



Weatherization Training Providers Summit

National Renewable Energy Laboratory

Jal Desai, Juliana Williams, and Cory Chovanec

April 4, 2023

Context

The Training Providers Summit fosters dialogue across the U.S. Department of Energy (DOE) and the Weatherization Assistance Program (WAP) training network, providing an opportunity to:

- Share feedback
- Discuss challenges and successes
- Provide updates.

The outcomes of these efforts help DOE plan how to support the WAP network through policy guidance, resources, and other tools.

Agenda

8:30-9 a.m.	Welcome and Introductions (30 mins)
9- 9:15 a.m.	NREL Updates (15 mins)
9:15- 10:00 a.m.	Program Updates and Q&A with DOE (45 mins)
10-10:30 a.m.	Break
10:30-12 noon	Roundtable Discussion (90 mins) <ul style="list-style-type: none">• Challenges, lessons learned, opportunities.
12-1 p.m.	Lunch Break (on your own)
1-2:15 p.m.	Peer Discussion and Presentation (75 mins) Career Development and Workforce Development <ul style="list-style-type: none">• Recruiting and Retaining a Diverse Workforce• Internal Capacity building• Career progression of training center staff.
2:15-2:45 p.m.	Break
2:45-3:45 p.m.	Peer Discussion and Presentation (60 mins) Partnership and collaboration between training centers <ul style="list-style-type: none">• Potential mentorship and synergies across training centers• Long Term Strategies beyond training WAP participants.
3:45-4:45 p.m.	Trainers Consortium Update (60 mins)
4:45-5 p.m.	Closing Remarks (15 mins)
5-5:45 p.m.	Meet and Greet with Grantees and Peers (45 mins)

Summit Team

- Derek Schroeder (U.S. DOE)
- Jal Desai (NREL)
- Juliana Williams (NREL)
- Cory Chovanec (NREL)
- Ben Cichowski (SMS)
- Jonathan Ballew (NASCS).

Today's Objectives

- ✓ Discuss resources and innovative approaches to weatherization training
- ✓ Share your experience and identify training center challenges
- ✓ Crowdfund solutions to identified challenges
- ✓ Provide feedback to DOE on ways they can support WAP training organizations
- ✓ Collect resources to share back with the group.

Expectations

- General comments and feedback will be anonymous outside of today's summit.*
- Mutual respect and equal floor time for all participants.
- We want to hear from everyone.

*However, we do want to be able to share best practices!



Summit Attendees by Location

- Stand up when your time zone is called.
 - Name
 - Organization.



<https://nascsp.org/wap/waptac/weatherization-training-centers/>

NREL Updates

(15 minutes)

Weatherization Support at NREL

NREL provides technical assistance and research to support high-quality work and highly qualified workers in the weatherization and home performance industry.

- Maintaining technical specifications and tools:
 - Standard Work Specifications, Installer Job Aids, 3D House, etc.
 - Support for Weatherization Assistant.
- Strengthening workforce skills and qualifications:
 - EA/QCI Schemes, Multifamily, and Crew Leader, etc.
- Technical assistance and research
- Collaborating with training providers and stakeholders:
 - Continuous improvement workshops, WAP Trainers Summit, etc.



Photo by Dennis Schroeder, NREL

NREL Resources

WAP programmatic online training:

<https://wap.litmos.com>.

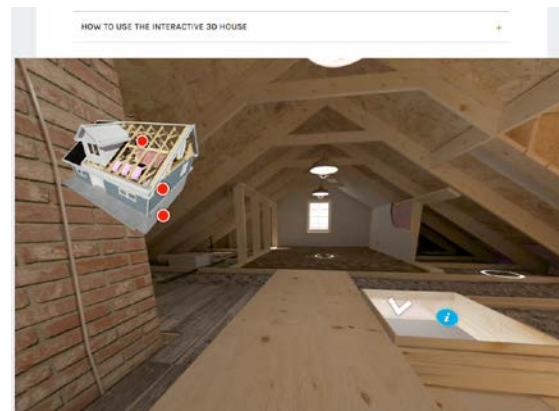
Guidelines for Home Energy Professionals (HEP):

- Standard Work Specifications, HEP certifications, Accredited Training.

<https://www.energy.gov/scep/about-guidelines-home-energy-professionals-project>.

Weatherization Job Aids and 3D House:

<https://www.energy.gov/eere/wap/weatherization-installer-job-aids-and-single-family-interactive-3d-house>.



A screenshot of the Energy.gov website. The header includes the Energy.gov logo and the text "Office of ENERGY EFFICIENCY & RENEWABLE ENERGY" and "Weatherization Assistance Program". Below the header is a navigation menu with "Dashboard", "Content", "People", "Teams", and "Reports". The main content area shows "Courses" and "Managing Multiple Funding Streams". A course card for "Managing Multiple Funding Streams" is displayed, featuring a thumbnail image of a house and the text: "Can additional funding benefit your weatherization program? In this course, you will Establish how to leverage the flexibility of multiple funding sources to maximize the Estimated time: 15 minutes". A "Preview Course" button is visible. At the bottom, there is a footer with "Content", "People", "Learning Paths", "Teams", "Proficient Instructors", "Noticeboard", and "Additional Ref".

NREL Updates

- WAP Field Staff Demographic Data Collection:
 - Starting at the National Home Performance Conference (HPC)
 - Training Center support will be vital to the success of this effort.



Your input can help improve Weatherization training resources!

Scan the QR code to access a brief questionnaire to tell us more about yourself.



bit.ly/WAPdata



National Renewable Energy Laboratory
15013 Denver West Parkway, Golden, CO 80401
303-275-3000 • www.nrel.gov

NREL prints on paper that contains recycled content.

NREL is a national laboratory of the U.S. Department of Energy, Office of Energy Efficiency and Renewable Energy, operated by the Alliance for Sustainable Energy, LLC.

Work in Progress

- Heat pump toolkit
- Online installer badging platform
- SWS photo gallery
- 3D house enhancements (manufactured housing)

U.S. DEPARTMENT OF **ENERGY** Office of ENERGY EFFICIENCY & RENEWABLE ENERGY

5-2

Contención, sellado y aislamiento de escalera de ático abatible

Guía de trabajo para insignia de tratamiento de escotilla de ático

Cumple con las especificaciones normalizadas de trabajo 3.0103.1



Las escaleras desplegables pueden ser un punto débil en las barreras térmicas/de presión, y también pueden permitir que el aislamiento caiga dentro de la casa si no se respesan apropiadamente.



1 Construya una cubierta por encima y alrededor de la escalera desplegable, más alta que la altura final del aislamiento.



2 Aísle la parte superior y los lados de la cubierta de la repesa, de acuerdo con el valor R correspondiente. Utilice materiales que cumplan con los requisitos del código de seguridad contra incendios aplicable (p. ej., barreras térmicas o de ignición).



3 Selle contra fugas de aire los espacios en el armazón y los bordes de la moldura según sea necesario.



4 Selle contra fugas de aire con cinta de espuma de celda cerrada o burletes. Instale los pestillos necesarios para garantizar que la puerta de acceso se cierre herméticamente contra el burlete.



DESPUÉS Las escaleras desplegables del ático deben estar selladas y aisladas de forma segura y duradera para evitar el movimiento del aire y reducir la transferencia de calor.


Program Updates and Q&A With DOE

(45 minutes)

DOE Updates

- Future outlook and the important role of training organizations
- Crowdsource ideas today about how DOE can help support WAP training centers:
 - DOE is excited to hear from everyone.

The screenshot displays the Energy.gov website interface. At the top, there is a navigation bar with the 'ENERGY.GOV' logo on the left and links for 'Newsroom', 'Leadership', 'Energy.gov Offices', and 'National Labs' on the right. A search bar is also present. Below the navigation bar, a horizontal menu lists several program areas: 'Office of STATE AND COMMUNITY ENERGY PROGRAMS', 'ABOUT SCEP', 'WEATHERIZATION ASSISTANCE PROGRAM', 'STATE AND LOCAL SOLUTION CENTER', 'STATE ENERGY PROGRAM', 'COMMUNITY ENERGY PROGRAMS', and 'ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT PROGRAM'. The 'WEATHERIZATION ASSISTANCE PROGRAM' link is highlighted with a dropdown arrow. The main content area features three large, overlapping image tiles. The largest tile on the left shows an aerial view of a residential neighborhood with the text 'About the Weatherization Assistance Program'. To its right, a smaller tile shows a stack of papers with the text 'Program Notices & Memorandums'. Below that, another tile shows a 3D cutaway of a house with red dots indicating energy efficiency upgrades, with the text 'Visual Guides for Home Energy Efficiency Upgrades'.

A background image showing a crowd of people with their hands raised, suggesting an interactive session or a meeting. The image is slightly blurred and has a dark overlay.

Before we get started, are there any questions you would like to ask DOE or ideas to share?

How can DOE help support training centers?

Break

(10 minutes)

Roundtable Discussion

(90 mins)

Challenges, lessons learned, opportunities

Roundtable Discussion Instructions

- 8 roundtables, ~5 people at each table
- Each table identifies the top 2 challenges their organization is experiencing (10-15 minutes):
 - The whole group will discuss possible solutions to the challenges.

Write your challenges on the provided materials

Group Discussion: Solutions

Guiding Questions for WAP Trainers

- What solutions could be helpful to address this challenge?
- What successes have you had?

If you had a magic wand and could change something, what would you do?

Roundtable Activity: Prioritizing Feedback

Using the stickers provided, select:

- 3 highest priority challenges, AND
- 3 favorite/highest priority solutions.

Lunch Break (On your own)

60 minutes – back at 1 p.m.



Peer Presentations and Group Discussions

Career and Workforce Development

Career and Workforce Development

Recruiting and Retaining a Diverse Workforce

Career and Workforce Development

Internal Capacity Building

Career and Workforce Development

Career Progression of Training Center Staff

Break

(10 minutes)

Career and Workforce Development

Mentorship (Training Center to Training Center)

Career and Workforce Development

Long-Term Strategies Beyond Training WAP Participants

Trainers' Consortium Update

Ben (SMS)

Open Forum Discussion

Share challenges and solutions

Wrap Up and Next Steps



Next Steps

- ✓ Send out attendee contact info
- ✓ Summary and/or resource list
- ✓ Take the post-workshop evaluation.



Meet and Greet

Thank you!

<https://www.nrel.gov/state-local-tribal/weatherization.html>

NREL/PR-6A20-85764

This work was authored by the National Renewable Energy Laboratory, operated by Alliance for Sustainable Energy, LLC, for the U.S. Department of Energy (DOE) under Contract No. DE-AC36-08GO28308. Funding provided by the U.S. Department of Energy Office of Energy Efficiency and Renewable Energy Weatherization and Intergovernmental Programs. The views expressed in the article do not necessarily represent the views of the DOE or the U.S. Government. The U.S. Government retains and the publisher, by accepting the article for publication, acknowledges that the U.S. Government retains a nonexclusive, paid-up, irrevocable, worldwide license to publish or reproduce the published form of this work, or allow others to do so, for U.S. Government purposes.

