

**PacifiCorp
2022-2023 Biennial Conservation Plan**

Appendix 3

**Northwest Energy Efficiency Alliance 2022-2023 Forecast for
PacifiCorp's Washington service territory**

Memorandum



8/13/2021

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CC: Stephanie Rider, Senior Manager, Data Planning & Analytics; BJ Moghadam, Senior
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SUBJECT: 2022-2023 Biennium Targets Final

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

This memo provides a forecast of NEEA's 2022-2023 savings to support setting the next Biennial Conservation Target. NEEA will use these values as the targets to compare actual savings.

[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.

2022-2023 Targets

NEEA is forecasting that Pacific Power will receive 0.59 aMW of savings from its voluntary programs, 0.19 aMW from its Codes and Standards programs. 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)

		2022	2023	Total
NEEA Reported Savings		0.35	0.42	0.77
Program Measures		0.27	0.32	0.59
Residential	Total	0.22	0.27	0.49
	Ductless Heat Pumps	0.07	0.08	0.14
	Heat Pump Water Heaters	0.04	0.05	0.09
	Extended Motor Products	0.01	0.01	0.02
	New Construction	TBD	TBD	0.00
	Manufactured Homes	0.01	0.01	0.01
	Refrigerators/Freezers	0.01	0.02	0.03
	Clothes Washers	0.06	0.06	0.12
	Clothes Dryers	0.02	0.03	0.05
	Room Air Conditioners	0.00	0.00	0.00
	Televisions	0.00	0.02	
	Home Audio	TBD	TBD	0.00
	Air Cleaners	0.00	0.01	0.01
Commercial	Total	0.04	0.04	0.08
	Extended Motor Products	0.01	0.01	0.01
	Windows Attachments	0.00	0.00	0.00
	Luminaire Level Lighting Controls	0.00	0.00	0.01
	Reduced Wattage Lamp Replacement	0.03	0.03	0.06
Industrial	Total	0.01	0.01	0.01
	Reduced Wattage Lamp Replacement	0.01	0.01	0.01
Codes & Standards		0.08	0.10	0.19
Residential	Total	0.08	0.08	0.16
	Codes	0.07	0.08	0.15
	Standards	0.00	0.00	0.01
Commercial	Total	0.01	0.02	0.02
	Codes	0.01	0.02	0.02
	Standards	0.00	0.00	0.00

Notes:

- These are site-based, first year savings allocated by funding share, net of local programs.
- 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.
- Reported 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.

Appendix A: Methodology to Estimate Savings

This report uses:

- Savings rates and technical assumptions from the Regional Technical Forum (RTF) approved prior to June 1, 2021.
- If RTF savings rates are not available, the report uses savings rates from the draft 2021 Power Plan.
- If those rates are not available, NEEA calculates savings rates using the 2021 Power Plan baseline (e.g. 2020).

For comparison against the targets, NEEA will update the savings rates if:

- The RTF makes an update after Sept. 1 of the year prior to the Biennium (e.g. 2021) and before Oct. 1 of the first year of the biennium (e.g. 2022); then, NEEA will update the forecast for the second year (e.g. 2023) with the new RTF UES;
- The UES is weighted based on tracked units (e.g. commercial building type, installs by climate zone, etc.);
- Or, NEEA finalized savings analysis for a code or standard.

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

Pacific Power

2020-2024	2.55%
2015-2019	2.55%