	12,794* (19,863)	96,915* (139,686)	163,745* (217,344)	166,944* (217,563)	179,604 (219,321)	191,645 (221,768)	97,717 (117,323)	4,799* (11,984)	139,419 (166,826)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-787 ARRA Period BPAC, Renewable Energy Market Development
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and Year, Average per Year Estimates, in Source MMBtu Units

Sector	Impact Period	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	2011-2031	n/a	-	-	10,072* (15,637)	47,961* (74,464)	47,961* (74,464)	47,498* (73,746)	46,496* (72,190)	36,732* (57,030)	-	44,770* (69,510)
Commercial	2010-2036	n/a	-	2,157* (3,349)	22,494* (34,924)	35,912* (55,757)	35,912* (55,757)	35,912* (55,757)	35,912* (55,757)	31,803* (49,378)	-	33,252* (51,627)
Industrial	2011-2042	n/a	-	-	3,350* (8,365)	6,700* (16,730)	10,049* (25,095)	23,449* (58,555)	36,848* (92,014)	24,789* (61,901)	5,025* (12,547)	25,333* (63,260)
Public Institutional	2010-2036	n/a	-	27,170* (42,185)	249,245* (386,980)	395,773* (614,480)	395,773* (614,480)	395,773* (614,480)	395,412* (613,919)	347,294* (539,211)	-	365,787* (567,924)
Private Institutional	2010-2036	n/a	-	6,485* (10,068)	23,320* (36,207)	34,428* (53,454)	34,428* (53,454)	34,428* (53,454)	33,959* (52,724)	26,328* (40,877)	-	31,008* (48,143)
Total	2010-2042	n/a	-	35,812* (55,602)	308,481* (455,788)	520,774* (715,118)	524,124* (715,191)	537,061* (715,822)	548,626* (715,695)	271,717* (378,287)	5,025* (12,547)	404,912* (541,723)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period for those year(s) noted in the column. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-788 **ARRA Period BPAC, Renewable Energy Market Development**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and
Year, Row Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	-	1.1% (0.0%)	5.1% (0.0%)	5.1% (0.0%)	35.4% (0.0%)	49.5% (0.0%)	3.9% (0.0%)	-	100.0% (0.0%)
Commercial	n/a	-	0.2% (0.0%)	2.5% (0.0%)	4.0% (0.0%)	4.0% (0.0%)	28.0% (0.0%)	40.0% (0.0%)	21.3% (0.0%)	-	100.0% (0.0%)
Industrial	n/a	-	-	0.4% (0.0%)	0.8% (0.0%)	1.2% (0.0%)	20.2% (0.0%)	45.5% (0.0%)	30.6% (0.0%)	1.2% (0.0%)	100.0% (0.0%)
Public Institutional	n/a	-	0.3% (0.0%)	2.5% (0.0%)	4.0% (0.0%)	4.0% (0.0%)	28.1% (0.0%)	40.0% (0.0%)	21.1% (0.0%)	-	100.0% (0.0%)
Private Institutional	n/a	-	0.8% (0.0%)	2.8% (0.0%)	4.1% (0.0%)	4.1% (0.0%)	28.8% (0.0%)	40.6% (0.0%)	18.9% (0.0%)	-	100.0% (0.0%)
Total	n/a	-	0.3% (0.1%)	2.3% (0.4%)	3.9% (0.5%)	3.9% (0.4%)	28.1% (1.2%)	41.1% (1.8%)	20.3% (2.3%)	0.1%* (0.2%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-789 **ARRA Period BPAC, Renewable Energy Market Development**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Sector and
Year, Column Percent Estimates, in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	-	3.3%* (7.4%)	9.2%* (19.7%)	9.2%* (19.5%)	8.8%* (18.7%)	8.5%* (17.7%)	1.4%* (3.0%)	-	7.0%* (15.0%)
Commercial	n/a	-	6.0% (0.0%)	7.3% (0.7%)	6.9% (1.6%)	6.9% (1.7%)	6.7% (1.8%)	6.5% (2.0%)	7.0% (1.7%)	-	6.7% (1.7%)
Industrial	n/a	-	-	1.1%* (2.8%)	1.3%* (3.2%)	1.9%* (4.8%)	4.4%* (10.7%)	6.7%* (16.0%)	9.1%* (21.3%)	100.0% (0.0%)	6.1%* (14.6%)
Public Institutional	n/a	-	75.9% (0.0%)	80.8% (7.4%)	76.0% (17.8%)	75.5% (18.3%)	73.7% (20.0%)	72.1% (21.8%)	76.7% (18.1%)	-	73.9% (19.2%)
Private Institutional	n/a	-	18.1% (0.0%)	7.6% (0.7%)	6.6% (1.6%)	6.6% (1.6%)	6.4% (1.7%)	6.2% (1.9%)	5.8% (1.4%)	-	6.3% (1.6%)
Total	n/a	-	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

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Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-790

ARRA Period BPAC, Renewable Energy Market Development

SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Total Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity, Units=MWh	78,875* (122,461)	78,781* (122,316)	-	864,226* (1,341,803)	70,332* (109,198)	1,092,215* (1,557,595)
Natural Gas, Units=KTherms	395* (613)	-	7,743* (19,334)	262* (407)	341* (529)	8,741* (19,302)
Oil, Units=KTherms	n/a	-	-	-	-	-
Propane, Units=KTherms	n/a	-	-	-	-	-
Kerosene, Units=KTherms	n/a	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	-	-	-
Diesel, Units=Site MMBtu	n/a	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	-	-	-	-	-
Other, Units=Site MMBtu	n/a	-	-	-	-	-

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Total, Units=Site MMBtu	308,590* (479,118)	268,813* (417,361)	774,266* (1,933,442)	2,975,092* (4,619,146)	274,083* (425,543)	4,600,843 (5,505,262)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding, suppression of estimates that round to zero or because of different units associated with the energy estimates.

KTherms = 1,000 Therms.

Table K-791 **ARRA Period BPAC, Renewable Energy Market Development**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Total Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	898,860* (1,395,576)	897,799* (1,393,928)	-	9,848,793* (15,291,298)	801,513* (1,244,434)	12,446,965* (17,750,482)
Natural Gas	41,313* (64,143)	-	810,656* (2,024,314)	27,463* (42,639)	35,702* (55,431)	915,135* (2,020,930)
Oil	n/a	-	-	-	-	-
Propane	n/a	-	-	-	-	-
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	-	-	-
Diesel	n/a	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	940,174* (1,459,719)	897,799* (1,393,928)	810,656* (2,024,314)	9,876,256* (15,333,937)	837,215* (1,299,865)	13,362,100* (17,876,861)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.



Table K-792 **ARRA Period BPAC, Renewable Energy Market Development**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type
and Sector, Average per Year Estimates, in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity, Units=MWh	3,756* (5,831)	2,918* (4,530)	-	32,008* (49,696)	2,605* (4,044)	40,452* (57,689)
Natural Gas, Units=KTherms	19* (29)	-	242* (604)	13* (20)	17* (26)	265* (585)
Oil, Units=KTherms	n/a	-	-	-	-	-
Propane, Units=KTherms	n/a	-	-	-	-	-
Kerosene, Units=KTherms	n/a	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	-	-	-
Diesel, Units=Site MMBtu	n/a	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	-	-	-	-	-
Other, Units=Site MMBtu	n/a	-	-	-	-	-

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Total, Units=Site MMBtu	14,695* (22,815)	9,956* (15,458)	24,196* (60,420)	110,189* (171,079)	10,151* (15,761)	139,419 (166,826)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period. Estimates that round to zero during the impact period will not be displayed due to suppression.

KTherms = 1,000 Therms.

Table K-793 **ARRA Period BPAC, Renewable Energy Market Development**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type
and Sector, Average per Year Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	42,803* (66,456)	33,252* (51,627)	-	364,770* (566,344)	29,686* (46,090)	460,999* (657,425)
Natural Gas	1,967* (3,054)	-	25,333* (63,260)	1,373* (2,132)	1,785* (2,772)	27,731* (61,240)
Oil	n/a	-	-	-	-	-
Propane	n/a	-	-	-	-	-
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	-	-	-
Diesel	n/a	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	44,770* (69,510)	33,252* (51,627)	25,333* (63,260)	365,787* (567,924)	31,008* (48,143)	404,912* (541,723)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.



Impact Period is the period in which nonzero estimates existed. Average per year estimates were computed by dividing the estimate of the total by the number of years in the impact period. Estimates that round to zero during the impact period will not be displayed due to suppression.

Table K-794 **ARRA Period BPAC, Renewable Energy Market Development**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type and Sector, Row Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	7.2%* (15.9%)	7.2% (1.2%)	-	79.1% (13.6%)	6.4% (1.1%)	100.0% (0.0%)
Natural Gas	4.5%* (10.3%)	-	88.6% (25.7%)	3.0%* (6.8%)	3.9%* (8.9%)	100.0% (0.0%)
Oil	n/a	-	-	-	-	-
Propane	n/a	-	-	-	-	-
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	-	-	-
Diesel	n/a	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	7.0%* (15.0%)	6.7% (1.7%)	6.1%* (14.6%)	73.9% (19.2%)	6.3% (1.6%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.



Table K-795 **ARRA Period BPAC, Renewable Energy Market Development**
SEP-Attributable Energy Savings, SEP-Attributable Energy Displaced by Onsite Renewable Generation and an Estimated SEP-Attributable Renewable Generation Benefit by Fuel Type
and Sector, Column Percent Estimates, in Source MMBtu Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	95.6% (0.0%)	100.0% (0.0%)	-	99.7% (0.0%)	95.7% (0.0%)	93.2% (14.5%)
Natural Gas	4.4% (0.0%)	-	100.0% (0.0%)	0.3% (0.0%)	4.3% (0.0%)	6.8%* (14.5%)
Oil	n/a	-	-	-	-	-
Propane	n/a	-	-	-	-	-
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	-	-	-
Diesel	n/a	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)	100.0% (0.0%)

Note:

Number in parenthesis underneath each estimate is the margin of error associated with the estimate. The 90% confidence interval for an estimate is the estimate +/- its margin of error.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.



Table K-796 **ARRA Period BPAC, Renewable Energy Market Development**
SEP-Attributable Bill Savings by Fuel Type and Year, Total Estimates, in Thousand 2009 Dollars

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	-	\$302*	\$2,891*	\$5,208*	\$5,192*	\$35,802*	\$50,554*	\$21,967*	-	\$121,917*
Natural Gas	n/a	-	\$28*	\$66	\$142*	\$163*	\$1,772*	\$3,779*	\$2,193*	\$105*	\$8,249*
Oil	n/a	-	-	-	-	-	-	-	-	-	-
Propane	n/a	-	-	-	-	-	-	-	-	-	-
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	\$330*	\$2,957*	\$5,351*	\$5,355*	\$37,574*	\$54,333*	\$24,160*	\$105*	\$130,165*

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-797 **ARRA Period BPAC, Renewable Energy Market Development**
SEP-Attributable Bill Savings by Fuel Type and Year, Row Percent Estimates, in Thousand 2009 Dollars

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	-	0.2%	2.4%	4.3%	4.3%	29.4%	41.5%	18.0%	-	100.0%
Natural Gas	n/a	-	0.3%*	0.8%	1.7%	2.0%	21.5%	45.8%	26.6%	1.3%	100.0%
Oil	n/a	-	-	-	-	-	-	-	-	-	-
Propane	n/a	-	-	-	-	-	-	-	-	-	-
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	0.3%	2.3%	4.1%	4.1%	28.9%	41.7%	18.6%	0.1%*	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-798 **ARRA Period BPAC, Renewable Energy Market Development**
SEP-Attributable Bill Savings by Fuel Type and Year, Column Percent Estimates, in Thousand 2009 Dollars

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	-	91.5%	97.8%	97.3%	97.0%	95.3%	93.0%	90.9%	-	93.7%
Natural Gas	n/a	-	8.5%	2.2%	2.7%*	3.0%*	4.7%*	7.0%*	9.1%*	100.0%	6.3%*
Oil	n/a	-	-	-	-	-	-	-	-	-	-
Propane	n/a	-	-	-	-	-	-	-	-	-	-
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-799

ARRA Period BPAC, Renewable Energy Market Development

SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Fuel Type and Year, SEP-Attributable Energy in Original Site Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity, Units=MWh	n/a	-	\$105.34*	\$109.26*	\$116.65*	\$116.28*	\$114.65*	\$113.66*	\$101.45*	-	\$111.62*
Natural Gas, Units=KTher ms	n/a	-	\$925.88*	\$996.43	\$1,249.60*	\$1,118.02*	\$924.26*	\$947.60*	\$920.13*	\$1,097.72*	\$943.71*
Oil, Units=KTher ms	n/a	-	-	-	-	-	-	-	-	-	-
Propane, Units=KTher ms	n/a	-	-	-	-	-	-	-	-	-	-
Kerosene, Units=KTher ms	n/a	-	-	-	-	-	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Diesel, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Other, Units=Site MMBtu	n/a	-	-	-	-	-	-	-	-	-	-
Total, Units=Site	n/a	-	\$25.78*	\$30.51*	\$32.68*	\$32.08*	\$29.89	\$28.35	\$24.72	\$10.98*	\$28.29

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
MMBtu											

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-800

ARRA Period BPAC, Renewable Energy Market Development

SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Fuel Type and Year, SEP-Attributable Energy in Source MMBtu Units

Source	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Electricity	n/a	-	\$9.24*	\$9.59*	\$10.24*	\$10.20*	\$10.06*	\$9.97*	\$8.90*	-	\$9.79*
Natural Gas	n/a	-	\$8.84*	\$9.52	\$11.94*	\$10.68*	\$8.83*	\$9.05*	\$8.79*	\$10.48*	\$9.01*
Oil	n/a	-	-	-	-	-	-	-	-	-	-
Propane	n/a	-	-	-	-	-	-	-	-	-	-
Kerosene	n/a	-	-	-	-	-	-	-	-	-	-
Wood	n/a	-	-	-	-	-	-	-	-	-	-
Diesel	n/a	-	-	-	-	-	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-	-	-	-	-	-
Other	n/a	-	-	-	-	-	-	-	-	-	-
Total	n/a	-	\$9.21*	\$9.59*	\$10.27*	\$10.22*	\$9.99*	\$9.90*	\$8.89*	\$10.48*	\$9.74*

Note:

Standard errors estimates are not reported.

"- " indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-801 **ARRA Period BPAC, Renewable Energy Market Development**
SEP-Attributable Bill Savings by Sector and Year, Total Estimates, in Thousand 2009 Dollars

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	-	\$259*	\$1,286*	\$1,284*	\$8,862*	\$12,566*	\$1,015*	-	\$25,273*
Commercial	n/a	-	\$20*	\$204*	\$310*	\$309*	\$2,135*	\$3,022*	\$1,650*	-	\$7,651*
Industrial	n/a	-	-	\$22*	\$38*	\$58*	\$1,008*	\$2,599*	\$2,114*	\$105*	\$5,945*
Public Institutional	n/a	-	\$251*	\$2,261*	\$3,420*	\$3,409*	\$23,526*	\$33,281*	\$18,015*	-	\$84,162*
Private Institutional	n/a	-	\$59*	\$210*	\$296*	\$295*	\$2,043*	\$2,866*	\$1,366*	-	\$7,135*
Total	n/a	-	\$330*	\$2,957*	\$5,351*	\$5,355*	\$37,574*	\$54,333*	\$24,160*	\$105*	\$130,165*

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-802 **ARRA Period BPAC, Renewable Energy Market Development**
SEP-Attributable Bill Savings by Sector and Year, Row Percent Estimates, in Thousand 2009 Dollars

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	-	1.0%	5.1%	5.1%	35.1%	49.7%	4.0%	-	100.0%
Commercial	n/a	-	0.3%	2.7%	4.1%	4.0%	27.9%	39.5%	21.6%	-	100.0%
Industrial	n/a	-	-	0.4%	0.6%	1.0%	17.0%	43.7%	35.6%	1.8%	100.0%
Public Institutional	n/a	-	0.3%	2.7%	4.1%	4.0%	28.0%	39.5%	21.4%	-	100.0%
Private Institutional	n/a	-	0.8%	2.9%	4.2%	4.1%	28.6%	40.2%	19.1%	-	100.0%
Total	n/a	-	0.3%	2.3%	4.1%	4.1%	28.9%	41.7%	18.6%	0.1%*	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-803 **ARRA Period BPAC, Renewable Energy Market Development**
SEP-Attributable Bill Savings by Sector and Year, Column Percent Estimates, in Thousand 2009 Dollars

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	-	8.8%*	24.0%*	24.0%*	23.6%*	23.1%*	4.2%*	-	19.4%*
Commercial	n/a	-	6.0%	6.9%	5.8%	5.8%	5.7%	5.6%	6.8%	-	5.9%
Industrial	n/a	-	-	0.8%*	0.7%*	1.1%*	2.7%*	4.8%*	8.8%*	100.0%	4.6%*
Public Institutional	n/a	-	76.0%	76.5%	63.9%	63.6%	62.6%	61.3%	74.6%	-	64.7%
Private Institutional	n/a	-	18.0%	7.1%	5.5%	5.5%	5.4%	5.3%	5.7%	-	5.5%
Total	n/a	-	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-804 **ARRA Period BPAC, Renewable Energy Market Development**
SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Sector and Year, SEP-Attributable Energy in Site MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	-	\$78.59*	\$81.81*	\$81.71*	\$81.28*	\$82.26*	\$84.13*	-	\$81.90*
Commercial	n/a	-	\$30.87*	\$30.31*	\$28.87*	\$28.77*	\$28.37*	\$28.11*	\$28.87*	-	\$28.46*
Industrial	n/a	-	-	\$7.02*	\$5.95*	\$6.04*	\$6.43*	\$7.38*	\$8.93*	\$10.98*	\$7.68*
Public Institutional	n/a	-	\$27.73*	\$29.94*	\$28.65*	\$28.55*	\$28.15*	\$27.92*	\$28.87*	-	\$28.29*
Private Institutional	n/a	-	\$19.03*	\$25.77*	\$25.80*	\$25.73*	\$25.42*	\$25.54*	\$28.87*	-	\$26.03*
Total	n/a	-	\$25.78*	\$30.51*	\$32.68*	\$32.08*	\$29.89	\$28.35	\$24.72	\$10.98*	\$28.29

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

""*"" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-805 ARRA Period BPAC, Renewable Energy Market Development
SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Sector and Year, SEP-Attributable Energy in Source MMBtu Units

Sector	2008	2009	2010	2011	2012	2013	2014-2020	2021-2030	2031-2040	2041-2050	Total
Residential	n/a	-	-	\$25.75*	\$26.81*	\$26.77*	\$26.65*	\$27.03*	\$27.64*	-	\$26.88*
Commercial	n/a	-	\$9.24*	\$9.08*	\$8.65*	\$8.61*	\$8.49*	\$8.42*	\$8.65*	-	\$8.52*
Industrial	n/a	-	-	\$6.70*	\$5.69*	\$5.77*	\$6.14*	\$7.05*	\$8.53*	\$10.48*	\$7.33*
Public Institutional	n/a	-	\$9.22*	\$9.07*	\$8.64*	\$8.61*	\$8.49*	\$8.42*	\$8.65*	-	\$8.52*
Private Institutional	n/a	-	\$9.13*	\$9.01*	\$8.60*	\$8.58*	\$8.48*	\$8.44*	\$8.65*	-	\$8.52*
Total	n/a	-	\$9.21*	\$9.59*	\$10.27*	\$10.22*	\$9.99*	\$9.90*	\$8.89*	\$10.48*	\$9.74*

Note:

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"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-806 **ARRA Period BPAC, Renewable Energy Market Development**
SEP-Attributable Bill Savings by Fuel Type and Sector, Total Estimates, in Thousand 2009 Dollars

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	\$23,507*	\$7,651*	-	\$83,928*	\$6,831*	\$121,917*
Natural Gas	\$1,766*	-	\$5,945*	\$234*	\$304*	\$8,249*
Oil	n/a	-	-	-	-	-
Propane	n/a	-	-	-	-	-
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	-	-	-
Diesel	n/a	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	\$25,273*	\$7,651*	\$5,945*	\$84,162*	\$7,135*	\$130,165*

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-807 **ARRA Period BPAC, Renewable Energy Market Development**
SEP-Attributable Bill Savings by Fuel Type and Sector, Row Percent Estimates, in Thousand 2009 Dollars

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	19.3%*	6.3%	-	68.8%	5.6%	100.0%
Natural Gas	21.4%*	-	72.1%	2.8%*	3.7%*	100.0%
Oil	n/a	-	-	-	-	-
Propane	n/a	-	-	-	-	-
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	-	-	-
Diesel	n/a	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	19.4%*	5.9%	4.6%*	64.7%	5.5%	100.0%

Note:
Standard errors estimates are not reported.
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"n/a" indicates not applicable.
Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-808 **ARRA Period BPAC, Renewable Energy Market Development**
SEP-Attributable Bill Savings by Fuel Type and Sector, Column Percent Estimates, in Thousand 2009 Dollars

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	93.0%	100.0%	-	99.7%	95.7%	93.7%
Natural Gas	7.0%	-	100.0%	0.3%	4.3%	6.3%*
Oil	n/a	-	-	-	-	-
Propane	n/a	-	-	-	-	-
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	-	-	-
Diesel	n/a	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Estimates may not sum to the estimates reported in the "Total" row and column due to rounding or suppression of estimates that round to zero.

Table K-809 **ARRA Period BPAC, Renewable Energy Market Development**
SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Fuel Type and Sector, SEP-Attributable Energy in Original Site Units

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity, Units=MWh	\$298.03*	\$97.11*	-	\$97.11*	\$97.12*	\$111.62*
Natural Gas, Units=KTherms	\$4,474.70*	-	\$767.83*	\$891.48*	\$891.48*	\$943.71*
Oil, Units=KTherms	n/a	-	-	-	-	-
Propane, Units=KTherms	n/a	-	-	-	-	-
Kerosene, Units=KTherms	n/a	-	-	-	-	-
Wood, Units=Site MMBtu	n/a	-	-	-	-	-
Diesel, Units=Site MMBtu	n/a	-	-	-	-	-
Ethanol, Units=Site MMBtu	n/a	-	-	-	-	-
Gasoline, Units=Site MMBtu	n/a	-	-	-	-	-
Other, Units=Site MMBtu	n/a	-	-	-	-	-
Total,	\$81.90*	\$28.46*	\$7.68*	\$28.29*	\$26.03*	\$28.29

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Units=Site MMBtu						

Note:

Standard errors estimates are not reported.

"-" indicates estimate rounds to zero and is considered imprecise.

"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.

Table K-810 **ARRA Period BPAC, Renewable Energy Market Development SEP-Attributable Bill Savings (2009 Dollars) Per SEP-Attributable Energy by Fuel Type and Sector, SEP-Attributable Energy in Source MMBtu Units**

Source	Residential	Commercial	Industrial	Public Institutional	Private Institutional	Total
Electricity	\$26.15*	\$8.52*	-	\$8.52*	\$8.52*	\$9.79*
Natural Gas	\$42.74*	-	\$7.33*	\$8.51*	\$8.51*	\$9.01*
Oil	n/a	-	-	-	-	-
Propane	n/a	-	-	-	-	-
Kerosene	n/a	-	-	-	-	-
Wood	n/a	-	-	-	-	-
Diesel	n/a	-	-	-	-	-
Ethanol	n/a	-	-	-	-	-
Gasoline	n/a	-	-	-	-	-
Other	n/a	-	-	-	-	-
Total	\$26.88*	\$8.52*	\$7.33*	\$8.52*	\$8.52*	\$9.74*

Note:

Standard errors estimates are not reported.

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"*" indicates estimate exhibits low precision.

"n/a" indicates not applicable.

Energy estimate in the denominator of the ratios includes SEP-attributable energy savings, SEP-attributable energy displaced by onsite renewable generation and an estimated SEP-attributable renewable generation benefit.