



Energy Efficiency and Conservation Block Grant Program

Program Evaluation - Overview & Approach

Diverse Evaluation Team

The nature of the evaluation covers a wide range of grant activities and requires a broad range of expertise to implement an efficient and focused study.

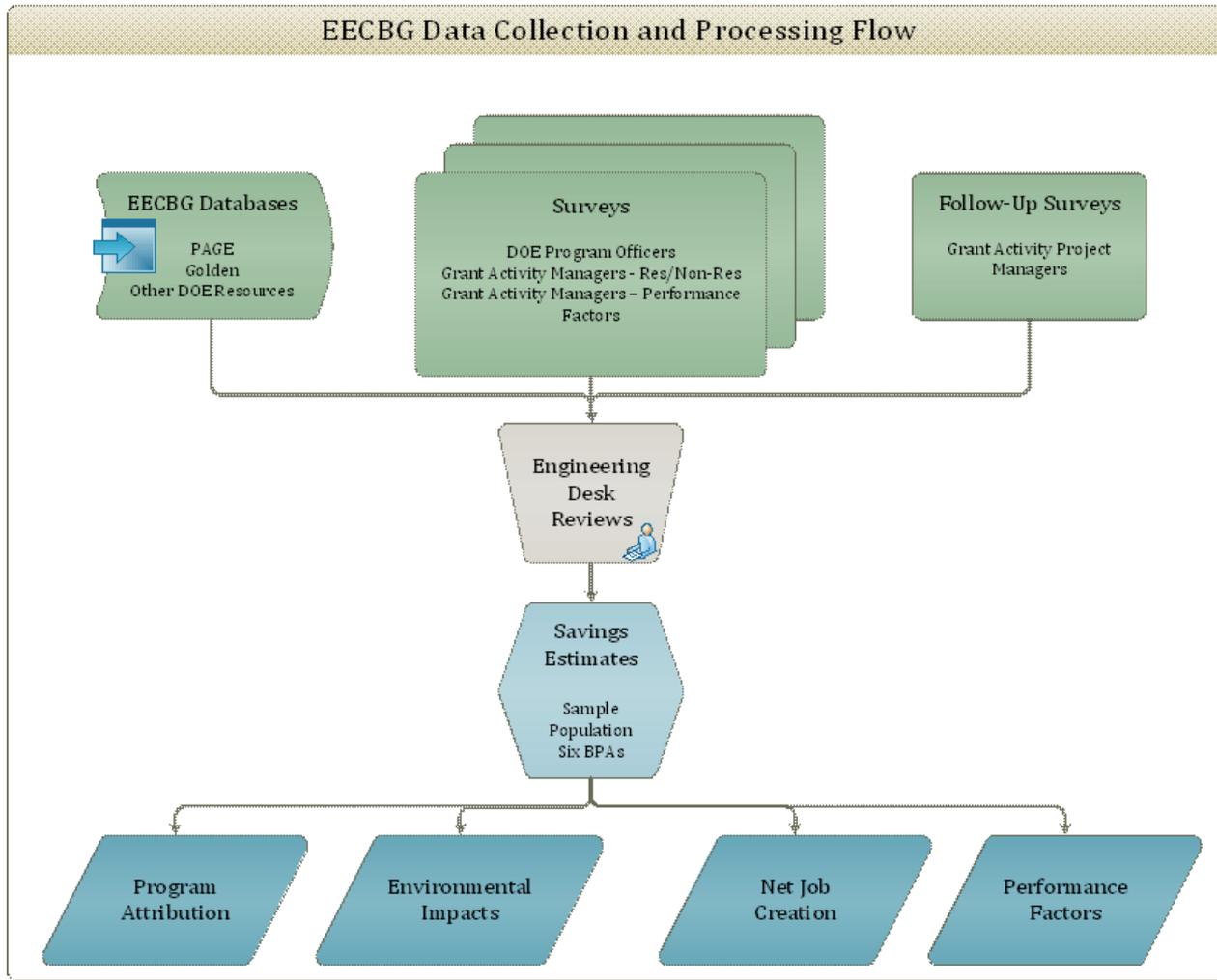
- **DNV KEMA** – Prime Contractor
 - **Itron** - Engineering analysis
 - **Redhorse** – Engineering analysis
 - **ODC** – Grant Activity Manager survey implementation and analysis
 - **EDR Group** – Labor impact analysis

A Diverse Team of Industry Leaders ...

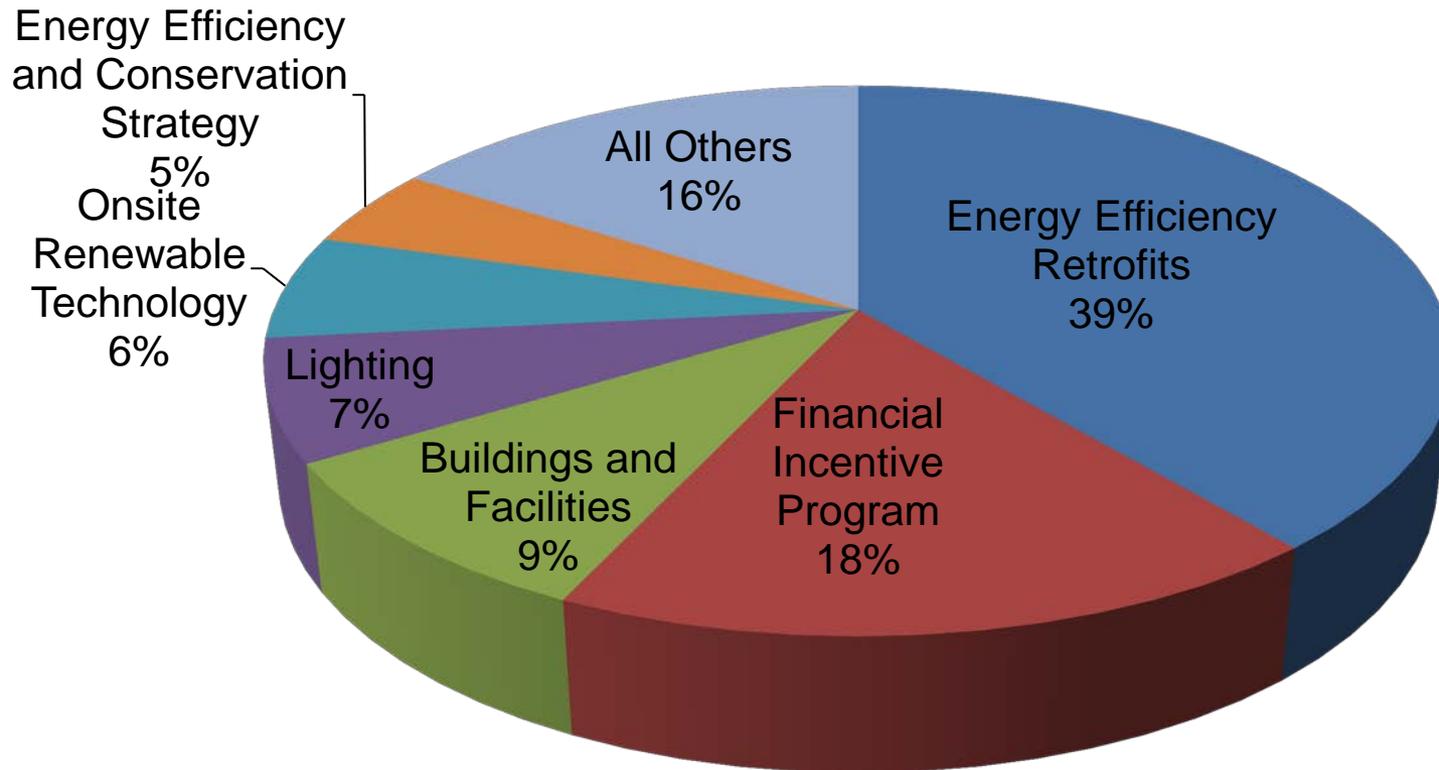
Primary Objectives of the EECBG Evaluation

- Quantify the following program metrics:
 - Energy and cost savings
 - Reduction in carbon emissions
 - Net job creation
- Assess the proportion of the program outcomes attributable to the EECBG program and funding
- Identify the characteristics of a grant/sub-grant Activity that affect the performance of the grant (defined as amount of energy saved/per Activity \$)

Key Evaluation Steps



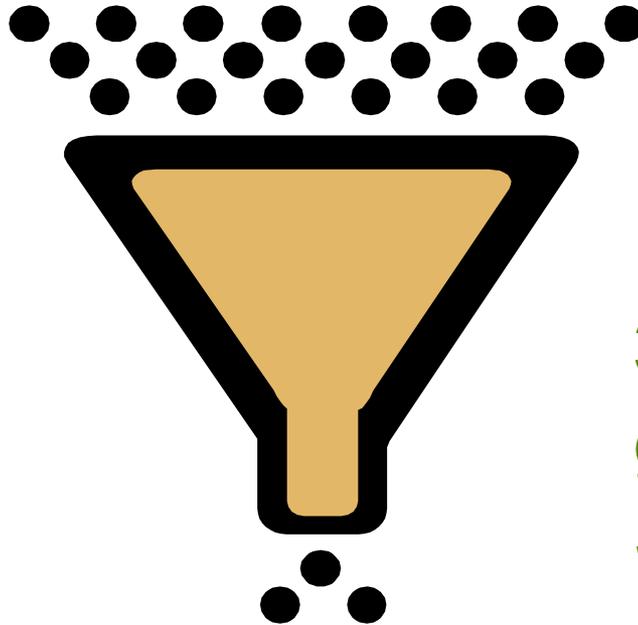
Percent of EECBG Spending by BPA



\$2.76 Billion Total Funding

Sample Design

4,732 Grants and Sub-grants
Across States

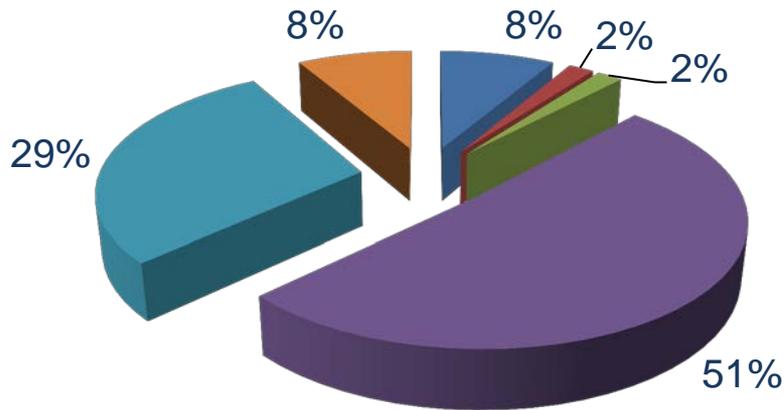


350 Grants and Sub-
grants Selected in
Sample

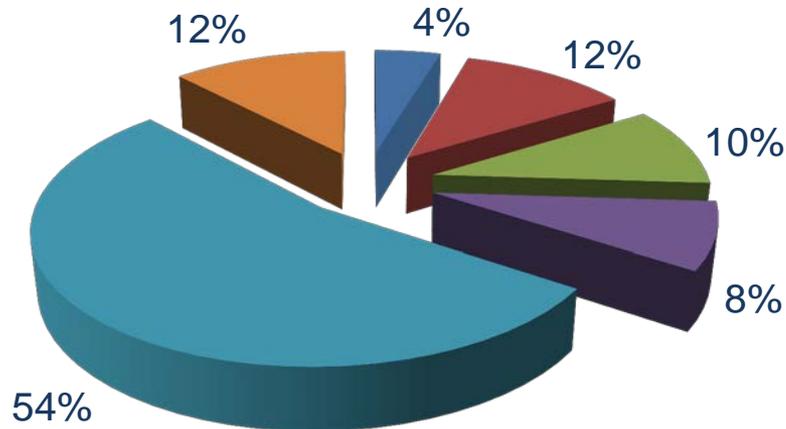
The Study Evaluates BPAs that Represent 80% or More of Total Funding

Sample by BPA and Grant Type

State Grants (n=108)



Direct (n=242)



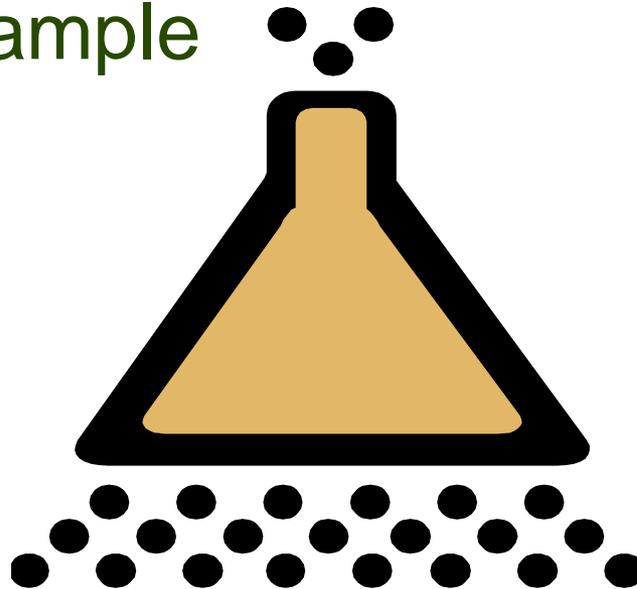
- Energy Efficiency and Conservation Strategy
- Lighting
- Onsite Renewable Technology
- Financial Incentive Program
- Energy Efficiency Retrofits
- Buildings and Facilities

Sample Allocation By Broad Program Area

Grant Type	Activity	Total Budget	% of Overall Budget	Number of Projects	Sample Allocation
Direct	Energy Efficiency Retrofits	\$ 851,421,998	37.6%	2,146	132
	Buildings and Facilities	\$ 187,973,344	8.3%	639	29
	Lighting	\$ 178,807,584	7.9%	565	28
	Onsite Renewable Technology	\$ 153,662,546	6.8%	390	24
	Financial Incentive Program	\$ 126,769,701	5.6%	268	18
	Energy Efficiency and Conservation Strategy	\$ 68,763,561	3.0%	560	11
	Total	\$ 1,567,398,734	69.2%	4,568	242
State (with Sub-grantees)	Financial Incentive Program	\$ 366,135,684	16.2%	52	57
	Energy Efficiency Retrofits	\$ 197,502,734	8.7%	43	31
	Energy Efficiency and Conservation Strategy	\$ 57,355,372	2.5%	24	9
	Buildings and Facilities	\$ 55,487,069	2.5%	28	7
	Onsite Renewable Technology	\$ 10,735,849	0.5%	10	2
	Lighting	\$ 10,135,414	0.4%	7	2
	Total	\$ 697,352,122	30.8%	164	108
Overall Total		\$ 2,264,750,856	100.0%	4,732	350

Expanding Findings to the Population

350 Activities
Selected in Sample



4,732 Total Activities
Across States

**The Sample will be Expanded to the Population Using Ratio Expansion
Based on BPA Funding**

A Request for Help

- We see this as an opportunity for EECBG Grant Managers to assist in one of the largest energy efficiency evaluation efforts currently being done in the U.S.
- We also recognize EECBG Grant Managers' involvement as necessary and critical to the success of the evaluation, specifically:
 - Provide access to critical Activity information and data necessary to conduct evaluation
 - Direct Grants – when necessary, supplement PAGE data such as verification of contact information, completion status, etc.
 - Sub-grant (State Grants) – provide Activity-level information such as contact information, type of measures, amount of sub-grant, etc.

Why is this evaluation important?

The findings of the EECBG national evaluation will:

- Provide a rigorous, defensible quantification of key EECBG outcomes
- Inform Congress, DOE, and the Administration of program performance
- Provide valuable information for policy makers and program managers to help inform future energy efficiency and renewable energy efforts

What is needed?

Your involvement is needed in two ways:

1. Telephone interview will average 20 minutes to:
 - Verify the correct contact person and type of grant activity
 - Determine the status of the activity
 - Collect general information about the type of facility(ies) that participated in the activity
2. Following the telephone interview, you will be asked to complete an on-line survey, averaging three hours, to answer more detailed questions about actual measures installed:
 - Type and quantity of measures installed
 - Efficiency of equipment
 - Changes in operations and building characteristics

On-Line Survey

The on-line survey can be completed over time. The estimated completion time includes:

- Reading instructions
- Reviewing records
- Gathering necessary information
- Completing the survey
- Reviewing responses
- Providing any necessary clarification of answers

Thank you for your interest!

<http://weatherization.ornl.gov/eecbg.shtml> --- will have a link to the recording of this webinar

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