

Manufactured Housing Improvement Workshop: List of Participants

July 10, 2020

Name	Organization	State	Background
RESEARCH/CONSULTING/UTILITY ORGANIZATIONS			
Andrew Aliferis	Public Service Enterprise Group (PSEG) and Pro Eco-Energy LLC	New Jersey Pennsylvania	Project manager for PSEG and part of a utility working group that manages the New Jersey Comfort Partners low-income weatherization program. Also owner of a home performance consulting program in Pennsylvania that retrofits manufactured homes for energy efficiency. Developed procedures specific to the treatment of manufactured housing. Participated in the development of the Standard Work Specifications (SWS) and a member of a weatherization worker certification scheme committee.
Haziq Arif	Ecolighten Energy Solutions	British Columbia, Canada	Ecolighten works with BCHydro and FortisBC's Energy Conservation Assistance Program (ECAP) to provide weatherization and other measures free of charge to the Canadian income-qualified market. Working on including manufactured homes into the program, including measures such as furnace replacement, belly cavity insulation, duct sealing, draft proofing and bath fan installation. Have completed multiple pilot phases and are aiming to have the manufactured homes archetype fully integrated into the program by the end of 2020.
Francis Conlin	High Performance Building Solutions	North Carolina	Worked with WAP while at the Advanced Energy Corporation (AEA) and as a consultant with the Standard Work Specifications (SWS) for Manufactured Housing. Primary author of several "High Performance" Manuals/Reports for the Manufactured Research Alliance. (https://www.huduser.gov/portal/taxonomy/term/1942). Expert in moisture building science in manufactured homes. Remain active in the field assessing and recommending repairs for manufactured homes for various types of performance problems.
Zoe Kaufman	National Renewable Energy Laboratory (NREL)	Colorado	Former Program Director for ENERGY STAR for Manufactured Homes at The Levy Partnership. Facilitated and distributed information incentivizing energy efficiency in manufactured homes. Performed hands-on research (through DOE Building America) centered on innovations in manufactured housing construction, from Zero Energy Ready factory-built homes to next-generation FEMA "trailers" aimed to be sited anywhere in the continental US.

Amy Klusmeier	National Association for State Community Services Programs (NASCSPP)	Washington, DC	WAP Director at NASCSPP. 10+ years in WAP as a retrofit installer technician and crew lead for a subgrantee in Wisconsin and lead WAP policy analyst for the State of Wisconsin WAP. Weatherized manufactured homes following DOE protocols. Responsible for field training for newly hired RITs. Made significant policy changes to the state's manufactured housing services based on annual evaluations of actual savings.
Tim Lenahan	MT Miner Valley LLC	New Hampshire	30 years of experience in WAP as a technical monitor, local program manager, and State Program Manager for New Hampshire and Ohio. Involved in the original CMFERT program. Provided training to local agency staff and contractors based on the CMFERT study. Member of the working group that pilot tested MHEA. Hosted the Rolling Homes Show twice. Member of the 2010 National WAP Evaluation Team responsible for conducting field visits to evaluate the quality of weatherization work performed.
Nick Milano	Ohio Partners for Affordable Energy	Ohio	Long experience in WAP as an installer and state inspector and monitor. Extensive experience in manufactured homes in adding insulation, installing and repairing heating and cooling systems, repairing and sealing ductwork, and converting belly returns to central return. Currently provide technical support and monitoring for the contractors who are doing weatherization and baseload work on low-income homes under electric and gas utility weatherization and baseload programs for low income Ohioans.
Thom Price	Simonson Management Services (SMS)	Kentucky	10 years of experience in the WAP as member of Community Housing Partners (CHP) and technical advisor for DOE WAP. Expertise in energy modeling.
Cal Steiner	Cal Steiner Consulting	North Dakota	30+ years of experience in WAP as a crew person, foreman, local program manager, estimator, State monitor, State Program Manager, and trainer. Involved in the original CMFERT program. Have performed complete mobile home weatherization and trainings.
Shannon Stendel	Slipstream	Wisconsin	Worked on two manufactured home retrofit programs funded by utilities by reviewing program designs and sharing information learned through industry outreach. Also supported the evaluation of two retrofit pilots delivered in 2015. Currently developing a project named "Reimagining HVAC for New Manufactured Housing."
Darlene Welch	Building Performance Institute (BPI)	New York	10+ years of experience in WAP as a Program manager, auditor, and onsite project manager for WAP subgrantee providing services in two Upstate New York counties that weatherized 350 units annually, 60% of which were

			manufactured homes. Currently working in standards and certification development. Previously worked as program manager and auditor for WAP sub-grantee providing services in two Upstate NY counties.
TRAINING CENTERS			
Tom Andrews	Michigan Training and Education Center (MiTEC)	Michigan	30 years of experience in WAP as a technician, trainer, and training center manager/team leader. Experienced trainer on the Weatherization Assistant energy audit software, mechanicals, and auditing. Proctor for Energy Auditor (EA) and Quality Control Inspector (QCI).
Chris Clay	Building Performance Center	Washington	26 years of experience in WAP. Currently the Quality Assurance Manager for the Weatherization Program at The Opportunity Council and the senior technical trainer for the Building Performance Center. Has overseen mobile home weatherization at the agency for over 20 years. Provided training on manufactured homes in Washington, Alaska, and Illinois. Participated in the SWS committee for manufactured home weatherization.
Bill Eckman	The EnergySmart Academy at Santa Fe Community College (SFCC)	New Mexico	11 years of experience in WAP as an insulation crew member, single-family and manufactured home auditor, lead multifamily auditor, Quality Control Inspector (QCI), trainer, and curriculum developer. Currently performs training throughout New Mexico and neighboring states of Texas, Colorado, Kansas, and Nebraska. Has also worked with manufactured home manufacturers in Pennsylvania on structural designs of floor systems.
Ray Lester	Community Housing Partners (CHP) Energy Solutions	Virginia	10+ years of experience in WAP as a trainer. Main trainer for manufactured home classroom and infield courses. Also involved with all aspects of training as it relates to WAP, including Retrofit Installer Technician (RTI), Crew Leader (CL), Energy Auditor (EA), and Quality Control Inspector (QCI). Holds many BPI certifications.
Jamie Marshall	Corporation for Ohio Appalachian Development (COAD)	Ohio	15 years of experience in WAP as a training coordinator. Has conducted manufactured home weatherization training both in the classroom and in the field.
Robert Parkhurst	Slipstream	Wisconsin	30+ years of experience in WAP and utility programs as an agency worker, manager, trainer, data analyst, and policy person.
Christin Willman	Indiana Community Action Association (INCAA)	Indiana	13+ years of experience in WAP. Prior owner/President of an energy consulting company that performed work under WAP through contracts with subgrantees, completing over 3,000 energy audits and final inspections. Currently the Weatherization Training Center Director of Training. Involved in writing the Indiana State Plan, Indiana Field Guide, and Indiana Health and Safety Plan.

GRANTEES			
Steve Divan	Oregon Housing and Community Services	Oregon	25+ years of experience in WAP working at a subgrantee (crew member, auditor, inspector, and program manager) and currently at the state (compliance officer, training and technical assistance coordinator, and now WAP Program Manager. Involved in a recent mobile home replacement pilot in Oregon.
David Dyer	West Virginia Development Office	West Virginia	8+ years of experience in WAP as a weatherization compliance monitor and currently as an assistant weatherization Program Manager. Creates and guides policy on manufactured homes in addition to preparing the Manufactured Housing SWS for the network. Inspects homes. Hold a BPI Manufactured Housing Certificate and QCI.
Michael Frary	Arizona Department of Housing	Arizona	11+ years of experience in WAP as a state program manager and technical monitor. Involved in the state plan development and implantation. Assistant subgrantees with technical assistance in homes that require outside the box thinking or guidance on how they can approach the home for weatherization.
Bruce Hagen	North Dakota Department of Commerce	North Dakota	38 years of experience in WAP as a subgrantee employee and currently as the Program Manager for the DOE and LIHEAP weatherization programs in North Dakota. Also designed the software used in our audit tool and involved with the training and monitoring of subgrantees.
Elizabeth Moberg	Maine State Housing Authority	Maine	10+ years of experience in WAP as a state monitor and quality control inspector. Inspects weatherization jobs. Provides training and training resources to Subgrantees and their contractors. Contributes to the annual DOE State Plan and maintains state standards and SWS manuals.
SUBGRANTEES			
Mike Biggers	Community Development Support Association (CDSA)	Oklahoma	11+ years of experience in WAP as a contractor, energy auditor, quality control inspector, and currently as the Program Manager for a subgrantee. Involved in setting up the new KSAs and JTAs for RIT and Crew Chief. Worked on the new WAP Managers training with IREC. BPI Certified EA, BA, and QCI.
Sam Daugherty	Community Action Council of Lewis, Mason & Thurston Counties	Washington	18+ years of experience in WAP as a crew member, crew lead, trainer, and currently a QCI/EA certified Weatherization Program manager. 50-60% of production is in manufactured homes. Member of the Washington State Technical Development Committee for 11 years that develops specifications for the state WAP. Worked to conform state specifications to meet the new SWS in the ARRA era.

Richard Martinez	Energy Resources Center – San Luis Valley	Colorado	21 years of experience in WAP as a crew member, furnace installer, and auditor. Half to two thirds of the annual production consists of all types of manufactured homes.
Michael Robertson	Lake Community Action Agency	Florida	11+ years of experience in WAP as an auditor (including manufactured homes) and currently as the Director of Energy Services which oversees the weatherization program. Current Vice President of the Florida Weatherization Network and Chairman of the Technical Committee. Formally involved with the Good Cents Program that served to provide major changes in the efficiency of Manufactured Housing.
Jon Sigmon	Blue Ridge Community Action	North Carolina	Lead Project Manager at the subgrantee that operates WAP, LIHEAP, Duke Energy Carolinas, and Blue Cross Blue Shield Healthy Homes Initiative programs in multiple state counties, with prior experience as an auditor and inspector. Large percentage of the homes weatherized are manufactured homes. Designated trainer for new WAP field staff. A Certified QCI, EA, and BA.
Mick Wachtel	Community Housing Partnership	Idaho	28 years of experience in WAP as a crew member, crew leader, auditor, inspector, production supervisor, Weatherization Manager, and currently the Weatherization Coordinator.
Todd Williams	EcoMize USA LLC	Maryland	Operations manager and auditor at EcoMize USA, which is a state-wide contractor in Maryland's Low-Income Energy Efficiency Program (LIEEP) and a subcontractor for select WAP subgrantees. Responsible for day to day operations, production, safety, and training for the weatherization department. Also, 3 years of prior experience in WAP as a state monitor and trainer. Holds a BPI Manufactured Housing certification.