

Considerations for Managers and Administrators

The National Association for State Community Services Programs (NASCSP)

Our Mission

Increasing capacity in States to achieve economic security and energy efficiency in low-income communities.

The National Association for State Community Services Programs (NASCSP) is the sole national association charged with advocating and enhancing the leadership role of States in the administration of the Community Services Block Grant (CSBG) and Weatherization Assistance Program (WAP).

NASCSP CSBG members represent all 50 states, DC, Puerto Rico, American Samoa, US Virgin islands, Guam and Northern Mariana Islands.

WAP State Assistance



Develop Tools and Resources



Facilitate Peer
Learning through
Connection & Sharing
of Promising Practices



Provide Expertise, Guidance, and Support



Provide Training and Technical Assistance

Background

- Weatherization Assistant Suite of Tools (developed by ORNL)
 - National Energy Audit Tool (NEAT)
 - Manufactured Home Energy Audit (MHEA)
 - Multifamily Tool for Energy Audits (MulTEA)
 - Health and Safety Audit (SF, MH, individual MF)
- Relevant guidance
 - 10 CFR 440.21
 - WPN 23-6
 - WAP Memo 091
 - WA v. 10 Training Resources

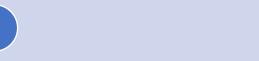
WAP Memo 091

- Updates/Enhancements of note in V. 10
 - Maximum measure lifetime increase to 30 years
 - ASHRAE 62.2-16 calculator
 - Revised HVAC and Duct system forms
 - Single-step HVAC fuel-switching analysis
 - Corrected evaporative cooler efficiency calculations
 - Updates to equipment databases
 - Updates to weather files
 - Non-Energy Impact calculation framework

WAP Memo 091

Begin transition process
November 1,
2022

Transition complete beginning PY '24



Training, Policy review, testing, library building, data migration

WA v. 10 Training

WAP Memo 091

Transition Process

- Notify P.O.
- Documentation submittal
- Import of existing databases
- Data export

ORNL/TM-2023/2833

Web-Based Weatherization Assistant Getting Started Guide



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ORNL IS MANAGED BY UT-BATTELLE LLC FOR THE US DEPARTMENT OF ENERG





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June 28, 2023



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Learning Objectives

- Define a basic conversion plan/timeline
- Create a user hierarchy of WA-web users
- Recall the purpose of each WA-web library
- Identify editable and non-editable libraries
- Define a basic annual library update plan





Figure 1: Weatherization Assistant Initial Page - WAv8 and v10

Poll – Weatherization Assistant Conversion

Is your program planning to convert to Weatherization Assistant web-based (Version 10)?

Potential Responses:

Yes, and we have a plan in-place

Yes, but we do not have a plan set

No



Basic Conversion Plan/Timeline

April 1st Program Year						
Month		Lead	Support	Completed by		
December (previous calendar year)	Notify DOE Project Office and ORNL of intent to use Weatherization Assistant Version 10 (per WAP Memo 091*)	Grantee		Grantee		
February	Statewide WA web-based site available for use (wa-xx.ornl.gov)	ORNL	Grantee	ORNL		
March	Provide access to DOE Project Officer for Library review (per WPN Memo 091*)	Grantee		Grantee		
February-April	I raining for WAV10 Users	Training Provider	ORNL	Training Provider		
May	WAv8.9 Database aggregation and preparation for conversion	Grantee	ORNL	Grantee		
June	WAv8.9 Database conversion to WA web- based (archival)	ORNL	Grantee	ORNL		

Figure 2: excerpt from example conversion timeline

See handout



WAweb Conversion

July 1 st Program Year						
Month	Activity	Lead	Support	Completed by		
March	Notify DOE Project Office and ORNL of intent to use Weatherization Assistant Version 10 (per WAP Memo 091*)	Grantee		Grantee		
May	Statewide WA web-based site available for use (wa-xx.ornl.gov)	ORNL	Grantee	ORNL		
June	Provide access to DOE Project Officer for Library review (per WPN Memo 091*)	Grantee		Grantee		
May-July	Training for WAv10 Users	Training Provider	ORNL	Training Provider		
August	WAv8.9 Database aggregation and preparation for conversion	Grantee	ORNL	Grantee		
September	WAv8.9 Database conversion to WA web- based (archival)	ORNL	Grantee	ORNL		

Figure 3: excerpt from example conversion timeline

Poll – Weatherization Assistant Conversion

Are you concerned about theft of participant information?

Potential Responses:

Yes

No



Purpose and Available User Privilege Levels

Purpose

- Control access to data
- Protect personal information*
- Reduce undesired data changes

^{*}personal information inclusion limited in WA-web

	User	S	Responsibilities (in bold) and level of access to records					
Entity	privilege level	Scope of access	User records	Agency records	Library records	Account records	Audit records	Work orders
ORNL/ developer	Site Administrator	All state- specific databases	Must create at least one State Administrator per state Can edit own user record Can create or edit other user records	Have no restriction to create and edit records (for troubleshooting)				
Grantee	State Administrator	State database	- Can edit own user record except privilege level - Can create or edit other State Administrators - Must create at least one Agency Administrator per agency - Can view users for all agencies	Must create all agencies in the state	Can view libraries, accounts, audits, and work orders			
	Agency Administrator		Can edit own user record except privilege level and agency information Must create all other users in their agency	Can edit their agency record	Can create or edit all libraries, accounts, audits, and work orders		unts,	
Agency personnel and associates	Lead Auditor	Agency records	ecords privilege level and agency information		Can create and edit all libraries	accounts,	e and edit a audits, and	
	Auditor		agency	record	Can view libraries	orders		
	Guest		No ac	No access			Can view audits and orders	

Figure 4: excerpt from Getting Started Guide

User Privilege Levels

- Site Administrator full access (reserved for ORNL support)
- State Administrator view entire state with limited edit capabilities
- DOE Read Only (not shown) view entire state – no editing allowed
- Agency Administrator full access to agency data and editing (user admin)
- Lead Auditor full access to agency audits, libraries, work orders
- Auditor full access to audits and work orders
- Guest view agency audits and work orders only



Example of Agency Admin vs. DOE Read Only

Agency Admin

- Agency data only
- Can view and <u>edit</u>

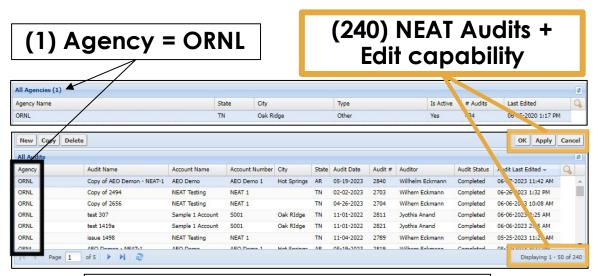


Figure 5: W Aweb view with Agency Administrator login

DOE Read Only

- Statewide data (based upon Agency state)
- View ONLY no editing possible

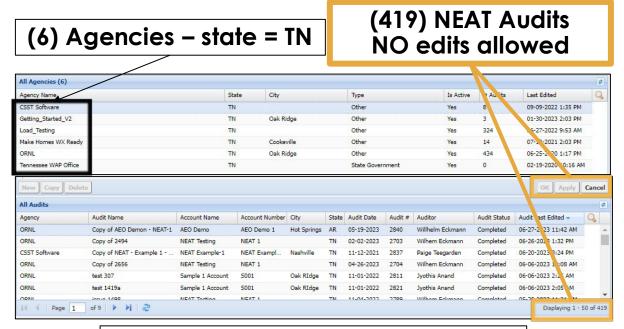


Figure 6: W Aweb view with DOE Read Only-TN login

Poll – Weatherization Assistant Conversion

Are you concerned about users forgetting their login details?

Potential Responses:

Yes, and I've been the point-of-contact for login resets

Yes

No



Standard user creation path

Creator User Type	Creates
Site Administrator	State Administrator
State Administrator	State Administrator Agency Administrator DOE Read Only
Agency Administrator	Agency Administrator Lead Auditor Auditor Guest

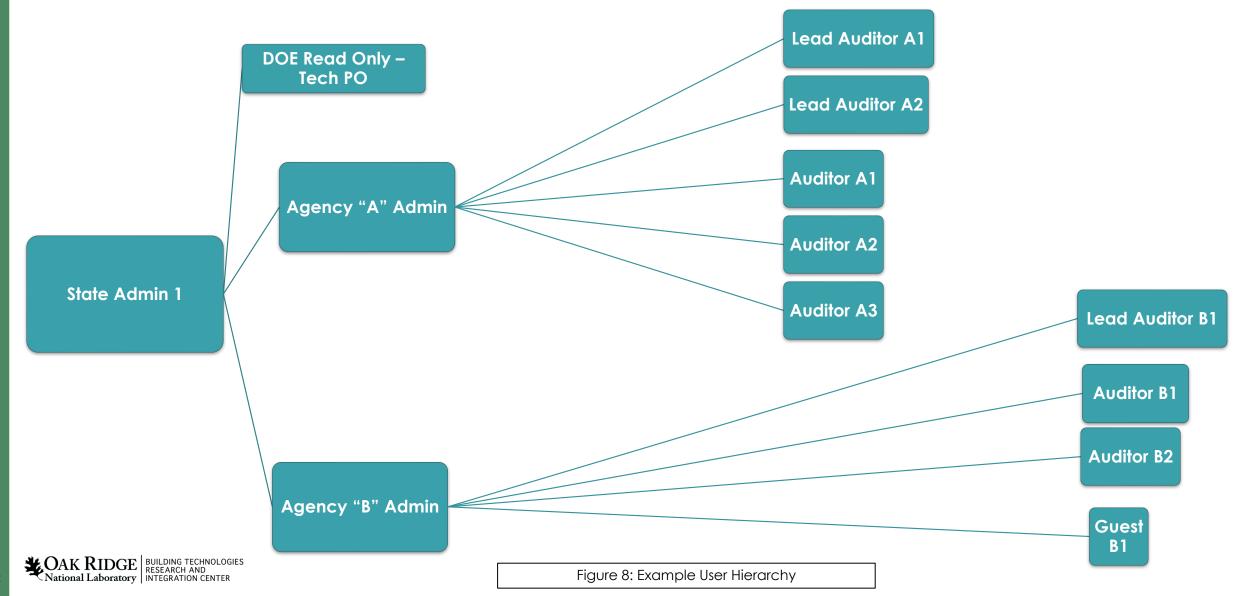
Figure 7: Which users create others





Basic User Hierarchy





Purpose of WA Libraries

- Store standard values for audits
- Limit audit inputs and errors
- Compliance with program requirements

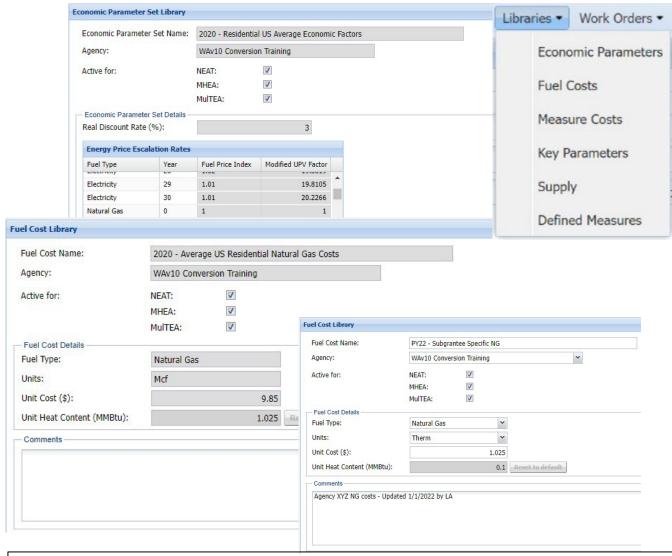
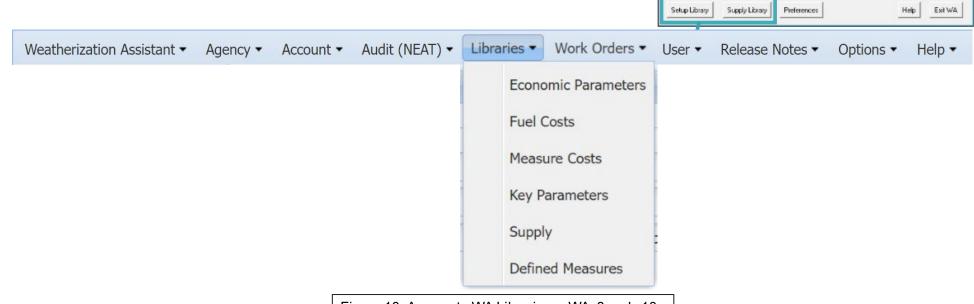


Figure 9: Example WAv10 Libraries - Economic Parameters and Fuel Costs (default and custom)

Accessing Libraries

- Available on WAv10 menu bar
- Many libraries are now separate for easier administration/maintenance
 - Economic Parameters
 - Key Parameters
 - Fuel Costs



WA 8.9.0.5

Agency

Clients
Energy Audits

Site Built (NEAT)

Mobile Home (MHEA)

Work Orders

Data Link

(Database): C:\ProgramData\Weatherization Assistant 8-9\wa8-9.mdb

Description: Default Backend Database File



Figure 10: Access to WA Libraries – WAv8 and v10

WAweb Libraries

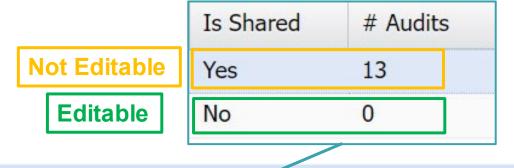
Name/Type	Sub-types/items	Required/Optional	Audit Types
Economic Parameters	NA	Required	NEAT, MHEA, MUITEA
Fuel Costs	Coal, Electricity, Fuel Oil, Kerosene, Other, Natural Gas, Propane, Wood	Required dependent upon use in the building	NEAT, MHEA, MUITEA
Measure Costs	NA	Required	NEAT, MHEA, MUITEA
Key Parameters	NA	Required	NEAT, MHEA
Supply	NA	OPTIONAL (work orders)	NEAT, MHEA
Defined Measures	Health and Safety, Incidental Repairs, Other ECM	Required	NEAT, MHEA

Figure 11: Table of WAweb Libraries



Accessing Libraries – Is it Editable?

- Not editable if either is true:
 - Shared
 - Used by an audit (# Audits > 0)
- Not editable rules protect existing audits/runs from unintentional changes



Agency	Fuel Cost Name	Fuel Type	Is Shared	# Audits	Date Created	Last Edited
WAv10 Conversion Training	~	▼ Natural Gas	Y			
WAv10 Conversion Training	2020 - Average US Residential Natural Gas Costs	Natural Gas	Yes	13	01-05-2021 2:24 PM	12-21-2022 10:12 AM
WAv10 Conversion Training	PY22 - Subgrantee Specific NG	Natural Gas	No	0	12-21-2022 10:10 AM	12-21-2022 10:11 AM
WAv10 Conversion Training	2019 - Average US Residential Natural Gas Costs	Natural Gas	Yes	0	06-29-2020 9:02 PM	03-24-2021 10:46 AM
WAv10 Conversion Training	2018 - Average US Residential Natural Gas Costs	Natural Gas	Yes	0	05-01-2018 9:00 AM	03-23-2021 9:34 AM
WAv10 Conversion Training	Average US Residential Natural Gas Costs - 2017	Natural Gas	Yes	0	06-21-2017 12:28 PM	03-23-2021 9:27 AM
WAv10 Conversion Training	Average US Residential Natural Gas Costs - 2015	Natural Gas	Yes	0	08-01-2014 9:23 AM	03-23-2021 8:44 AM

Figure 12: Fuel Cost Library List

Active vs. Inactive

- Active available for selection in an audit
- Inactive not available for selection in an audit



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Figure 13: Fuel Cost Libraries – Active Custom and Inactive Default Libraries

Custom Libraries

- NEW or COPY
- Unique name required
- "Apply" to save changes

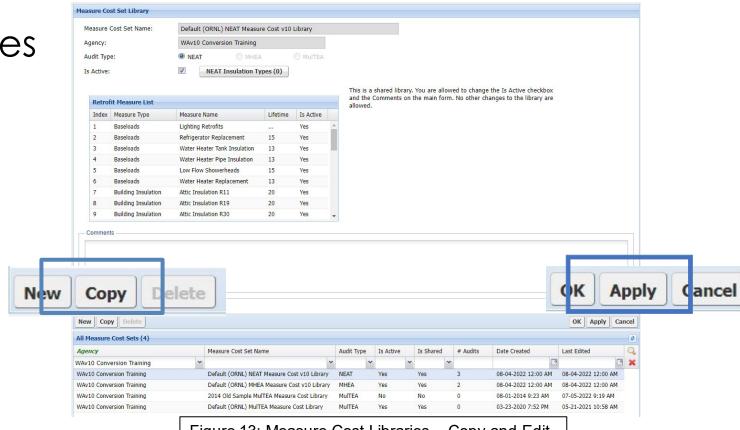


Figure 13: Measure Cost Libraries – Copy and Edit

Poll – Weatherization Assistant Conversion

Do you provide statewide libraries at the beginning of each Plan Year?

Potential Responses:

Yes

No, but we are considering it

No



General Library Update Plan

Library	Who Manages	Update Frequency	Who Confirms/Reviews
Economic Parameters	National and Regional default by ORNL	Annual	Grantee
Fuel Costs	National default (ORNL) State/Local ()	Annual Determined by Plan	NA Grantee
Measure Costs	Grantee OR Subgrantee	Annual Determined by Plan	NA Grantee
Key Parameters	Grantee OR Subgrantee	()	NA Grantee
Supply	Subgrantee	Determined by Plan	NA or Grantee
Defined Measures	Grantee OR Subgrantee	Determined by Plan	NA or Grantee

Image 14: General Library Update Plan







Summary and Questions - General

Public vs. Grantee-specific

- Public
 - No WAP production allowed
 - No personal information allowed
- Grantee-specific
 - Approvable for production
 - Greater data security
 - Full state administration
- Both
 - Latest interface and engine updates

WAv8 Data Conversion

- Recommended Conversion
 - 2-6 months after production switch to WAv10
 - Historic data for reference only

Resetting a User

- Agency Level
 - Agency Administrator (primary)
- State Level
 - State Administrator (primary)
 - ORNL Site Administrator (secondary)
- DOE Read Only Access
 - State Administrator (only)



Summary and Questions – WAweb API & Libraries

3rd-Party Support

- ORNL direct support to 3rdparty – communication link only
- ORNL will not maintain as list of "compatible" companies/software

Statewide Library

 Currently ORNL can manually push an unmodifiable statewide library*

*plans to add this function for State Administrators in future PY

Results Admin

- Historic record of runs?
 - No other than warning related to input modifications and latest run
- Lock completed units?
 - No current facility (similar to WAv8)
 - Option under consideration for future addition
- Push data from external forms to WAv10 database?
 - No facility available, nor planned

Poll – Weatherization Assistant Conversion

Are you working with a 3rd-party software developer?

Potential Responses:

Yes

Yes, and they've said the term "WAweb-API" recently

No





Summary and Questions – WAweb, WA Engine, and WAweb-API

What is WAweb

- Web-based Weatherization Assistant suite of tools
 - NEAT
 - MHEA
 - MulTEA
 - H&S Audit
- Uses a mix of engines:
 - WAv10 NEAT/MHEA
 - DOE2 (hosted by LBL)
- Receives continuous updates and fixes
- Use may qualify for expedited audit approval

WA Engine

- Open-source (public and free to use) version of NEAT/MHEA engine
- Most recent release: November 2021
- No between release updates nor fixes
- Does not meet minimum requirements of WAP audit tool alone
- Use requires standard audit approval

WAweb-API

- Web-based pathway to use the current WAv10 NEAT/MHEA engine
- Receives continuous updates equivalent to WAweb
- ENGINE ONLY does not include
 - data storage or reports
 - MulTEA or H&S audit tool
- Use requires standard audit approval

Summary/Review

- Define a basic conversion plan/timeline
- Create a user hierarchy of WA-web users
- Recall the purpose of each WA-web library
- Identify editable and non-editable libraries
- Define a basic annual library update plan



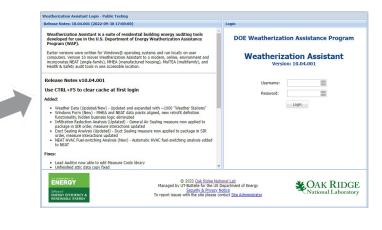


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