2019 Electric System Operating Budget: $665 million

2019 Water System Operating Budget: $12 million

The second largest public electric utility in the Pacific Northwest and the 12th largest in the U.S.

A municipal corporation of the state of Washington, formed by the voters of Snohomish County in 1936

Directed by three elected commissioners: Sidney (Sid) Logan of Arlington (District 1), Rebecca Wolfe of Edmonds (District 2); and Toni Olson of Everett (District 3).

2018 Average Number of Employees: 1005
SERVICE AREA

**Electric**
- Serves a population of about 817,000
- Covers 2,200 square miles in Snohomish County and on Camano Island

**Water**
- Serves over 21,000 residential metered customers
- Operates 10 separate water systems
- Supplies about 222 million cubic feet (retail and wholesale)
- Covers about 196 square miles in Lake Stevens, Granite Falls and several rural communities in Snohomish County
- **Key Facts:** 17 reservoirs, 4 treatment plants, 396 miles of water main
2018 POWER USAGE & FACTS

- **Total Sales:** 8.5 million megawatt-hours
- **Average Residential Customer Use:** 11,201 kilowatt-hours
- **New Electric Service Connections:** 4,341
- **Annual System Peak Demand:** 1,317 megawatts
- **Annual System Average Demand:** 762 average megawatts
- **Total Power Line Miles:** 6,496 miles
- **Total Substations:** 98 including switching stations
- **Number of Poles:** 113,000
- **Average Electric Rates:**
  - **Residential:** 10.4 cents per kilowatt-hour
  - **Commercial & Industrial:** 8.3 cents per kilowatt-hour

Note: A kilowatt (kW) is one thousand watts; a megawatt is one million watts. One thousand kilowatts equals one megawatt. One megawatt (MW), on average, powers about 1,000 homes.
In 2011, the PUD supplemented its Henry M. Jackson hydro-electric project with the Youngs Creek hydro project. It also purchased and upgraded another small hydropower project at Woods Creek, tripling the plant’s generating output. In 2018, the utility completed and began operating two additional hydropower projects on Hancock and Calligan Creeks, northeast of North Bend, WA. These five projects combined generate enough power for 54,000 homes.
About 6 to 8 percent of the PUD’s energy supply has come from wind in recent years, one of the highest amounts among Northwest utilities. The PUD contracts with three wind facilities in Washington and Oregon: White Creek, Wheat Field and Hay Canyon. These projects provide enough energy to serve more than 45,000 homes.
In April 2019, the PUD launched its first Community Solar project. It offers an easy, affordable way to support renewable energy by purchasing “units” at a community site. The site is part of the PUD’s Arlington Microgrid and Clean Energy & Technology Center. The solar energy system’s generating capacity is 500 kilowatts – enough to power about 50 homes. Each panel has 5 units for a total of 8,100 units. In exchange, participants will receive a bill credit every month for up to 20 years.
The PUD has installed energy storage systems at multiple sites, aimed at helping make the technology more economically and operationally viable.

The energy storage systems take advantage of an innovative Modular Energy Storage Architecture (MESA), which aims to accelerate the growth of the industry through open, non-proprietary specifications and standards. The PUD program is made possible in part by an $11 million investment from the Washington State Clean Energy Fund.
Wood waste and methane from cow manure help power PUD customers’ homes. Hampton Lumber Mills, in Darrington, burns wood waste by-products to generate electricity. Qualco Energy in Monroe uses waste – including cow manure, restaurant trap grease, expired alcohol and soda – to produce methane for power generation. Collectively these projects provide enough energy for more than 1,000 homes.
In the past several years, the PUD has been awarded more than $41 million for renewable energy, conservation and smart grid technology projects.

The PUD over the ownership and operation of the Warm Beach Water system with the help of two Drinking Water State Revolving Fund loans/grants from the Department of Health totaling more than $6.2 million.

The Youngs Creek hydro project was named *Hydro Project of the Year* (2012) by *Renewable Energy World* magazine.

The Jackson hydro project has received the National Hydro-power Association *Stewards of American Waters Award* and the Puget Sound Regional Council *Vision 2040 Award*. In 2019, the NHA again honored the PUD for work done on the Jackson project to improve conditions for salmon and other aquatic life in the Sultan River, downstream of the Spada Lake Reservoir.
CONSERVATION ACHIEVEMENTS

- Regional leader in conservation for over 40 years
- 2018 Conservation Expenditures: $14 million
- In last three years:
  - Sold more than 11 million energy-saving lights in a residential retail network
  - Total residential energy savings of 10.6 average megawatts
  - Total business energy savings of 13.5 average megawatts
  - Over 4,500 energy-efficiency projects and 2,000 efficient lighting projects completed in local businesses
The PUD is proud to serve many of the world’s finest, such as:

- **Boeing Commercial Airplanes**: assembly facility for the 787 Dreamliner, 747, 767, and 777, 777X airplanes and home of the KC-46 Pegasus next gen tanker for the U.S. Airforce.
- **Fluke Corporation**: a world leader in the manufacture, distribution and service of electronic test tools and software.
- **Naval Station Everett**: U.S. Navy’s newest naval station and homeport to five battle fleet ships and two Coast Guard vessels.

The utility also serves 22 cities, towns and communities and 14.5 public school districts.

**REGIONAL RESIDENTIAL BILL COMPARISONS**

Based on 1,000 kilowatt-hours (average rates, as of April 2019; includes customer charges where applicable)
## LEADERSHIP TEAM

<table>
<thead>
<tr>
<th>Role</th>
<th>Name</th>
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<tbody>
<tr>
<td>CEO/General Manager</td>
<td>John Haarlow</td>
</tr>
<tr>
<td>Commission &amp; Executive Services Director</td>
<td>Melissa Collins</td>
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<tr>
<td>Communications, Mktg &amp; Business Readiness</td>
<td>Julee Cunningham</td>
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<tr>
<td>Customer &amp; Energy Services</td>
<td>Pam Baley</td>
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<td>Distribution &amp; Engineering Services</td>
<td>Guy Payne</td>
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<td>Finance</td>
<td>Scott Jones</td>
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<td>General Counsel</td>
<td>Anne Spangler</td>
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<td>Government and External Affairs</td>
<td>Kim Johnston</td>
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<td>Human Resources</td>
<td>Allison Jubb</td>
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<td>Information Technology Services</td>
<td>Dean Galvez</td>
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<tr>
<td>Water Utility</td>
<td>Brant Wood</td>
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