



THE WIRE

YOUR CONNECTION TO SNOHOMISH COUNTY PUD

JULY 2018 | SNO-PUD.COM

UNDERSTANDING THE PUD'S POWER SUPPLY

THE PUD SERVES ITS CUSTOMERS with electricity from several sources – the bulk coming from clean, renewable hydropower provided by contracts with the Bonneville Power Administration. Other sources include PUD-owned hydropower, local biomass and biogas projects, small rooftop solar installations and long-term wind contracts.

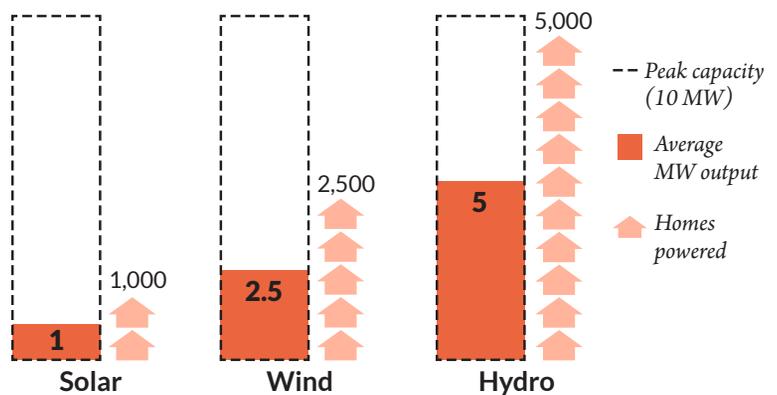


Different Energy Sources, Different Energy Output

Over the course of a year, each energy source generates differently, depending on fuel availability. Wind turbines need the wind to blow. Solar projects need the sun to shine. Hydropower facilities need adequate water. The maximum amount each energy source can produce is called its **peak capacity**. Most energy sources cannot operate at their peak or maximum production level at all times. The PUD must consider the annual amount of energy it needs and the amount of power required to serve periods of peak demand.

Average Output by Power Source

Energy sources generate in units called megawatts (MW). One MW is enough to meet the needs of about 1,000 homes. This chart shows solar, wind and hydropower facilities, assuming each can produce 10 MW at its peak capacity. It also shows the average MW output of each source over a year. The chart shows solar and wind resources do not produce as much as hydropower on an annual basis. They are also not as well-suited to meet the PUD's winter demand due to the variability of wind and the season's reduced level of sunshine. As a result, other peak generation resources – like hydro, nuclear or natural gas – are sometimes required.



How Energy Conservation Helps



If customers can reduce energy consumption during times of high energy demand – on chilly winter mornings (6-9 a.m.) and after work and school (5-7 p.m.), this can minimize the amount of energy the PUD needs to purchase on the short-term market. It may be as simple as using the toaster oven instead of the range or wearing a sweater instead of cranking up the heat. These efforts keep PUD costs in check and help customers save money on bills.

To learn more about our power resources, visit our website at snopud.com and click on "Power Supply."



Power Outages: 425-783-1001
24 hours a day / 7 days a week
Toll-free: 1-877-783-1001

Customer Service: 425-783-1000
Monday to Friday, 8:00 AM - 5:30 PM
1-877-783-1000 outside Everett and in Western Washington



Commissioners Sid Logan, Kathleen Vaughn, Toni Olson

Attend a Commission Meeting

As a public power utility, the PUD wants to hear from you, its customers. Attend a Board of Commissioners meeting to learn more about how the utility develops its policies and services. Meetings are scheduled at the PUD’s Everett headquarters, starting at 1:30 p.m. twice each month. Upcoming meetings are planned for July 10, July 24, August 7 and August 21. Agendas are posted at snopud.com. *



PUD Report Available

Interested in a PUD report about our programs and policies? Each year, the PUD updates information about its billing and credit policies, rates, payment arrangement options, investments in conservation programs, an explanation of taxes and various other topics. Customers can view the report in the About Us/Quick Facts section of our website. Or you can request a copy of this annual disclosure report by calling 425-783-8444.



Improved SnoPAY Online Bill Payment

We’ve heard our customers input, and we’ve improved our online SnoPAY bill payment program. It has a new look and feel, including easier online enrollment, better navigation and useful consumption graphs. It also displays better on smartphones. New customers will be able to enroll for paperless billing prior to their first invoice directly through the website. For existing SnoPAY customers, there will be no need to re-enroll, change your password or re-enter payment information. Check it out by visiting snopud.com/snopay.



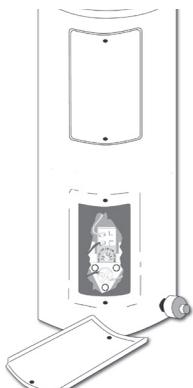
Easy Way to Help the Environment

PUD customers can now enroll in the PUD’s new **Carbon Solutions** program, which supports wind and solar energy projects in Washington, Idaho and other western states. It’s another way for you to support regional renewable energy development. Customers can participate for as little as \$4.50 per month. For more information, visit snopud.com/carbonsolutions.



How Efficient is Your Home?

Use the PUD’s Home Energy Profile to learn more about your home’s efficiency. The free online assessment is easy and just takes a few minutes to complete. The review covers areas such as your home’s weatherization, fuel source, appliances and hot water use. You will receive a free report of your home’s energy use as well as recommendations to lower your use through PUD conservation programs and other measures. To take the assessment, visit snopud.com/energyprofile.



Safety Tip:

Set your Water Heater at the Right Temperature

Remember to set your home water heater no higher than 120 degrees. This temperature setting reduces the risk of accidental scalding, especially to children and the elderly. It also saves energy and helps reduce your utility bill.

To set the temperature, turn the water heater off at the circuit breaker panel or fuse box, remove the face plates on the tank that cover each element, and use a screwdriver to turn the temperature control dial to “120.” If you feel you can’t handle this task safely, contact an electrician.