

Energy Efficiency Target

Specific Action	Location	Named community? (Highly impacted or Vulnerable population)	Nameplate Capacity (MW) ¹	Peak Capacity Contribution (MW) ¹	Energy Contribution (MWh) ¹	Estimated Cost (\$) ^{1,2}	Energy Attributes	Non-Energy Attributes	Environmental Attributes	Health Attributes	Energy Security/Resiliency Attributes
Energy Efficiency	PSE Service Territory	N/A	N/A		1,010,896 MWh	--	<ul style="list-style-type: none"> Decreased energy consumption 	<ul style="list-style-type: none"> Reduced fire risk, insurance costs Reduced debt, arrearages 	<ul style="list-style-type: none"> Improved outdoor air quality Reduced greenhouse gas emissions 	<ul style="list-style-type: none"> Reduced health care costs Improved thermal comfort, lighting quality Indoor air quality 	
Residential Energy Management Programs											
Low Income Weatherization	PSE Service Territory	Low Income	N/A		7,910 MWh	\$24.43 M	<ul style="list-style-type: none"> Decreased energy consumption Reduced cost impacts 	<ul style="list-style-type: none"> Increased clean energy jobs 	<ul style="list-style-type: none"> Improved outdoor air quality Reduced greenhouse gas emissions 	<ul style="list-style-type: none"> Reduced health care costs Improved thermal comfort, lighting quality Indoor air quality 	
Single Family Existing	PSE Service Territory	TBD	N/A		218,098 MWh	\$86.11 M	<ul style="list-style-type: none"> Decreased energy consumption 	<ul style="list-style-type: none"> Increased clean energy jobs 	<ul style="list-style-type: none"> Improved outdoor air quality Reduced greenhouse gas emissions 	<ul style="list-style-type: none"> Reduced health care costs Improved thermal comfort, lighting quality Indoor air quality 	
Single Family New Construction	PSE Service Territory	TBD	N/A		1,020 MWh	\$1.58 M	<ul style="list-style-type: none"> Decreased energy consumption 	<ul style="list-style-type: none"> Increased clean energy jobs 	<ul style="list-style-type: none"> Improved outdoor air quality Reduced greenhouse gas emissions 	<ul style="list-style-type: none"> Reduced health care costs Improved thermal comfort, lighting quality Indoor air quality 	
Multifamily Retrofit	PSE Service Territory	TBD	N/A		36,280 MWh	\$30.81 M	<ul style="list-style-type: none"> Decreased energy consumption 	<ul style="list-style-type: none"> Increased clean energy jobs 	<ul style="list-style-type: none"> Improved outdoor air quality Reduced greenhouse gas emissions 	<ul style="list-style-type: none"> Reduced health care costs Improved thermal comfort, lighting quality Indoor air quality 	

¹ Updates will be provided in the 2021 Final CEIP

² Costs shown are inclusive of anticipated capital and expense costs over 2022-2025. Incremental cost calculation will vary due to application of revenue requirement approach and dispatch modeling.

³ Costs not included are because these actions affect CETA compliance calculation, but were pre-existing and are not part of cost calculation.

Specific Action	Location	Named community? (Highly impacted or Vulnerable population)	Nameplate Capacity (MW) ¹	Peak Capacity Contribution (MW) ¹	Energy Contribution (MWh) ¹	Estimated Cost (\$) ^{1,2}	Energy Attributes	Non-Energy Attributes	Environmental Attributes	Health Attributes	Energy Security/Resiliency Attributes
Multifamily New Construction	PSE Service Territory	TBD	N/A		18,000 MWh	\$8.27 M	<ul style="list-style-type: none"> Decreased energy consumption 	<ul style="list-style-type: none"> Increased clean energy jobs 	<ul style="list-style-type: none"> Improved outdoor air quality Reduced greenhouse gas emissions 	<ul style="list-style-type: none"> Reduced health care costs Improved thermal comfort, lighting quality Indoor air quality 	
Business Energy Management Programs											
Commercial / Industrial Retrofit	PSE Service Territory	TBD	N/A		302,222 MWh	\$103.33 M	<ul style="list-style-type: none"> Decreased energy consumption 	<ul style="list-style-type: none"> Increased clean energy jobs 	<ul style="list-style-type: none"> Improved outdoor air quality Reduced greenhouse gas emissions 	<ul style="list-style-type: none"> Improved thermal comfort, lighting quality, and indoor air quality 	
Commercial/Industrial New Construction	PSE Service Territory	TBD	N/A		70,000 MWh	\$28.07 M	<ul style="list-style-type: none"> Decreased energy consumption 	<ul style="list-style-type: none"> Increased clean energy jobs 	<ul style="list-style-type: none"> Improved outdoor air quality Reduced greenhouse gas emissions 	<ul style="list-style-type: none"> Improved thermal comfort, lighting quality, and indoor air quality 	
Commercial Strategic Energy Management	PSE Service Territory	TBD	N/A		64,000 MWh	\$9.81 M	<ul style="list-style-type: none"> Decreased energy consumption 	<ul style="list-style-type: none"> Increased clean energy jobs 	<ul style="list-style-type: none"> Improved outdoor air quality Reduced greenhouse gas emissions 	<ul style="list-style-type: none"> Improved thermal comfort, lighting quality, and indoor air quality 	
Large Power User - Self Directed Program - Subtotal	PSE Service Territory	TBD	N/A		40,084 MWh	\$19.86 M	<ul style="list-style-type: none"> Decreased energy consumption 	<ul style="list-style-type: none"> Increased clean energy jobs 	<ul style="list-style-type: none"> Improved outdoor air quality Reduced greenhouse gas emissions 		
Commercial Rebates	PSE Service Territory	TBD	N/A		184,584 MWh	\$65.47 M	<ul style="list-style-type: none"> Decreased energy consumption 	<ul style="list-style-type: none"> Increased clean energy jobs 	<ul style="list-style-type: none"> Improved outdoor air quality Reduced greenhouse gas emissions 	<ul style="list-style-type: none"> Improved thermal comfort, lighting quality, and indoor air quality 	

Specific Action	Location	Named community? (Highly impacted or Vulnerable population)	Nameplate Capacity (MW) ¹	Peak Capacity Contribution (MW) ¹	Energy Contribution (MWh) ¹	Estimated Cost (\$) ^{1,2}	Energy Attributes	Non-Energy Attributes	Environmental Attributes	Health Attributes	Energy Security/Resiliency Attributes
Other											
Pilots	PSE Service Territory	TBD	N/A		9,450 MWh	\$3.39	<ul style="list-style-type: none"> Decreased energy consumption 	<ul style="list-style-type: none"> Increased clean energy jobs 	<ul style="list-style-type: none"> Improved outdoor air quality Reduced greenhouse gas emissions 	<ul style="list-style-type: none"> Reduced health care costs, Improved thermal comfort, lighting quality, and indoor air quality 	
NW Energy Efficiency Alliance (NEEA)	Regional - PSE share	TBD	N/A		56,764 MWh	\$21.83	<ul style="list-style-type: none"> Decreased energy consumption 	<ul style="list-style-type: none"> Increased clean energy jobs 	<ul style="list-style-type: none"> Improved outdoor air quality Reduced greenhouse gas emissions 		
Distribution Efficiency	PSE Service Territory	TBD	N/A		3,000 MWh		<ul style="list-style-type: none"> Decreased energy consumption 	<ul style="list-style-type: none"> Increased clean energy jobs 	<ul style="list-style-type: none"> Improved outdoor air quality Reduced greenhouse gas emissions 		

Demand Response Target

Specific Action	Location	Named community? (Highly impacted and/or Vulnerable population)	Nameplate Capacity (MW) ¹	Peak Capacity Contribution (MW) ¹	Energy Contribution (MWh) ¹	Estimated Cost (\$) ^{1,2}	Energy Attributes	Non-Energy Attributes	Environmental Attributes	Health Attributes	Energy Security/Resiliency Attributes
Launch Demand Response Programs	PSE Service Territory	N/A	23.7 MW	7.6 MW		--		<ul style="list-style-type: none"> Improved awareness, education, and engagement 	<ul style="list-style-type: none"> Reduced greenhouse gas emissions 	<ul style="list-style-type: none"> Improved outdoor air quality 	
Res DLC Heat-Switch	PSE Service Territory	TBD	16.41 MW	5.25 MW		\$4.08 M		<ul style="list-style-type: none"> Reduced costs to customers by improving capacity utilization, encouraging economic conservation, and peak shaving 	<ul style="list-style-type: none"> Reduced greenhouse gas emissions 	<ul style="list-style-type: none"> Improved outdoor air quality 	
Res DLC Heat-BYOT	PSE Service Territory	TBD	0.36 MW	0.1 MW		\$0.03 M		<ul style="list-style-type: none"> Reduced costs to customers by improving capacity utilization, encouraging economic conservation, and peak shaving 	<ul style="list-style-type: none"> Reduced greenhouse gas emissions 	<ul style="list-style-type: none"> Improved outdoor air quality 	
Res DLC ERWH-Grid-Enabled	PSE Service Territory	TBD	5.10 MW	1.6 MW		\$0.93 M		<ul style="list-style-type: none"> Reduced costs to customers by improving capacity utilization, encouraging economic conservation, and peak shaving 	<ul style="list-style-type: none"> Reduced greenhouse gas emissions 	<ul style="list-style-type: none"> Improved outdoor air quality 	
Res DLC HPWH-Grid-Enabled	PSE Service Territory	TBD	0.08 MW	0.0 MW		\$0.03 M		<ul style="list-style-type: none"> Reduced costs to customers by improving capacity utilization, encouraging economic conservation, and peak shaving 	<ul style="list-style-type: none"> Reduced greenhouse gas emissions 	<ul style="list-style-type: none"> Improved outdoor air quality 	
Medium Com DLC Heat-Switch	PSE Service Territory	TBD	1.71 MW	0.6 MW		\$0.26 M		<ul style="list-style-type: none"> Reduced costs to customers by improving capacity utilization, encouraging economic conservation, and peak shaving 	<ul style="list-style-type: none"> Reduced greenhouse gas emissions 	<ul style="list-style-type: none"> Improved outdoor air quality 	

Specific Action	Location	Named community? (Highly impacted and/or Vulnerable population)	Nameplate Capacity (MW) ¹	Peak Capacity Contribution (MW) ¹	Energy Contribution (MWh) ¹	Estimated Cost (\$) ^{1,2}	Energy Attributes	Non-Energy Attributes	Environmental Attributes	Health Attributes	Energy Security/Resiliency Attributes
Time of use/ Time variable rates pilot	PSE Service Territory	Pilot considerations for vulnerable populations, including income-eligible	N/A	N/A	N/A	TBD		<ul style="list-style-type: none"> Reduced costs to customers by improving capacity utilization, encouraging economic conservation, and peak shaving Customers have options to help manage their energy bills Rates and programs are designed and produced to consider needs and effects on low-income/vulnerable populations 	<ul style="list-style-type: none"> Reduced greenhouse gas emissions 	<ul style="list-style-type: none"> Improved outdoor air quality 	

Renewable Energy Target

Specific Action	Location	Named community? (Highly impacted and/or Vulnerable population)	Nameplate Capacity (MW) ¹	Peak Capacity Contribution (MW) ¹	Energy Contribution (MWh) ¹	Estimated Cost (\$) ^{1,2}	Energy Attributes	Non-Energy Attributes	Environmental Attributes	Health Attributes	Energy Security/Resiliency Attributes
Launch 2021 All Source RFP for utility scale resources	Resources either in or out of PSE's service territory delivering to PSE's system.	All PSE customers	400 MW	53.5 MW	1,256,988 MWh	See Chapter 5 and Appendix E.	<ul style="list-style-type: none"> Renewable energy CETA-compliant energy CETA-compliant capacity resources 	<ul style="list-style-type: none"> Job creation Business opportunities Local tax and landowner revenues 	<ul style="list-style-type: none"> Reduced carbon emissions 	<ul style="list-style-type: none"> Reduced carbon emissions 	<ul style="list-style-type: none"> Diverse resource locations Reduced reliance on short-term market purchases
Launch Distributed Solar Programs with Utility Owned Assets	PSE Service Territory	N/A	4.9 MW	0.08 MW	6,600 MWh	\$82.7 M		<ul style="list-style-type: none"> Improved awareness, education, and engagement Increased sense of pride and shared values 	<ul style="list-style-type: none"> Reduced greenhouse gas emissions 	<ul style="list-style-type: none"> Improved outdoor air quality Improved community health 	
Launch Distributed Solar Programs with Non-Utility Owned Assets	PSE Service Territory	N/A	46.2 MW	0.74 MW	62,737 MWh		<ul style="list-style-type: none"> Decreased time and duration of outages Increased resiliency 	<ul style="list-style-type: none"> Increased clean energy jobs Improved awareness, education, and engagement Improved sense of self-sufficiency Increased sense of pride and shared values 	<ul style="list-style-type: none"> Reduced greenhouse gas emissions 	<ul style="list-style-type: none"> Improved outdoor air quality Improved community health 	<ul style="list-style-type: none"> Improved sense of self-sufficiency Decreased outages time and duration Increased resiliency
Launch Distributed Solar Programs for Vulnerable Populations	PSE Service Territory	Highly impacted communities and/or Vulnerable Populations including income-eligible or multifamily residencies	2.7 MW	0.04 MW	3,622 MWh		<ul style="list-style-type: none"> Improved participation from named communities Improved awareness, education, and engagement Increased sense of pride and shared values 	<ul style="list-style-type: none"> Improved participation from named communities Improved awareness, education, and engagement Increased sense of pride and shared values 	<ul style="list-style-type: none"> Reduced greenhouse gas emissions 	<ul style="list-style-type: none"> Improved outdoor air quality Improved community health 	
Community Solar	PSE service territory	Portions targeted towards vulnerable population, including for low income customer	25.6 MW	0.4 MW	35,685 MWh		<ul style="list-style-type: none"> Renewable energy sourced locally Participation by low-income customers 		<ul style="list-style-type: none"> Reduced carbon emissions 	<ul style="list-style-type: none"> Reduced carbon emissions 	<ul style="list-style-type: none"> Increased local generation can be used during outages

Specific Action	Location	Named community? (Highly impacted and/or Vulnerable population)	Nameplate Capacity (MW) ¹	Peak Capacity Contribution (MW) ¹	Energy Contribution (MWh) ¹	Estimated Cost (\$) ^{1,2}	Energy Attributes	Non-Energy Attributes	Environmental Attributes	Health Attributes	Energy Security/Resiliency Attributes
Bainbridge Island Battery Energy Storage System (BESS)	PSE Service Territory	N/A	6 MW	0 MW	8,147 MWh	N/A		<ul style="list-style-type: none"> Consistent with customers' expectations and Washington Utilities and Transportation Commission policy statement of October 2017 (Docket UE-151069 and U-161024) 	<ul style="list-style-type: none"> Reduced carbon emissions Deferred need for wired solutions 	<ul style="list-style-type: none"> Reduced carbon emissions 	<ul style="list-style-type: none"> Addressed capacity need and improved system reliability Stored energy for peak periods Imparts a sense of energy independence
Issaquah Area Capacity and Reliability	PSE Service Territory	N/A	9 MW	0 MW	To be determined	N/A	<ul style="list-style-type: none"> Renewable Energy sourced locally Reduced energy consumption 	<ul style="list-style-type: none"> Increased customer engagement Reduced customer bills 	<ul style="list-style-type: none"> Reduced carbon emissions Reduced deferred need for wired solutions 	<ul style="list-style-type: none"> Reduced carbon emissions 	<ul style="list-style-type: none"> Local generation decreases duration of outages
Sumner Valley Capacity	PSE Service Territory	N/A	7 MW	0 MW	To be determined	N/A	<ul style="list-style-type: none"> Renewable Energy sourced locally Reduced energy consumption 	<ul style="list-style-type: none"> Increased customer engagement Reduced customer bills 	<ul style="list-style-type: none"> Reduced carbon emissions Reduced deferred need for wired solutions 	<ul style="list-style-type: none"> Reduced carbon emissions 	<ul style="list-style-type: none"> Local generation decreases duration of outages
Launch Battery Storage Programs with Utility-Owned Assets	PSE Service Territory	N/A	12.8 MW	0.7 MW	N/A	\$51.79 M	<ul style="list-style-type: none"> Decrease in time and duration of outages; increased resiliency 	<ul style="list-style-type: none"> Improved awareness, education, and engagement 			<ul style="list-style-type: none"> Decrease in time and duration of outages; increased resiliency
Launch Battery Energy Storage Programs with Non-Utility Owned Assets	PSE Service Territory	N/A	12.5 MW	2.4 MW	N/A		<ul style="list-style-type: none"> Decreased time and duration of outages Increased resiliency 	<ul style="list-style-type: none"> Increased clean energy jobs Improved awareness, education, and engagement Improved sense of self-sufficiency Increased sense of pride and shared values 	<ul style="list-style-type: none"> Reduced greenhouse gas emissions 	<ul style="list-style-type: none"> Improved outdoor air quality Improved community health 	<ul style="list-style-type: none"> Decreased time and duration of outages Increased resiliency Improved sense of self-sufficiency
Launch Battery Energy Storage Programs for Vulnerable Populations	PSE Service Territory	Highly impacted communities and/or Vulnerable Populations including income-eligible or multifamily residences	0.3 MW	0.2 MW	N/A		<ul style="list-style-type: none"> Decreased time and duration of outages Increased resiliency 	<ul style="list-style-type: none"> Improved participation from named communities Improved awareness, education, and engagement 			<ul style="list-style-type: none"> Decreased time and duration of outages Increased resiliency

Other Actions

Specific Action	Location	Named community? (Highly impacted and/or Vulnerable population)	Nameplate Capacity (MW)	Peak Capacity Contribution (MW)	Energy Contribution (MWh)	Estimated Cost (\$) ^{1,2}	Energy Attributes	Non-Energy Attributes	Environmental Attributes	Health Attributes	Energy Security/Resiliency Attributes
DER enablement work streams: Strategic, Procurement, Customer and Operations	PSE service territory	N/A	N/A	N/A	N/A	\$32.72 M					
Grid modernization: Design, Execute and maintain new VPP Platform	PSE Service Territory	N/A	N/A	N/A	N/A	\$9.62 M		<ul style="list-style-type: none"> Avoided operational complexities minimize costs 			
Grid modernization: Design, install and maintain DERMS	PSE service territory	N/A	N/A	N/A	N/A	\$3.98 M					<ul style="list-style-type: none"> Improved reliability with increased access to DERs
Grid modernization: Volt-Var optimization Pilot and Program Implementation	PSE service territory	N/A	N/A	N/A	N/A	\$10.07M	<ul style="list-style-type: none"> CVR (use-case of VVO) energy benefits to customers 	<ul style="list-style-type: none"> Avoided cost savings Reduced customer bills Deferred capital investments 	<ul style="list-style-type: none"> Reduced need for carbon-emitting resources 		<ul style="list-style-type: none"> Improved customer power quality and FLISR capabilities
Grid modernization: HCA Tool, Map Integration, and Interconnection Portal Enhancements	PSE service territory	N/A	N/A	N/A	N/A	\$6.19 M		<ul style="list-style-type: none"> Improved customer service Improved grid transparency 			
Grid modernization: Supervisory Control and Data Acquisition (SCADA)	PSE service territory	N/A	N/A	N/A	N/A	\$42.40 M					<ul style="list-style-type: none"> Reduced outage time Increased infrastructure protection
Grid modernization: Data Lake and Data Analysis	PSE service territory	N/A	N/A	N/A	N/A	\$7.30 M					<ul style="list-style-type: none"> Improved grid efficiencies
Grid modernization: Circuit Enablement	PSE service territory	N/A	N/A	N/A	N/A	\$57.5 M					<ul style="list-style-type: none"> Increased customer participation in DERs

Specific Action	Location	Named community? (Highly impacted and/or Vulnerable population)	Nameplate Capacity (MW)	Peak Capacity Contribution (MW)	Energy Contribution (MWh)	Estimated Cost (\$)¹,²	Energy Attributes	Non-Energy Attributes	Environmental Attributes	Health Attributes	Energy Security/Resiliency Attributes
Grid modernization: DER Property Acquisition	PSE service territory	N/A	N/A	N/A	N/A	\$16.8 M		<ul style="list-style-type: none"> Increased application success rates Avoided application fees 			<ul style="list-style-type: none"> Reduced system upgrades Reduced interconnection costs
Grid modernization: Resilience Enhancement	PSE service territory	N/A	N/A	N/A	N/A	\$26.32 M					<ul style="list-style-type: none"> Reduced impact to customers from interruptions Reduced risk of failed equipment

Other actions that reduce retail sales

Specific Action	Location	Named community? (Highly impacted and/or Vulnerable population)	Nameplate Capacity (MW)¹	Peak Capacity Contribution (MW)¹	Energy Contribution (MWh)¹	Estimated Cost (\$)³	Energy Attributes	Non-Energy Attributes	Environmental Attributes	Health Attributes	Energy Security/Resiliency Attributes
Schedule 91/ PURPA contracts	PSE Service Territory	N/A	61.5 MW	N/A	580,831 MWh	N/A	<ul style="list-style-type: none"> Renewable energy sourced locally 		<ul style="list-style-type: none"> Reduced carbon emissions 	<ul style="list-style-type: none"> Reduced carbon emissions 	
Phases 1&2 Green Direct Existing Purchased Power	Western Washington and Northern Oregon	N/A	286 MW	51 MW	656,726 MWh	N/A		<ul style="list-style-type: none"> Supports State economy through job creation and new tax revenue for host communities Reduces PSE's compliance obligation. 	<ul style="list-style-type: none"> Additional renewable energy resources deliver energy and RECs to our system on behalf of Green Direct customers Customers reduce their carbon footprint and meet sustainability goals ahead of state targets 		

Specific Action	Location	Named community? (Highly impacted and/or Vulnerable population)	Nameplate Capacity (MW) ¹	Peak Capacity Contribution (MW) ¹	Energy Contribution (MWh) ¹	Estimated Cost (\$) ³	Energy Attributes	Non-Energy Attributes	Environmental Attributes	Health Attributes	Energy Security/Resiliency Attributes
Phase 3 Green Direct New Addition	Unknown	N/A	100 MW	15 MW	314,246 MWh	N/A		<ul style="list-style-type: none"> Reduced customer bills 	<ul style="list-style-type: none"> Additional renewable energy resources deliver energy and RECs to our system on behalf of Green Direct customers Customers reduce their carbon footprint and meet sustainability goals ahead of state targets 		
Net Metering	PSE Service Territory	N/A	175 MW			N/A	<ul style="list-style-type: none"> Renewable energy sourced locally 	<ul style="list-style-type: none"> Supports local solar installer industry 	<ul style="list-style-type: none"> Reduced carbon emissions 	<ul style="list-style-type: none"> Reduced carbon emissions 	
Green Power community grants	PSE Service Territory	Low Income and BIPOC Communities	N/A	N/A	N/A	N/A	<ul style="list-style-type: none"> Renewable energy sourced locally 	<ul style="list-style-type: none"> Supports local solar installer industry 	<ul style="list-style-type: none"> Reduced carbon emissions 	<ul style="list-style-type: none"> Reduced carbon emissions 	

Energy Efficiency Target

Resource	Action		2022	2023	2024	2025
Energy Efficiency	Launch and execute BCP	Nameplate capacity contribution - cumulative	74 MW	138 MW	199 MW	256 MW
		Peak Capacity contribution - cumulative				
		Energy Contribution - cumulative		505,488 MWh		1,010,896
		Tasks	See Appendix B	See Appendix B	See Appendix B	See Appendix B

Demand Response Target

Resource	Action		2022	2023	2024	2025
Resource Additions: Demand Response Programs	Launch demand response programs	Nameplate capacity contribution - cumulative	0 MW	5 MW	11 MW	23.7 MW
		Peak Capacity contribution - cumulative	0 MW	1.6 MW	3.51 MW	7.6 MW
		Energy Contribution – cumulative				
		Tasks	<ul style="list-style-type: none"> Issue Final Targeted DER RFP Issue shortlist and begin negotiations Develop DEER asset management strategy Develop DER dispatch ad operations strategy Develop IT/OT strategy to develop new standards for operating a large DER portfolio Incorporate DR into virtual power plant 	<ul style="list-style-type: none"> Begin roll out of DR programs and enroll customers as contracted in the Targeted RFP Begin scoping enhancements to the customer notification platform Launch a customer enrollment and education portal 	<ul style="list-style-type: none"> Expand program outreach and enroll customers as contracted in the Targeted RFP Launch Device Marketplace 	<ul style="list-style-type: none"> Expand program outreach and enroll customers as contracted in the Targeted RFP Enable ADMS-integrated DERMS module and prepare for VPP integration
Res DLC Heat-Switch		Nameplate capacity contribution - cumulative	0 MW	4 MW	8 MW	16 MW
		Peak Capacity contribution - cumulative	0 MW	1 MW	3 MW	5 MW
		Energy Contribution – cumulative				
Res DLC Heat-BYOT		Nameplate capacity contribution - cumulative	0 MW	0.1 MW	0.2 MW	0.4 MW
		Peak Capacity contribution - cumulative	0 MW	0.02 MW	.1 MW	0.1 MW
		Energy Contribution – cumulative				
Res DLC ERWH-Grid-Enabled		Nameplate capacity contribution - cumulative	0 MW	1 MWh	2 MWh	5 MW
		Peak Capacity contribution - cumulative	0 MW	0.2 MW	1 MW	2 MW
		Energy Contribution – cumulative				
Res DLC HPWH-Grid-Enabled		Nameplate capacity contribution - cumulative	0 MW	0.01 MW	0.03 MW	0.1 MW
		Peak Capacity contribution - cumulative	0 MW	0 MW	0.01 MW	0.03 MW
		Energy Contribution – cumulative				

Resource	Action		2022	2023	2024	2025
Medium Com DLC Heat-Switch		Nameplate capacity contribution - cumulative	0 MW	0.4 MW	0.8 MW	2 MW
		Peak Capacity contribution - cumulative	0 MW	0.1 MW	0.3 MW	1 MW
		Energy Contribution – cumulative				
Customer pilot: Time of use/time variable rates pilot	Time of use/time variable rates pilot	Nameplate capacity contribution - cumulative	N/A	N/A	N/A	N/A
		Peak Capacity contribution - cumulative	N/A	N/A	N/A	N/A
		Energy Contribution – cumulative	N/A	N/A	N/A	N/A
		Tasks	<ul style="list-style-type: none"> File tariff for TVR pilot Finalize pilot design, online tools and go-to-market strategy 	<ul style="list-style-type: none"> Implement educational outreach plan 	<ul style="list-style-type: none"> Implementation and customer experience management 	<ul style="list-style-type: none"> Conclusion of pilot

Renewable Energy Target

Resource	Action		2022	2023	2024	2025
Resource Additions: Utility-Scale Resources	Issue All-Source RFP	Nameplate capacity contribution - cumulative			400 MW	400 MW
		Peak Capacity contribution - cumulative			53.5 MW	53.5 MW
		Energy Contribution - cumulative			1,264,672 MWh	1,256,987 MWh
		Tasks	<ul style="list-style-type: none"> Complete Phase 1 evaluation process in first quarter Complete Phase 2 evaluation process Update Customer Benefit Inputs from Bids Identify Shortlist in the third quarter Negotiate and execute contracts 	<ul style="list-style-type: none"> Monitor progress of project development Incorporate complete and operating projects into PSE energy supply portfolio 	<ul style="list-style-type: none"> Monitor progress of project development Incorporate complete and operating projects into PSE energy supply portfolio 	<ul style="list-style-type: none"> Monitor progress of project development Incorporate complete and operating projects into PSE energy supply portfolio
Resource Additions: Distributed Solar Resources	Launch distributed solar programs with utility-owned assets	Nameplate capacity contribution - cumulative		1.3 MW	2.9 MW	4.9 MW
		Peak Capacity contribution - cumulative		0.02 MW	0.04 MW	0.08 MW
		Energy Contribution - cumulative		1,760 MWh	3,967 MWh	6,600 MWh

Resource	Action	Tasks	2022	2023	2024	2025
		<ul style="list-style-type: none"> Launch targeted DER RFP Complete Phase 1 and 2 evaluation process Work with stakeholders through design process Design marketing and outreach plan for program enrollment with stakeholders Complete program eligibility requirements and enrollment processes Select vendor for programs Ongoing development of pilot projects for distributed solar programs 		<ul style="list-style-type: none"> File tariff for residential rooftop solar leasing program to the WUTC Launch new program and initiate education and outreach plan 	<ul style="list-style-type: none"> Continue to provide education on programs through communication channels 	<ul style="list-style-type: none"> Continue to provide education on programs through communication channels
Resource Additions: Distributed Solar Resources (continued)	Launch distributed solar programs with non utility-owned assets	Nameplate capacity contribution - cumulative		14.7 MW	30.1 MW	46.2 MW
		Peak Capacity contribution - cumulative		0.24 MW	0.48 MW	0.74 MW
		Energy Contribution – cumulative		19,962 MWh	40,945 MWh	62,737 MWh
		Tasks	<ul style="list-style-type: none"> Launch targeted DER RFP Complete Phase 1 and 2 evaluation process Work with stakeholders through design process Design marketing and outreach plan for program enrollment with stakeholders Complete program eligibility requirements and enrollment processes File tariff for C&I rooftop solar incentive and Distributed solar PPA programs to the WUTC Ongoing development of pilot projects for distributed solar programs 	<ul style="list-style-type: none"> Launch new customer or 3rd party owned solar programs Begin device registration and interconnection support for new devices File tariff for customer-sited solar+storage offering to the WUTC 	<ul style="list-style-type: none"> Launch customer-sited solar + storage offering Continue device registration and interconnection support for new devices Add list of potential solar products included on device marketplace to enable customers to shop for devices and services Continue to provide education on programs through communication channels 	<ul style="list-style-type: none"> Continue device registration and interconnection support for new devices Continue to provide education on programs through communication channels
	Launch targeted distributed solar programs for vulnerable populations	Nameplate capacity contribution - cumulative		0.8 MW	1.7 MW	2.7 MW
		Peak Capacity contribution - cumulative		0.01 MW	0.03 MW	0.04 MW
		Energy Contribution - cumulative		1,146 MWh	2,357 MWh	3,622 MWh

Resource	Action	Tasks	2022	2023	2024	2025	
		<ul style="list-style-type: none"> Launch targeted DER RFP Complete Phase 1 and 2 evaluation process Identifying and working with a diverse set of community members through the design process PSE conducts community outreach and solicits input for expanding solar PV access and benefits for vulnerable populations. PSE completes its vendor selection that is contingent on program approval for the Residential Rooftop Solar Leasing program 	<ul style="list-style-type: none"> File tariff for residential rooftop solar leasing program for low income customers to the WUTC Launch residential rooftop leasing program for low income customers Initiate education and outreach plan in partnership with community-based organizations/non-profit organizations File tariff for multi-family solar programs to the WUTC 	<ul style="list-style-type: none"> Continue to enroll customers in residential rooftop solar leasing program for low income customers Launch Multifamily solar partnership and multifamily rooftop solar incentive programs Add list of potential solar products included on device marketplace to enable customers to shop for devices and services Continue to provide education on programs through communication channels 	<ul style="list-style-type: none"> Continue to enroll customers in residential rooftop solar leasing program for low income customers Continue to provide education on programs through communication channels and feedback sessions with community stakeholder organizations 		
Resource Additions: Community Solar	Complete First Round Community Solar	Nameplate capacity contribution - cumulative	6 MW	12 MW	19 MW	25.6 MW	
		Peak Capacity contribution - cumulative	0.11 MW	0.2 MW	0.31 MW	0.37 MW	
		Energy Contribution - cumulative	9,973 MWh	18,616 MWh	28,631 MWh	35,685 MWh	
		Tasks	<ul style="list-style-type: none"> Subscribe 4300 customers, including 1200 income-eligible customers Develop sixth project Seek additional projects 	<ul style="list-style-type: none"> Add 6MW of solar projects to Community Solar portfolio Expand customer enrollment, including from income-eligible customers Seek additional projects Maintain subscriptions in previous projects 	<ul style="list-style-type: none"> Add 6 MW of solar projects to Community Solar portfolio Expand customer enrollment, including from income-eligible customers Seek additional projects Maintain subscriptions in previous projects 	<ul style="list-style-type: none"> Maintain subscriptions in previous projects 	
Resource Additions: Non-wires alternatives	Bainbridge Island: Install Battery Energy System at 3 MW and solar system at 3 MW	Nameplate capacity contribution - cumulative		3 MW	6 MW	6 MW	
		Peak Capacity contribution - cumulative		0 MW	0 MW	0 MW	
		Energy Contribution – cumulative		4,074 MWh	8,162 MWh	8,147 MWh	
		Tasks	<ul style="list-style-type: none"> Design for Battery System Complete Schedule 152 interconnection process Public Engagement on battery 	<ul style="list-style-type: none"> Review and approval of engineering designs Construction and testing of battery system 	<ul style="list-style-type: none"> Complete testing of battery system Interconnect and operate battery system 		
	Issaquah: Targeted Energy Efficiency Add 3 MW of solar generation Add 3 MW of battery storage	Nameplate capacity contribution - cumulative				3 MW	9 MW
		Peak Capacity contribution - cumulative				0 MW	0 MW
		Energy Contribution – cumulative					To be determined

Resource	Action	Tasks	2022	2023	2024	2025
	Add 3.1 MW of Demand Response Programs	Tasks	<ul style="list-style-type: none"> Engage customers in project area for feedback on implementation Develop technical specifications Issue RFP for distributed solar and battery systems Complete Contracts 	<ul style="list-style-type: none"> Implement targeted energy efficiency programs in area Design distributed solar and battery Systems Design distributed solar and battery Interconnection Scope demand response program set in target area 	<ul style="list-style-type: none"> Continue targeted energy efficiency programs in area Construct distributed solar systems Construct battery storage systems Pilot demand response program to test customer response 	<ul style="list-style-type: none"> Continue targeted energy efficiency programs in area Test distributed solar and battery systems Complete distributed solar and battery interconnections Scale demand response programs
Resource Additions: Non-wires alternatives (continued)	Sumner: Targeted Energy Efficiency Add 3.8 MW of battery storage Add 3.2 MW of Demand Response Programs	Nameplate capacity contribution - cumulative				7 MW
		Peak Capacity contribution - cumulative				0 MW
		Energy Contribution – cumulative				To be determined
		Tasks	<ul style="list-style-type: none"> Engage customers in project area for feedback on implementation Develop technical specifications Issue RFP for distributed solar and battery systems Complete contracts 	<ul style="list-style-type: none"> Implement targeted energy efficiency programs in area Design distributed solar and battery systems Design distributed solar and battery Interconnection Scope demand response program set in target area 	<ul style="list-style-type: none"> Continue targeted energy efficiency programs in area Construct distributed solar systems Construct battery storage systems Pilot demand response program to test customer response 	<ul style="list-style-type: none"> Continue targeted energy efficiency programs in area Test distributed solar and battery systems Complete distributed solar and battery interconnections Scale demand response programs
Resource Additions: Distributed Storage Resources	Launch distributed storage programs with utility-owned assets	Nameplate capacity contribution - cumulative		1.2 MW	4.3 MW	12.8 MW
		Peak Capacity contribution - cumulative		0.2 MW	0.5 MW	0.7 MW
		Energy Contribution – cumulative		NA	NA	NA
		Tasks	<ul style="list-style-type: none"> Launch targeted DER RFP Complete Phase 1 and 2 evaluation process Complete vendor selection Work with stakeholders through design process Design marketing and outreach plan for program enrollment with stakeholders Scoping technical requirements Complete program eligibility requirements and enrollment processes Ongoing development of pilot projects for distributed storage programs 	<ul style="list-style-type: none"> File tariff for C&I space leasing for batteries and residential PSE battery leasing to the WUTC 	<ul style="list-style-type: none"> Launch C&I space leasing for batteries and residential PSE battery leasing programs Continue to provide education on programs through communication channels 	<ul style="list-style-type: none"> Continue enrollment in C&I space leasing for batteries and residential PSE battery leasing programs Continue to provide education on programs through communication channels

Resource	Action		2022	2023	2024	2025
Resource Additions: Distributed Storage Resources	Launch distributed storage programs with non-utility-owned assets	Nameplate capacity contribution - cumulative		3.5 MW	7.5 MW	12.5 MW
		Peak Capacity contribution - cumulative		0.68 MW	0 MW	0 MW
		Energy Contribution – cumulative		NA	N/A	N/A
		Tasks	<ul style="list-style-type: none"> • Launch targeted DER RFP • Complete Phase 1 and 2 evaluation process • Work with stakeholders through design process • Design marketing and outreach plan for program enrollment with stakeholders • Scoping technical requirements • Complete program eligibility requirements and enrollment processes • Ongoing development of pilot projects for distributed storage programs 	<ul style="list-style-type: none"> • Launch new customer or 3rd party owned solar programs • File tariff for PSE customer-sited solar+storage offering to the WUTC 	<ul style="list-style-type: none"> • Launch PSE customer-sited solar + storage offering • Begin device registration and interconnection support for new devices • Continue to provide education on programs through communication channels 	<ul style="list-style-type: none"> • Continue to interconnect more customer storage devices • Continue to provide education on programs through communication channels
	Launch distributed storage programs for vulnerable populations	Nameplate capacity contribution - cumulative		0.1 MW	0.2 MW	0.3 MW
		Peak Capacity contribution - cumulative		0.1 MW	0.01 MW	0.2 MW
		Energy Contribution – cumulative		N/A	N/A	N/A
		Tasks	<ul style="list-style-type: none"> • Launch targeted DER RFP • Complete Phase 1 and 2 evaluation process • Identifying and working with a diverse set of community members through the design process • Ongoing development of pilot projects for distributed storage programs 	<ul style="list-style-type: none"> • Establish program eligibility requirements and enrollment processes • File tariff for residential PSE battery leasing program for low income customers to the WUTC 	<ul style="list-style-type: none"> • Continue to enroll customers in residential rooftop solar leasing program for low income customers • Launch Multifamily solar partnership and multifamily rooftop solar incentive programs • Add list of potential solar products included on device marketplace to enable customers to shop for devices and services • Continue to provide education on programs through communication channels 	<ul style="list-style-type: none"> • Continue to enroll customers in residential battery leasing program for low income customers • Continue to provide education on programs through communication channels and feedback sessions with community stakeholder organizations

Other Actions

Resource	Action	Tasks	2022	2023	2024	2025
Distributed Energy Resource Enablement	Initiate Strategy, Procurement, Customer, and Operations workstream	Tasks	<ul style="list-style-type: none"> Develop dispatch operations and DER IT/OT strategy 	<ul style="list-style-type: none"> Begin scoping enhancements to the customer relationship management (CRM) system Complete enhancements to complex billing systems 	<ul style="list-style-type: none"> Launch device marketplace Launch billing enhancements 	<ul style="list-style-type: none"> Evaluate use cases for ADMS-integrated DERMS in preparation for next CEIP
Grid Modernization	Grid Modernization: Virtual Power Plant	Tasks	<ul style="list-style-type: none"> Implement Virtual Power Plant Launch Hosting capacity analysis, map and customer portal 	<ul style="list-style-type: none"> Ongoing support and maintenance 	<ul style="list-style-type: none"> Ongoing support and maintenance 	<ul style="list-style-type: none"> Ongoing support and maintenance
	Grid Modernization: DERMS	Tasks			<ul style="list-style-type: none"> Develop requirements and acquisition process Begin implementation 	<ul style="list-style-type: none"> Continue implementation
	Grid Modernization: Volt-var optimization	Tasks	<ul style="list-style-type: none"> Complete design phase of pilot Begin testing and operational procedures Begin installations on 8 circuits 	<ul style="list-style-type: none"> Testing and commissioning of new equipment Phase out of pilot program Create business case for a full program rollout 	<ul style="list-style-type: none"> Initiate program rollout to 4-6 additional substations 	<ul style="list-style-type: none"> Continue program rollout to 4-6 additional substations
	Grid Modernization: Hosting capacity analysis tool	Tasks	<ul style="list-style-type: none"> Planning, design and execution 	<ul style="list-style-type: none"> Ongoing support of the new tools 	<ul style="list-style-type: none"> Ongoing support of the new tools 	<ul style="list-style-type: none"> Ongoing support of the new tools
	Grid modernization: Supervisory Control and Data Acquisition (SCADA)	Tasks	<ul style="list-style-type: none"> Install or upgrade SCADA in 16 substations 	<ul style="list-style-type: none"> Install or upgrade SCADA in 18 substations 	<ul style="list-style-type: none"> Install or upgrade SCADA in 24 substations 	<ul style="list-style-type: none"> Install or upgrade SCADA in 23 substations
	Grid modernization: Data Lake and Data Analysis	Tasks		<ul style="list-style-type: none"> Develop IT/OT architecture Develop business processes and tool enhancements that support updates to GIS data Develop business processes and tool enhancements that support updates to DER asset information 	<ul style="list-style-type: none"> Begin implementation of architecture and business processes/tools identified in 2023 	<ul style="list-style-type: none"> Complete implementation and reassess ongoing data needs and gaps
	Grid modernization: Circuit Enablement	Tasks			<ul style="list-style-type: none"> Enable 7-8 circuits for up to 5 MW of DERs 	<ul style="list-style-type: none"> Enable 8-9 circuits for up to 5 MW of DERs

Resource	Action	Tasks	2022	2023	2024	2025
	Grid modernization: DER Property Acquisition		<ul style="list-style-type: none"> Evaluate and identify areas of priority in 2022 with the available capacity to accommodate DER, Evaluate and identify areas of the system that serve highly impacted communities and vulnerable populations Evaluate and identify existing PSE-owned locations with the ability to expand 	<ul style="list-style-type: none"> PSE will focus our efforts on property acquisition utilizing the findings of the system analysis 	<ul style="list-style-type: none"> PSE will focus our efforts on property acquisition utilizing the findings of the system analysis 	<ul style="list-style-type: none"> PSE will focus our efforts on property acquisition utilizing the findings of the system analysis
	Grid modernization: Resilience Enhancement					

Other actions that reduce retail sales

Resource	Action	Tasks	2022	2023	2024	2025
PURPA Resources	Schedule 91/PURPA resources	Nameplate capacity contribution - cumulative				
		Peak Capacity contribution – cumulative	52 MW	52 MW	42 MW	42 MW
		Energy Contribution – cumulative		580,831 MWh	580,831 MWh	580,831 MWh
		Tasks	<ul style="list-style-type: none"> Update Schedule 91 rates in accordance with WAC 480-106-007 PSE may purchase RECs when agreed upon with parties 	<ul style="list-style-type: none"> Update Schedule 91 rates in accordance with WAC 480-106-007 PSE may purchase RECs when agreed upon with parties 	<ul style="list-style-type: none"> Update Schedule 91 rates in accordance with WAC 480-106-007 PSE may purchase RECs when agreed upon with parties 	<ul style="list-style-type: none"> Update Schedule 91 rates in accordance with WAC 480-106-007 PSE may purchase RECs when agreed upon with parties
Customer Programs: Green Direct	Continue Green Direct Phases 1 & 2	Nameplate capacity contribution - cumulative	286 MW	286 MW	286 MW	286 MW
		Peak Capacity contribution – cumulative	51.3 MW	51.3 MW	51.3 MW	51.3 MW
		Energy Contribution – cumulative	656,726 MWh	656,726 MWh	656,726 MWh	656,726 MWh
		Tasks	<ul style="list-style-type: none"> Purchase full output of Skookumchuk Wind and Lund Hill Solar Maintain program with enrolled customers 	<ul style="list-style-type: none"> Purchase full output of Skookumchuk Wind and Lund Hill Solar Maintain program with enrolled customers 	<ul style="list-style-type: none"> Purchase full output of Skookumchuk Wind and Lund Hill Solar Maintain program with enrolled customers 	<ul style="list-style-type: none"> Purchase full output of Skookumchuk Wind and Lund Hill Solar Maintain program with enrolled customers
	Complete Green Direct Phase 3	Nameplate capacity contribution - cumulative				100 MW
		Peak Capacity contribution – cumulative				15 MW
		Energy Contribution – cumulative				314,247 MWh

Resource	Action	Tasks	2022	2023	2024	2025
		Tasks	<ul style="list-style-type: none"> Review results of Phase 3 Request for Information Consider RFP for Phase 3 Resources File updates to Schedule 139 Complete customer enrollment period Complete PPA for selected resource 	<ul style="list-style-type: none"> Monitor development and construction of selected resource 	<ul style="list-style-type: none"> Monitor development and construction of selected resource 	<ul style="list-style-type: none"> Monitor development and construction of selected resource Begin billing of enrolled customers
Customer programs: Net Metering	Net Metering	Capacity contribution - Incremental (Cumulative)	115 MW	135 MW	155 MW	175 MW
		Peak Capacity contribution - cumulative				
		Energy Contribution				
		Tasks	<ul style="list-style-type: none"> Continue to offer net metering under Schedule 150 	<ul style="list-style-type: none"> Continue to offer net metering under Schedule 150 	<ul style="list-style-type: none"> Continue to offer net metering under Schedule 150 File successor tariff with WUTC in anticipation of reaching 4% threshold 	<ul style="list-style-type: none"> Continue to offer net metering under Schedule 150 Enroll new customer-owned system into WUTC approved successor tariff, if 4% threshold is met
Green power community grant		Tasks	<ul style="list-style-type: none"> Distribute funds for projects to be installed Issue RFP to award additional projects Identify and reach out to eligible organizations and Tribal Governments Alert solar installers in PSE's Contractor Alliance Network 	<ul style="list-style-type: none"> Distribute funds for projects to be installed Issue RFP to award additional projects Identify and reach out to eligible organizations and Tribal Governments Alert solar installers in PSE's Contractor Alliance Network 	<ul style="list-style-type: none"> Distribute funds for projects to be installed Issue RFP to award additional projects Identify and reach out to eligible organizations and Tribal Governments Alert solar installers in PSE's Contractor Alliance Network 	<ul style="list-style-type: none"> Distribute funds for projects to be installed