

Make the Most of Online Weatherization Training Resources

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Objectives

At the conclusion of this session, participants will be able to:

- Locate appropriate federal online training resources available for the weatherization workforce
- Recognize the diverse job roles that can benefit from existing online training
- Engage with upcoming weatherization training resources.

POLL



What type of organization do you represent?



Weatherization Administrative Trainings

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Weatherization Assistance Program

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Content Library

Achievements



 Weatherization Administrative trainings launched in Spring 2020 and are freely available at:

https://wap.litmos.com.



Based on network feedback, the U.S. Department of Energy (DOE) charged NREL with developing online training for Weatherization Administrative Professionals.

Primary Audience:

- Weatherization Program Director
- Fiscal Manager
- Quality Assurance Manager.

Secondary Audiences:

- Field crews
- Subcontractors
- Utility low-income efficiency staff
- Agency Directors/Grantees.

About the Courses

- Short, targeted learning courses (10-15 minutes long)
- Interactive activities to practice job tasks
- Courses can be repeated as often as desired
- Knowledge checks to track progress
- Extensive downloadable resources
- Downloadable completion certificate.



Course Content

• 29 Administrative trainings are grouped into the following learning paths:



Planning and Budgets



Fiscal Tasks



Procurement



Management



Client Relations



Quality Improvement



Economics of Weatherization



Multifamily Weatherization



Learning Pathway: Procurement

- Subcontractor or Employee?
- To Purchase, or Not to Purchase?
- Develop Scoring Criteria for Evaluating Proposals
- Draft and Issue a Solicitation
- And the Winner Is....Select a Subcontractor
- Crossing the Finish Line: Subcontracting.

And the Winner Is...Selecting a Subcontractor



- Audiences: Agencies and Subcontractors
- Learning activities include developing and applying scoring criteria to evaluate proposals.
- Subcontractors can learn about the factors agencies consider in awarding contracts.

Minimum Requirements Insurance Experience License

Evaluation

Select each bidder to see how they score.







Requirement	Value	Bid A	Bid B	Bid D	
Fair market price	40				
Past Performance	20				
Experience	10				
References	10				
Completeness of the bid	10				31
Woman/Minority/Small business	5				
Worker training and certification	5				(40)111
Total points	100				

Notifying Respondents of Their Status





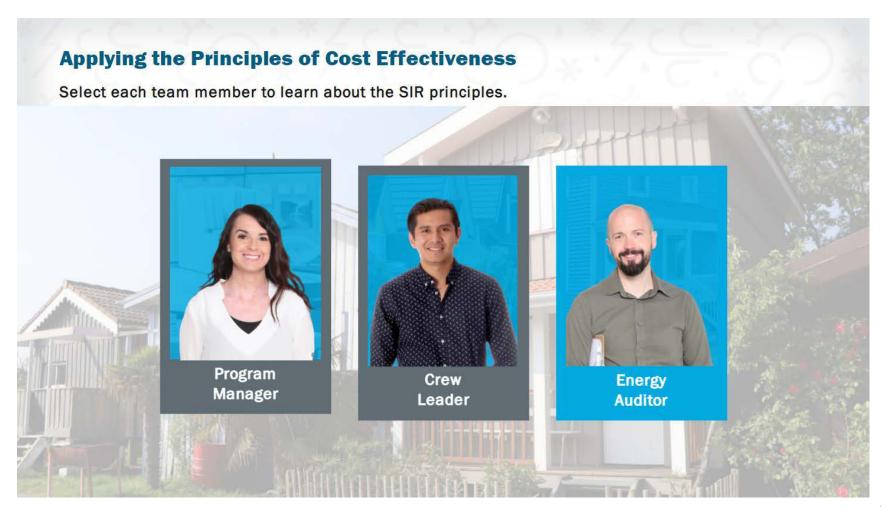
Learning Pathway: the Economics of Weatherization

- **Understanding Savings-to-Investment Ratio** (SIR)
- The House as a System.

Understanding the Savings to Investment Ratio

By the end of this course, you should be able to: Describe the principles of cost-effectiveness and savings-to-investment ratio (SIR) Identify what can impact the SIR for each measure Determine what can impact the total SIR for a job

- Audiences:
 Administrative staff,
 Field Crews, Utility staff
- Useful for understanding how weatherization projects are scoped, communicating costeffectiveness.

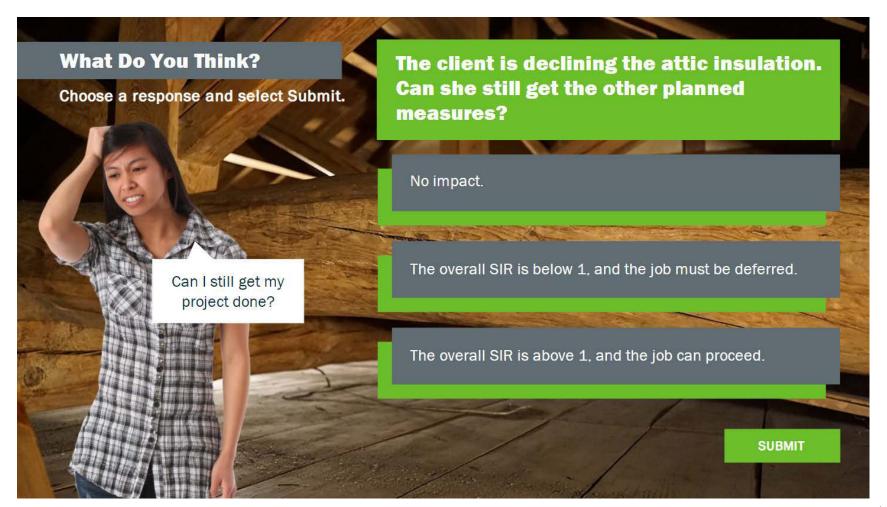


What Can Impact the SIR?

There are a number of factors that can impact the SIR calculation.

Select the tabs to view more information about what can impact the SIR.







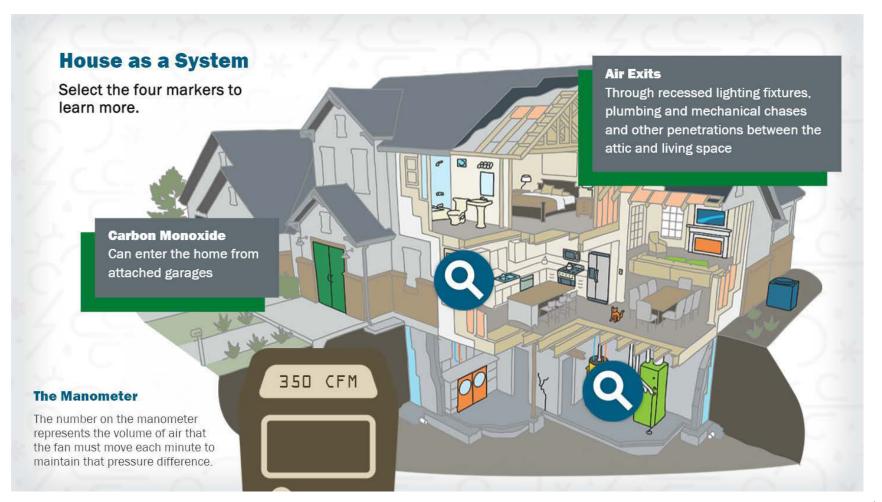
Learning Pathway: The Economics of Weatherization

- **Understanding Savings-to-investment Ratio** (SIR)
- The House as a System

The House as a System

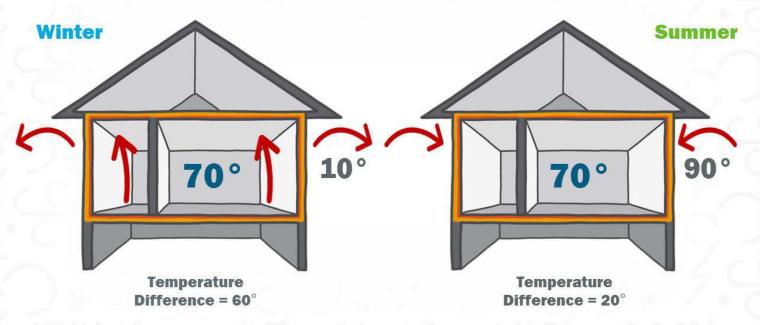


- Audiences: Fiscal staff, client intake, program managers
- Useful for helping nontechnical staff understand basic building science and how it affects production. Helpful for communicating to clients and non-WAP funders.



Controlling Air Flow

Consider how controlling air flow, such as by sealing air leaks, affects other areas of the home...

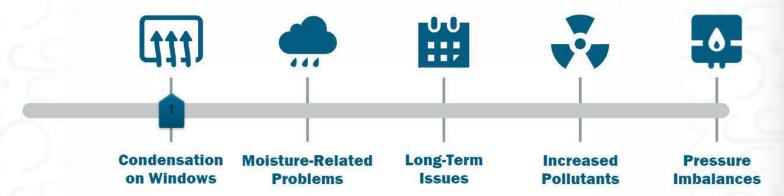


The higher the temperature difference, the more heat and air will escape the building.

Maintaining Balance

When installing weatherization measures, the key is to maintain the system's balance.

Move the slider to the right to see more.





Condensation on Windows

This can be exacerbated by reduced air exchange, resulting in increased moisture levels in the home. The windows will be the first place Eva will see signs of high relative humidity.

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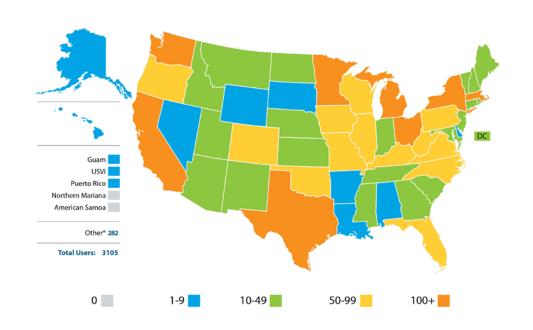
Economics of Weatherization



Multifamily Weatherization

Training Uptake

- So far, over 3,400 users have created accounts to take trainings.
- Widespread usage across the network.
- Over 21,000 courses completed.



User Locations as of November 24, 2020.

Q&A





COVID-19 Workplace Safety Training

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Achievements



- In June 2020, the COVID-19 Workplace Safety course developed by the Energy Smart Academy was added to https://wap.litmos.com.
- Weatherization Assistance Program (WAP) stakeholders will have access to this training in both English and Spanish through June 2021.

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Weatherization Assistance Program

Home Content Library

Achievements



The 4-hour course covers:

- Basics of the virus
- Safety precautions:
 - Office protocols
 - Home protocols
 - Contractor and crew protocols
- Communication.

Grantee Trainings

Grantee Trainings

- Similar to the Administrative Trainings, NREL and it partners are developing a series of trainings for WAP Grantees.
- Recruited a cohort of Grantee Subject Matter Experts to help develop the content.
- Anticipated launch in Spring 2022.
- If you are interested in helping during the review and pilot period before the new courses go live, please email the IREC team: credentialing@irecusa.org.

Installer Badges Toolkit

Installer Badges

- Within WAP, Job Task Analyses (JTA) are the basis for developing worker certifications and accredited training programs.
- In 2018, the WAP combined the Retrofit Installer Technician JTA with the Crew Leader JTA, eliminating the need for two separate qualifications.
- The tasks that were previously included in the Retrofit Installer JTA were developed into a series of task-specific badges.



Installer Badges Toolkit

- The Installer Badges Toolkit consists of 25 badges.
- Each badge defines a weatherization task or measure an install might perform in a home. Examples include:
 - Air Seal Attic Floor
 - Install Dense-Pack Sidewall Insulation
 - Install Exterior Roof Penetration
 - Work Lead-Safe.
- Toolkit was designed to be adopted by WAP programs and utility low-income energy efficiency programs.
- Download toolkit at: https://sws.nrel.gov/installerbadges.

Q&A





THANK YOU

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