

---

WA Solar Summit 2018

Net Metering Data

Leslie Moynihan

Program Manager, Customer Connected Solar

---



October 19, 2018

Utility: Puget Sound Energy

Net Metering Requirement (.5% 1996 Peak Load) : 22.4 MW AC

2017 Net Metered capacity: 40 MW AC (5900 customers)

2018 Update: 52.5 MW / 7300 customers / 1.2% of 1996 peak load)

Capacity of customer-owned PV outside of NM(w/ brief description of rates):

Plans for when Net Metering requirement is met (or exceeded):

Anything to add: 41% of the 30 million kWhs produced by NM customers reduced load, 59% were sent to the grid. 1.1 million kWh credits expired on 4/30/17.

### 2016-2017:

- 41% of the 30 million kWhs produced by NM customers reduced load, 59% was sent to the grid.
- 1.1 million kWh credits expired on 4/30/17.

### 2017-2018:

- 27% reduced load, 73% was sent to the grid.
- 1.8 million kWhs credits expired on 4/30/18

### Where these numbers come from:

#### Your Net Meter Banking Information

|                                   |           |
|-----------------------------------|-----------|
| Net meter prior period bank total | 367 kWh   |
| Current period bank added         | 1,313 kWh |
| End bank total                    | 1,680 kWh |

### Electric Detail Information:

| Rate Schedule | Meter #    | Start Date | End Date | Multiplier | Kilowatt Hours (kWh) | Electric Demand (kW) | Meter Read Type |
|---------------|------------|------------|----------|------------|----------------------|----------------------|-----------------|
|               |            | Read       | Read     |            |                      |                      |                 |
| Residential 7 | U005169417 | 5/10       | 6/11     | 1          | 246                  | —                    | Actual Read     |
|               |            | 35952      | 36198    |            |                      |                      |                 |
| Returned      | U005169417 | 5/10       | 6/11     | 1          | 1,559                | —                    | Actual Read     |
|               |            | 18502      | 20061    |            |                      |                      |                 |
| Production    | A012959870 | 5/10       | 6/11     | 1          | 1,766                | —                    | Actual Read     |
|               |            | 26129      | 27895    |            |                      |                      |                 |

|               | kWhs<br><b><u>PRODUCED</u></b> | kWhs<br><b><u>DELIVERED</u></b> | kWhs<br><b><u>RETURNED</u></b> |
|---------------|--------------------------------|---------------------------------|--------------------------------|
| May           | 4,091,071                      | 6,561,384                       | 2,535,997                      |
| June          | 5,224,792                      | 5,626,890                       | 3,395,073                      |
| July          | 5,646,298                      | 5,157,871                       | 7,750,195                      |
| August        | 5,660,228                      | 5,293,140                       | 3,817,215                      |
| September     | 4,770,715                      | 5,563,863                       | 3,045,869                      |
| October       | 3,497,525                      | 6,261,508                       | 2,194,408                      |
| November      | 1,976,180                      | 8,334,503                       | 1,055,028                      |
| December      | 1,008,431                      | 10,459,115                      | 462,137                        |
| Jan           | 983,231                        | 12,037,623                      | 320,532                        |
| Feb           | 1,219,707                      | 11,175,709                      | 1,560,708                      |
| March         | 2,947,326                      | 9,820,967                       | 1,457,038                      |
| April         | 3,839,769                      | 7,743,074                       | 2,218,254                      |
| <b>Annual</b> | <b>40,865,273</b>              | <b>94,035,647</b>               | <b>29,812,455</b>              |

## What does this tell us?

- Total Energy USE =  $41\text{M} + 94\text{M} - 30\text{M} = 105\text{M}$  kWhs
- NM Customers produced 39% as much energy as they used
- 60-75% of what is produced is returned to the grid.
- 6% of that (1.8M banked kWhs expired 4/30) holds no financial benefit (incentives aside) to the generating customer.

### It doesn't tell us:

- Where the energy was produced relative to distribution capacity
- When the energy was produced relative to demand

Not all that helpful for a value of solar conversation

**This is not** an argument for or against Net Metering policy. It is simply one aspect of the data that's needed to inform a healthy conversation.