

Appendix D:  
NEEA Memo

# Memorandum



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FROM: Christina Steinhoff, Principal Planning Analyst

CC: Stephanie Rider, Senior Manager, Data Planning & Analytics; Susan Hermenet, NEEA Director of Planning Evaluation Technology, BJ Moghadam, Senior Manager, NEEA Stakeholder Relations

SUBJECT: 2020-2021 Biennium Targets Final

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Avista Utilities Washington, Pacific Power Washington, and Puget Sound Energy have developed a joint approach to calculate savings from NEEA initiatives. As part of the utilities' biennial savings updates, NEEA provides a two-year electric energy savings forecast.

This memo provides a forecast of NEEA's 2020-2021 savings to support setting the next Biennial Conservation Target.

[Appendix A](#) documents NEEA's methodology. The attached Excel spreadsheet contains details about the baseline and technical assumptions by measure.

Please do not hesitate to contact Christina Steinhoff at 503.688.5427 with any questions about this report.

## 2020-2021 Targets

NEEA is forecasting that Avista will receive 0.76 aMW of savings from its voluntary programs, 0.84 aMW from its Codes and Standards programs and an additional 0.29 aMW from other regional measures that it is able track. To avoid double counting savings, these values net out a forecast of savings the Bonneville Power Administration, Energy Trust of Oregon and local utilities will claim through their local programs. The savings are distributed based on funder share (Appendix A).



**Table 1: Savings Targets (aMW)**

Category	2020	2021	Total
<b>Program Measures</b>	0.41	0.35	0.76
<b>Codes &amp; Standards Measures*</b>	0.37	0.47	0.84
<b>Trackable Measures</b>	0.11	0.18	0.29

These are site-base, first year savings allocated by funding share.

\**Program Measures* can result in a code or standard. As a result, some of the first-year savings from *Program Measures* are reported as *Codes & Standards Measures*.

The forecast does not include savings from programs in development such as Manufactured Homes, Windows Attachments and Extended Motors Programs. It also excludes some products in NEEA's Retail Products Portfolio where NEEA is working on energy consumption measurement.

#### **Definitions**

-Remaining Savings: Savings above the Power Plan Baseline not counted through the Bonneville Power Administration, Energy Trust of Oregon, or local utility programs. NEEA updates the baseline to the Regional Technical Forum (RTF) for measures the RTF updated after the development of the 7th Power Plan.

-Program Measures: These savings come from measures a part of a NEEA program but not a code or a standard. For example, NEEA worked on ductless heat pumps; therefore, this report counts all the savings above the Council baseline from ductless heat pumps less those claimed through local programs.

-Codes and Standards Measures: These savings come from codes or standards either a part of a NEEA program or separate work. For example, NEEA contractors develop code proposals, implement and facilitate code-development meetings, and provide testimony for the Technical Advisory Groups and the State Building code Board. After adoption, NEEA quantifies and reports the savings for the region.

-Trackable Measures: Through its work, NEEA often collects additional data. For example, NEEA worked on both the residential lighting standard and on CFLs. In doing so, NEEA collects total market data, which include other efficient measures like LEDs. This report includes Savings from those efficient measures.



## Appendix A: Methodology to Estimate Savings

This report uses:

- Savings rates from the Regional Technical Forum (RTF) approved after 2015 and prior to Aug. 1, 2019.
- If RTF savings rates are not available, the report uses savings rates from the original 7th Power Plan.
- If those rates are not available, NEEA calculates savings rates using the 7th Power Plan baseline (e.g. 2015).

For comparison against the targets, NEEA will update the savings rates with the RTF. However, all other savings rates will remain the same. These savings rates will only change based on tracked units (e.g. the DHP savings rate would change based on the climate zone of the actual installs) and not based on updates to technical assumptions or baselines.

The attached spreadsheet contains sources and additional information regarding the savings rate calculations.

### Avoiding Double Counting

NEEA avoids double counting by surveying the Bonneville Power Administration, Energy Trust of Oregon and local utilities about their local programs. This report has a forecast of local program units that it uses to avoid over-reporting savings. NEEA multiplies the savings rate and baseline saturation assumptions by the units to forecast local program savings. The regional savings minus the local program savings are the savings NEEA reports to the Washington Investor Own Utilities.

### Allocation

NEEA allocates the savings using funder shares. The shares vary based on the funding cycle. Savings from previous investments receive the previous funder share. Savings from current investments receive the current funder share. Table 2 shows the funder shares.

Table 2: Funder Share for the Washington Savings Forecast

#### Funder Share

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*Avista Washington*

2020-2021 (f)	3.95%
2015-2019	4.04%
2010-2014	3.59%
Previous (pre 2010 investments)	2.77%

*Note: NEEA will update the 2020-2021 funding share based on the final 2020-2024 Business Plan.*