

Technical Management Areas

WEATHERIZATION ASSISTANCE PROGRAM

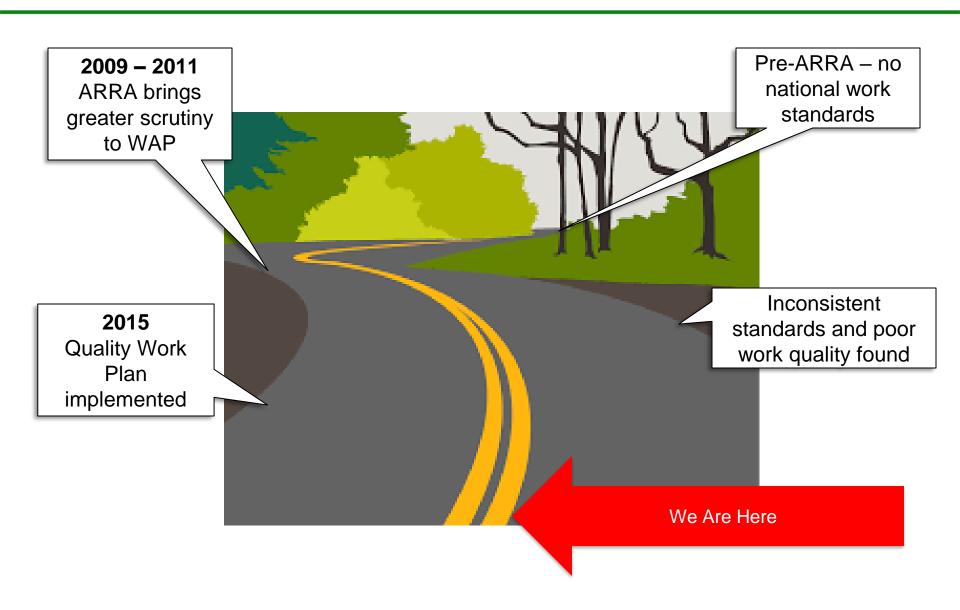
May 2021



Session Overview

- How we got here
- Brief Overview Technical Management Areas
 - SWS & Field Guides
 - Training & Certifications
 - Inspections & Monitoring
- Open to Discussion

How we got here



Why Quality Work Plan?

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Shoddy Work Found in $22.3 Million

Shoddy Work Found in $22.3 Million

Low Income

Energy Efficiency Work

Leaves Homeowner Cold
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Stimulus Weatherization Contract

Subpar Work Found Statewide

What is the Quality Work Plan?



- Standard Work Specifications
 - Field Guides
- Training and Certifications
 - Home Energy Professional
 Occupations
 - Accredited Training
- Inspections and Monitoring

Resources: WPN 15-4

Standard Work Specifications (SWS)



Field Guides - What you need to know

- 5-year approval cycle
- Must align with SWS
 - Or have approved variance request
- Must communicate standards & notify network

Resources: <u>Training Videos</u>, WAP <u>Memo 70</u>, <u>WPN 15-4</u>



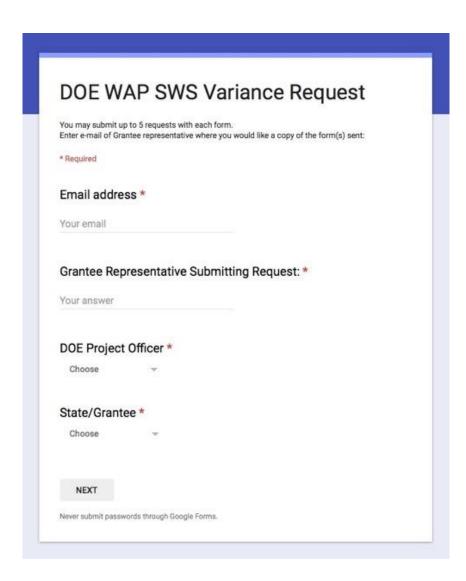
Field Guides - SWS and Variance Requests

A Conundrum:

- Field guides must align with the SWS.
- Sometimes the SWS don't work for you.

The solution:

Submit a Variance Request



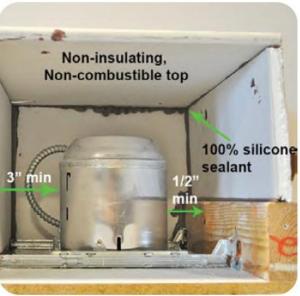
Field Guide Review Process

Revisions & Grantee Grantee Technical Final Draft submits guide reviews & Reviewer Approval revises Field to Project compares Officer Guide guide to SWS Technical assistance from Review for Recommends Engage DOF Subgrantees & completeness edits and/or • Time estimate: it contractors approval • Time estimate: 1 depends! • Time estimate: 4 week or less Time estimate: 1 week to 1 month months **Approval Letter sent and dates** updated in PAGE

Field Guide Sample - Non-IC Can Lights



 Clear any debris from around non-IC-rated can light



2. Enclosure has 3 inches of clearance from lamp to insulation on all sides, at least 1/2 inch from any combustible material, such as wood



5. Top of box must be R-1 or less and left free of insulation. Flag enclosure for added visibility

Field Guide Sample - Attic Air Sealing



Remove existing 1. insulation

Remove existing insulation as



5. Seal plumbing vent stacks



2. Remove dust and debris

Sweep or vacuum away any dust



6. Air seal chases, drop soffits



3. Seal all top plates

 Seal with caulk or one part foam to ensure proper adhesion.



7. Photograph work

 Take photos of all work that is not easily accessible or that will be



4. Seal electrical penetrations

· Seal with caulk or one part foam to

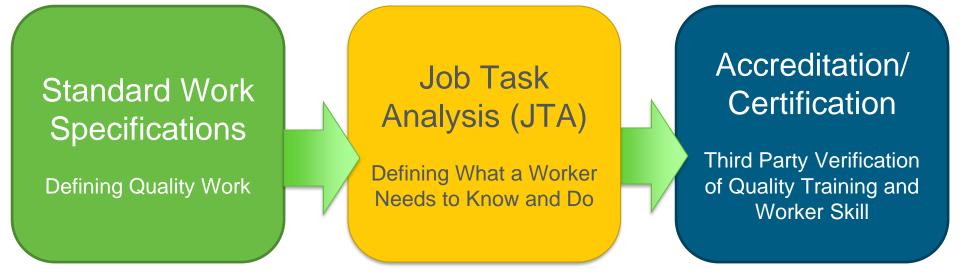


8. Worst Case Draft Test

Field Guides - Where to Learn More

- WAP Memo 70 SWS 2020 Update, Field Guide Renewal Dates
- WPN 15-4, Sections 1 & 2 Describe SWS alignment and distribution requirements
- Application Instructions Master File Section V.5.1 Technical Guides and Materials
- WAP Website Training Resources: <u>https://www.energy.gov/eere/wap/weatherization-assistance-program-grantee-managers-training-toolkit</u>
 - SWS tool navigation training
 - Field Guide and Variance Request Review Process webinars
- SWS https://sws.nrel.gov
- Variance Request Form:
 - https://goo.gl/forms/GeLNgwYWEgK2aNup2

Training – How pieces fit together



JTA is the Foundation



Training - Basic Requirements

- Analysis of training needs
- Plan to meet those needs
- Comprehensive training on Grantee-determined schedule
 - Accredited training providers
- Specific training on as-needed basis

Resources:

<u>Annual Application Instructions</u> - Master File V.8.4

WPN 15-4, WAP Memos 34, 36, 50, RFP Toolkit

Comprehensive Training Definition

- Home Energy Professional occupation.
 - Retrofit Installer Tech/Crew Lead
 - Energy Auditor/Quality Control Inspector
- Aligned with Job Task Analysis (JTA) for occupation.
- Administered by, or in cooperation with, accredited training center.



Specific Training Definition

- Single-issue.
- Addressing deficiencies in the field.
- No federal requirements for training provider.
- Management, administrative, fiscal and conference trainings are considered Specific (Tier 2)





If T&TA stood for Teeth and Tooth Aches

- Comprehensive is your regular bi-annual cleaning.
- Specific is the emergency visit when you break a tooth.



Comprehensive



Specific

Training - Timeline

- Training Plans must ensure that all Weatherization field staff receives regular Comprehensive (Tier 1) training.
- Each Grantee will decide on the regularity of training based on workforce needs and availability of funds.
- Tip: Use the T&TA <u>Planning and Reporting Template</u>
 - Training Video

T&TA Planning and Reporting Template

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	A	В	С	D	Е	F	G	Н	1	J	K
1	Training Topic(s)	Training Requested or Initiated by?	Training Category	Comprehensive or Specific Training?	Job Task Analysis (JTA)	Scheduled Date(s) of Training?	Duration of Training (hours)?	Continuing Education Unit(s) Offered?		Attendance Mandatory?	
28	Auditor	Program Requirement	Technical	Comprehensive	EA	Online with field prep and exams in person later in the year	36 online plus 2 days in person	36	Energy Smart Academy	Yes	\$30,000.00
29	Crew Leader	Program Requirement	Technical	Comprehensive	CL	Online	15	15	Energy Smart Academy	Yes	\$15,000.00
30	Peer Exchanges	Program Requirement	Programmatic	Specific			8	0	MFA	No	\$2,000.00
31	HVAC Training	Subgrantee Request	Technical	Specific		Online or in person TBA	1 8	4	Energy Smart Academy	No	\$4,000.00
32	2 CFR 200	Subgrantee Request	Financial	Specific			10	0		No	\$2,000.00
33	Cost Allocation	Program Requirement	Financial	Specific			10	0		No	\$2,000.00
34	Program Management	Program Requirement	Programmatic	Specific			10	0		No	\$2,000.00
35	Conferences	Subgrantee Request	Technical	Specific		September, 2021, January 2022, April 2022	126	Usually	NASCSP, BPA	No	\$20,000.00
36	Other Specific Training	Subgrantee Request	Technical	Specific		ТВА	16	Depends on class	Energy Smart Academy	No	\$67,225.70

https://www.energy.gov/eere/wap/downloads/training-and-technical-assistance-plan-template

Certifications

- 4 HEP Certifications available:
 - Energy Auditor (EA)
 - Micro-Credential Quality Control inspector (QCI)
 - Retrofit Installer/Technician (RIT)
 - DOE no longer maintains
 - Crew Leader (CL)
 - DOE no longer maintains
- 1 HEP Certification federally required:
 - Quality Control Inspector (QCI)

Installer Badges Toolkit

Installer Badges



Job Task Analysis (JTA) and Standard Work Specifications

(SWS) are the underlying foundation for certification schemes and for the accredited training programs. The Retrofit Installer Technician tasks are the basis of the 25 Installer Badges. Examples include:

- Work Lead-Safe
- Air Seal Attic Floor
- Seal and Dam High-Temperature Heat Sources in Attic
- Prep Attic Floor for Insulation



Download the toolkit: https://sws.nrel.gov/installerbadges

HEP Certifications – Where to Learn More

- BPI http://bpi.org/certified-professionals
 - Includes application forms, prerequisites, exam fees, certification scheme handbooks, exam prep tips, and more, for each certification.
- JTAs that certifications are built on:
 - https://energy.gov/eere/wipo/guidelines-home-energy-professionalsaccredited-training#jta
- DOE WAP Standardized Training Curricula aligned with JTAs (2.0 versions):
 - https://www.energy.gov/eere/wap/weatherization-managementresources/weatherization-training-resources/weatherization-0
- WAP Memo 50 RIT/Crew Lead Update
- WAP Memo 36 Energy Auditor/QCI Update

Inspections & Monitoring

We've defined the work, now hold everyone to it.



Inspections - Subgrantee

Every DOE WAP unit reported as a "completed unit" must receive a final inspection ensuring that all work meets the minimum specifications outlined in the SWS in accordance with 10 CFR 440.

- Every client file must have a form that certifies that the unit had a final inspection and that all work met the required standards.
- The form must be signed by a certified QCI.



Inspections – Grantee Monitoring

A minimum of 5% of completed units will receive a quality assurance review, performed by a certified QCI

 If a subgrantee staff person performs both the initial energy audit and the final QCI, then the Grantee will increase monitoring to at least 10% of completed units

Inspection & Monitoring Forms

- Do they align with your DOE approved field guides?
- Do they align with work orders?
- Do they account for missed opportunities?
- How often are they updated?
 - By whom?



Inspection & Monitoring

Master File V.5.3 Final Inspection

- Certification requirement.
- Disciplinary actions.
- O Grantees will provide a copy of relevant policies and procedures that will govern the quality control inspection process in accordance with WPN 15-4 Section 3 and outline disciplinary actions for inadequate inspection practices. This should include a description of how the inspector is related to the work being done on the home (i.e. did they also audit the home or are they an independent third-party?) as well as the percentage of homes that will be included in the Grantee monitoring process.

V.5.3 Final Inspection – Disciplinary Actions



Thank you!

Questions?

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Resource Review

All WPNs (Guidance) referenced is available here:

https://energy.gov/eere/wipo/weatherization-program-

guidance

Sortable by topic

Active vs. Inactive

