

Distributed Generation Annual Report

Report due by August 1 for the previous reporting year ending April 30.
Please file this report in docket UE-131883.



Utility Name: Puget Sound Energy

Report Year Ending April 30, 2019

22.4 MW *	Utility's current net metering requirement under RCW 80.60.020
277%	Percentage of current requirement installed
8399	Total number of customers with net metering systems as of April 30, 2019
390	Total number of customers with meter aggregation as of April 30, 2019

* Requirement as of 4/30/2019, changed to 179.2 MW on July 28, 2019

Net Metering Distributed Generation						
<i>Applicable to generation interconnected under Puget Sound Energy's Washington State net metering tariff.</i>						
System Information						
Technology	New Systems Installed during Report Year			Total Installed Systems as of April 30, 2019		
	Number of systems	Total nameplate capacity of systems (kW) *	Average system size (kW) *	Number of systems	Total nameplate capacity of systems (kW) *	Average system size (kW) *
Solar PV	1841	15,829	9	8348	61775	7
Wind				29	79	3
Anaerobic Digester						
Micro Hydro	1	56	56	6	101	17
Other †				16	161	10
Totals	1842	15885		8399	62116	

Net Metering Credits	
Total number of net metering credits expired after April 30, 2019.	2,730,050

Annual Energy Production	
Gross kWh produced by customer-generators with a production meter.	PRODUCED: 52,870,802
Behind the meter consumption (kWh) for customer-generators with a production meter.	CONSUMED: 21,340,949
kWh exported to Puget Sound Energy's system from all installed net metering systems.	DELIVERED: 32,084,953

Note: Some customer-generators with net metering systems do not have a production meter.
*See PSE data definitions and calculations on next tab

Non-Net Metered Distributed Generation							
<i>Applies only to generation facilities not utilizing Puget Sound Energy's net metering tariff that are interconnected to Puget Sound Energy's Washington state electric distribution system.</i>							

System Information							
Technology	New Systems Installed during Report Year			Total Installed Systems as of April 30, 2019			Tariff
	Number of systems	Total nameplate capacity of systems (kW) *	Average system size (kW) *	Number of systems	Total nameplate capacity of systems (kW) *	Average system size (kW) *	
Bio-Methane from Dairy Digester	7	4,507	644				
Bio-Methane from Waste Water Treatment	2	585	293				
Landfill Methane	2	5,700	2850				
Hydro	5	7220	1444				
PV	8	1614	202	2	256	128	Sched 91
Wind	3	4478	1493				
Truck test facility ²	2	6500	3250				
Battery Storage	1	2000	2000				
Totals	30	32604		2	256		

* Nameplate capacity reported AC
² Truck test facility utilizes AC dynamometers for generative braking in multiple stationary test cells
 † "Other" includes hybrid technologies interconnected as a single customer-generation system.

	Internal PSE Term	Details	UTC Term on Report	All Net Metered Systems	From Systems where Metered Production > 0
A	Delivered	kWhs from Grid to Customer, measured by Register 1 of Net Meter	N/A	92,479,917	88,642,690
B	Returned	kWhs from Customer to Grid, measured by Register 2 of Net Meter	Delivered	32,084,953	31,529,853
C	Production	Sum Production Meters behind net meters (includes Production and Production Subtracted registers)	Produced	52,870,802	52,870,802
	N/A	Production (C) - Returned (B) for all with Production > 0	Consumed		21,340,949
	Consumption	A Customer's total energy consumption is Production (C) + Delivered from grid (A) - Returned to grid (B)	N/A		109,983,639

PSE report pulls from energy BILLED during periods May 2018 - April 2019. "Valid From" field is interpreted as the Net Meter Installation Date. Further, it's assumed that depending on the date, it takes a month or two for produced/delivered/returned energy to be reflected on a bill. Therefore, if the Net Meter installation is before the 15th of a month, then the billed data for the current month is excluded from the analysis. If the Net Meter installation was after the 15th of a month, then the current + following month is excluded.