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MEMO

WX-2019-1

TO: Agency Directors, Fiscal Officers and Weatherization Coordinators
FROM: Steve Divan, Weatherization Program Coordinator
RE: Single family/Manufactured Home and Small Multifamily Audit Protocol
Approval
DATE: 8/16/2019

Greetings,

USDOE requires that every 5 years that states submit their computerized audit for approval. As part of that submittal, Oregon is required to submit as detailed audit protocol for both single family/mobile homes and small multi-family homes for approval. On July 5, 2019, USDOE approved the single family/mobile home protocol and the small multi-family protocol. Implementation was delayed until after the annual REM training to ensure the network has an understanding of the updated protocols.

The final updated protocols will be posted on the [OHCS T&TA](#) web page by September 9th. Attached you will find both the single family/manufactured home and small multi-family audit protocols for review.

USDOE has approved the use of REM/Design version 15.7.3 and Oregon's Single Family/Manufactured Home and Small Multifamily Protocol for use in the Oregon WAP program. Audits performed on or after **September 9, 2019**, Oregon are required to utilize the updated audit protocols and REM/Design version 15.7.3 for all WAP projects. Jobs started prior to this date may be completed utilizing REM version 14.3.

The current version of REM/Design is 15.8, so when downloading Version 15.7.3 from [Remrate.com](#), you will have to click on "download previous versions" and select 15.7.3 from the list of previous versions. Be sure to download REM/Design, not REM/Rate.

Although the entire document is important and should be thoroughly read, there are several key points to note:

- EIA rates **MUST** be utilized for electric, natural gas, oil and propane utility rates. OHCS will send out a memo updating these rates by the 1st of October annually. Actual rates will no longer be authorized for use.

- To help eliminate ASHRAE calculation issues, only the RED calculator is to be utilized to perform ASHRAE ventilation calculations. The Heyoka solutions calculator will no longer be authorized for use.
- DOE has restricted measure lives as set forth in WPN 19-4. Both DOE and BPA funds must utilize the new DOE measure lives.
- ECHO will still utilize the RTF measure lives, however, the RTF has updated their measure lives and some have changed.
- LIHEAP will fall under either DOE or RTF measure lives depending on the funding source.
- Electric Split heating/cooling systems (Heat Pumps and central Air Conditioning) may be derated for modeled efficiency utilizing the OHCS provided spreadsheet tool available on the OHCS website. This will require gathering onsite information (data plate, model #, date of manufacture, rated efficiency, etc) from the existing equipment to determine the age (in years) and rated efficiency and entering that data into the tool to generate a derated efficiency to model in REM. If onsite data is not available, you may not utilize the derating tool and should reference the default equipment efficiencies chart in the REM Technical Policies.

If you have any questions, please contact Michael Figueredo at (503) 986-0972.

Best Regards,

Steve Divan
Weatherization Coordinator