



# 7

## Tracking and Reporting



## Chapter Seven: Tracking and Reporting

This chapter provides an overview of measurements PSE plans to track and report on the 2021 Clean Energy Implementation Plan (CEIP) as part of the annual reporting required under WAC 480-100-650(3). The reporting is based on metrics including energy or capacity output, program participation, customer benefit indicators and costs.

Tables 7-1, 7-2, 7-3, and 7-4 summarize the energy-related metrics that PSE will track and report annually. In addition to the listed measurements, PSE will track and report the percentage of energy supplied by renewable resources and non-emitting resources to monitor progress to the interim target.

In addition to energy tracking, we will also report on and track the customer benefit indicators (CBI) described in Chapter Three in the CEIP progress report and future updates. The metrics and data sources are described in this chapter for each customer benefit indicator. These metrics report on the progress made in each CBI as PSE moves through the four-year CEIP cycle.

Table 7-1: Conservation

Energy	Program Enrollment	Program Costs
Annual MW Annual MWh savings Projected cumulative lifetime MWh savings	Number of potential Participants by All Customers, Highly Impacted Communities, and Vulnerable Populations	Costs (through Annual Compliance Report)

Table 7-2: Demand Response

Energy	Program Enrollment	Costs
Annual MW and MWh in DR capacity enrolled MW peak shift per program (median/maximum/minimum per program) Annual program achievement in MW and MWh	Number of Enrolled Participants by All Customers, Highly Impacted Communities, and Vulnerable Populations) Number of Participants unenrolling Number of DR Events (Total/by Month) Number of Participants who Opt Out (Total/by Month)	Program costs

Table 7-3: Renewable Energy

Energy	Program Enrollment	Costs
Renewable Energy Resources added to PSE Portfolio (MW) by program (capacity) Total Renewable Energy generation or purchase (MWh) (usage) Percentage of electricity supplied by renewable resources	Number of Enrolled Participants in DER customer programs by All Customers, Highly Impacted Communities, and Vulnerable Populations Number of Unenrolled Participants in DER customer programs	Incremental cost of renewable energy resources added during the year

Table 7-4: Other Energy Metrics

Energy	Program Enrollment	Costs
Non-emitting resource capacity (MW) Non-emitting energy generated or purchased (MWh)		Incremental costs of non-emitting energy if any

### Customer Benefit Indicators

As part of ensuring the equitable distribution of benefits and burdens, PSE will track and measure each CBI as it relates to the programs and actions developed in the CEIP. There are separate metrics for each customer benefit indicator that connect with the feedback PSE heard from customers and stakeholders in the public participation process. Some of these metrics have or will directly influence resource decisions or program design, while others are tracked as an indicator of customer status that may inform the next assessment of economic, health, and environmental burdens and benefits.

Table 7-5 shows the metrics for these customer benefit indicators. With the help and guidance of the third-party consultant DNV, PSE developed metrics for each customer benefit indicator. PSE is still in the process of evaluating data availability for some of the metrics. Many of these are new for PSE and will require continued evolution of measurement methods and data. The full report including details of the metrics and data sources is in the [Appendix H](#), Customer Benefit Indicator metrics, and Chapter Three.

Table 7-5: Customer Benefit Indicators and Metrics

CETA Category	Indicator	Metric	Baseline data (2020)
Energy Benefits Non-energy Benefits Burden Reduction	Improved participation in clean energy programs from highly impacted communities and vulnerable populations	<p>Increase number and percentage of participation in energy efficiency, demand response, and distributed resource programs or services by PSE customers within highly impacted communities and vulnerable populations</p> <p>Increase percentage of electricity generated by distributed renewable energy projects</p>	Yes, PSE internal data in which PSE measures the number of programs related to all customers, and PSE customers within named communities. Please see <a href="#">Appendix H</a> .
Non-energy Benefits	Increase in quality and quantity of clean energy jobs	<p>Increase quantity of jobs based on:</p> <ul style="list-style-type: none"> <li>• Number of jobs created by PSE programs for residents of highly impacted and vulnerable populations</li> <li>• Number of local workers in jobs for programs</li> <li>• Number of part-time and full-time jobs by project</li> </ul> <p>Increase quality of jobs based on:</p> <ul style="list-style-type: none"> <li>• Range of wages paid to workers</li> <li>• Additional benefits offered</li> <li>• Demographics of workers</li> </ul>	Unavailable currently. This information will be available in the future as PSE contracts with vendors and collects this information.
Non-energy Benefits	Improved home comfort	Increased dollar in net present value (NPV) in NEI benefits for EE programs.	Yes, internal PSE data that is calculated as non-energy impacts within the BCP process; please see <a href="#">Appendix H</a>
Reduction of burdens	Increase in culturally- and linguistically-accessible program communications for named communities	Increase outreach material available in non-English languages	Yes, we will have internal PSE data that quantifies the number of non-English language materials used by PSE in 2022
Cost Reduction Burden Reduction	Improved affordability of clean energy	<p>Reduce median electric bill as a percentage of income for residential customers</p> <p>Reduce median electric bill as a percentage of income for residential customers who are also energy-burdened</p>	Yes, PSE internal data in which PSE measures the affordability of clean energy related to all customers, and PSE customers within named communities. PSE may also use the Department of Energy's Lead tool can be



			found here: <a href="https://www.energy.gov/eere/slsc/maps/lead-tool">https://www.energy.gov/eere/slsc/maps/lead-tool</a> . Please see <a href="#">Appendix H</a> .
Environment	Reduced greenhouse gas emissions	Reduce PSE-owned electric operations metric tons of annual CO <sub>2e</sub> emissions  Reduce PSE contracted electric supply metric tons of annual CO <sub>2e</sub> emissions	Yes, PSE shares publicly available data on its CO <sub>2e</sub> emissions at <a href="https://www.pse.com/pages/greenhouse-gas-policy">https://www.pse.com/pages/greenhouse-gas-policy</a>
Environment Risk Reduction	Reduction of climate change impacts	Increase in avoided emissions times the social cost of carbon	Yes, publicly available data on the social cost of carbon as defined by the WUTC is available at <a href="https://www.utc.wa.gov/regulation-industries/utilities/energy/conservation-and-renewable-energy-overview/clean-energy-transformation-act/social-cost-carbon">https://www.utc.wa.gov/regulation-industries/utilities/energy/conservation-and-renewable-energy-overview/clean-energy-transformation-act/social-cost-carbon</a> , and data on PSE's emissions is available at <a href="https://www.pse.com/pages/greenhouse-gas-policy">https://www.pse.com/pages/greenhouse-gas-policy</a>
Public Health	Improved outdoor air quality	Reduce regulated pollutant emissions (SO <sub>2</sub> , NO <sub>x</sub> , PM <sub>2.5</sub> )	Yes, internal PSE data on emissions.
Public Health	Improved community health	Reduce the occurrence of health factors like hospital admittance, and work loss days	Yes, based on Washington Department of Health hospital discharge rates, available here: <a href="#">Hospital Discharge Data (CHARS): Washington State Department of Health</a>
Resilience	Decrease frequency and duration of outages	Decrease number of outages, total hours of outages, and total backup load served during outages using System Average Interruption Duration Index (SAIDI) and System Average Interruption Frequency Index (SAIFI)  Reduction in peak demand through demand response programs	Yes, internal data on named communities and publicly available data regarding PSE's current SAIDI and SAIFI metrics are available at: <a href="https://www.utc.wa.gov/regulation-industries/utilities/energy/infrastructure-and-energy-planning/annual-reliability-reports-electric-companies">https://www.utc.wa.gov/regulation-industries/utilities/energy/infrastructure-and-energy-planning/annual-reliability-reports-electric-companies</a> Internal PSE data provided the <a href="#">analysis on named communities</a> .

Risk Reduction Energy Security	Improved access to reliable, clean energy	Increase number of customers who have access to emergency power	Yes, PSE internal data in which PSE measures the number of customers with storage related to all customers and PSE customers within named communities. Please note PSE shows a count of zero as there is no current PSE program specific to net metering and battery storage.
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## Actions

In the annual CEIP progress report, PSE will report on progress on planned actions. This will include:

- A summary of actions,
- Positive learnings that could affect future actions, program design, or targets,
- Challenges or barriers encountered that could affect future actions, program designs, or targets, and
- A summary of any required changes to actions or programs

## Public Participation

Ongoing public participation is critical to the success of PSE's CEIP. Customer participation in energy education, program design, and measuring customer benefits is necessary to achieve the targets.

As part of measuring public participation, PSE will include in the annual report a summary of:

- Public participation topics discussed
- Public participation tactics used
- Measurement of engagement in public participation
- Successes and challenges encountered in public participation
- Adjustments made to public participation during the year

PSE also anticipates regular engagement with customers, advisory groups, tribal governments, and others. As part of the annual reporting, PSE will include:

- A summary of advisory group activities during the year
- Copies of or links to advisory group materials and meeting summaries

- A list of regulatory proceedings related to the CEIP during the year

## Renewable Energy Credits

Renewable energy credits (RECs) are used to verify compliance with multiple different regulatory requirements. These include voluntary customer renewable energy purchase programs, Washington's Energy Independence Act, and the Clean Energy Transformation Act (CETA). Renewable energy credits may be acquired through several different mechanisms, including generation by PSE facilities, transfer as part of a power purchase agreement from non-PSE owned facilities, or, through direct purchase of renewable energy credits.

PSE will track and report:

- A summary of the renewable energy credits acquired during the year, identifying the volume from PSE owned generating facilities, in conjunction with purchased power, or individually as renewable energy credits.
- Verification and documentation of retirement of renewable energy credits by program used for, voluntary renewable energy programs, the Energy Independence Act, and/or the CETA.

## Emissions

As part of the annual reporting, PSE will report:

- Total greenhouse gas emissions in metrics tons of CO<sub>2e</sub>, and
- Annual greenhouse gas content calculation<sup>74</sup>.

## Other Information

- PSE will also provide an annual demonstration of ownership of nonpower attributes for non-emitting generation using attestations of ownership and transfer by properly authorized representatives of the generating facility, all intermediate owners of the non-emitting electric generation, and an appropriate PSE executive, in years PSE is claiming non-emitting energy as part of our compliance calculation. PSE will not transfer ownership of the nonpower attributes after claiming them in any compliance report.
- Non-emitting resource capacity will be measured in MW, and non-emitting energy usage in MWh and as a percentage of total electricity supplied by non-emitting energy.
- In each annual report, PSE will also provide an electronic link to the company's most recent fuel mix disclosure report.

<sup>74</sup> Beginning July 1, 2027, and each subsequent year, PSE will provide an attestation for the previous calendar year that PSE did not use any coal-fired resource as defined in this chapter to serve Washington retail electric customer load.

- PSE will provide any additional information the company agreed to or was ordered to report in the most recently approved CEIP.