



Winter storm damage on Deer Park Road



Miles Road, off of O'Brien Rd.



Golf Course Road in Port Angeles



Before and After – our Right of Way Maintenance Operators hard at work clearing vegetation.

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Clallam County PUD  
 PO Box 1000  
 Carlsborg, WA 98324

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DOUG NASS

# From the General Manager

## Dear Customers,

With Spring in full swing, employees here at the PUD turn their attention to major projects that need to be completed during construction season. These are the projects approved in the budget for 2019 that was passed in December. Inside this edition you will see a list of the top three projects each for the electric side of the utility and the water side. There are many other projects and maintenance items that keep every department at the PUD busy, improving reliability, safety, and efficiencies throughout all of our processes.

I had mentioned in a previous edition that the Emergency Response and Restoration Plan was completed in the fall of 2018 and rolled out to employees. We have shared this document along with our home preparedness guide and other links to emergency planning resources on our website at [www.clallampud.net/emergency-planning/](http://www.clallampud.net/emergency-planning/) and I hope you can extract some useful information from this page to help prepare your family. If nothing else, the challenges we saw across our community from just the snow we experienced this winter demonstrated the importance of preparation for any level of emergency. While we benefit greatly from the beauty of living in a rural area, it comes with a responsibility to ourselves to be prepared to be on our own for some time in a disaster. Each household should be prepared for 30 days without power in the event of a major earthquake. Please be prepared! We also are blessed to live in small communities where people respond to assist neighbors and total strangers who need help.

As always, if you have any comments, questions, or feedback, please do not hesitate to reach out by calling or emailing us at [info@clallampud.net](mailto:info@clallampud.net).

Doug Nass, General Manager

## Contact PUD

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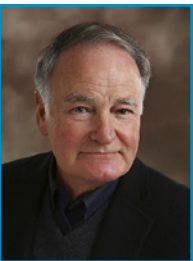
### Fuel Mix

Your PUD's electricity comes from the following fuel mix (which is 98% clean energy!):

Coal:	1%
Hydroelectric:	87%
Natural Gas:	1%
Nuclear:	11%
Total:	100.00%

## Commissioners

Clallam County Public Utility District #1 is directed by a three-member board of commissioners elected by the citizens of the county. Our Board holds public meetings the 2nd and 4th Mondays monthly at 1:30 p.m. at our Carlsborg Main Office.



**Will Purser**  
*President, District #1*

Will Purser has served as District 1 PUD Commissioner since appointment in April 2001. He represents the 1st District, which is the Eastern part of the County. Commissioner Purser recognizes that the issues of energy, water, and waste disposal are critical to the quality of life of Clallam

County residents now and in the future. He also serves on the Energy Northwest Board of Directors' Executive Board. Energy Northwest is a Joint Operating Agency of 28 public utilities operating nuclear, hydroelectric, wind, and solar projects.

[wepurser@clallampud.net](mailto:wepurser@clallampud.net) • 360-565-3512



**David Anderson**  
*Secretary, District #2*

David Anderson was appointed in September of 2018. He spent thirteen years as a Project Manager on the design and construction of utility projects, as well as fifteen years prior in construction and project management roles. With a Masters degree in Construction

Management, his experience is invaluable to understanding the District's infrastructure and future planning as the PUD grows. His interest as Commissioner is "to assure that management of the PUD continues to provide reliable and affordable power, water and wastewater..." adding that the role allows him to expand his engagement in community service.

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**Jim Waddell**  
*Vice President, District #3*

Jim Waddell is a Civil Engineer who is retired from a 35-year public service career with the U.S. Army Corps of Engineers. For over twenty years of that career he has been a leader in developing the policies and practice of Sustainable Development. He also served with the

Environmental Protection Agency and the National Science Foundation (NSF). Jim's work with the NSF and then as the Senior Policy Analyst for the Environment in the White House office of Science and Technology Policy was largely focused on climate change policy, budgets and research integration. During the early stages of his career, Jim Waddell was an officer in the Army National Guard, serving in Engineer, Signal, and Transportation units.

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## Spring Safety

Spring weather arrived nearly overnight and that prompted a flurry of activity as Clallam County residents welcomed the first real opportunity to start on outdoors projects. Unfortunately, as this article was being written, the southern Carlsborg area was in the midst of an unplanned outage due to an underground cable dig-in. We repeat the message every year, but it bears reminding everyone again and again to please Call Before You Dig. It's as simple as dialing "811" two business days before you begin digging, or you can go online to [www.callbeforeyoudig.org](http://www.callbeforeyoudig.org) and click your state, and then select whether you are a homeowner or contractor. Contractors can visit our Contractor Safety page at [www.clallampud.net/safety-for-contractors/](http://www.clallampud.net/safety-for-contractors/)

As far as overhead lines go, keep ladders, loads in the back of trucks, and other tools you may be using at elevation a minimum of ten feet away from overhead power lines. Never spray water near power lines. Consider your route when transporting tall equipment or loads. Do not fly kites, drones, or model aircraft near power lines or antennas. We also discourage the use of mylar balloons, especially during outdoor birthday parties as these can make contact with the lines and cause an outage. If you are planting trees, research your choices prior to planting near power lines so the tree full growth height is appropriate for its location. (Just as important is to not plant where roots can grow into underground power lines – again, call 811.)

Keep areas around PUD electrical equipment such as padmount transformers, and electric meters free from vegetation so that PUD employees have safe access (see documents referenced below on website.) Inspect the power cords and plugs of your power yard tools and equipment, as well as extension cords for fraying or other damage. Store your tools in a dry location.

You can find information on our Facility Access Policy, Electric Service Requirements, Electric Service Regulations, and plenty of safety information at our website at [www.clallampud.net](http://www.clallampud.net), or do not hesitate to call or email us!

### REMINDER - APRIL 1, 2019 RATE INCREASE

The PUD reminds customers that the new electric rates are effective on all bills rendered on or after April 1, 2019.

At their December 10, 2018 Commission meeting, the Board adopted the 2019 Electric Operating Fund Budget which included an average electric rate increase of 3.8% amounting to approximately \$4.70 per month for the average residential rate payer for all bills rendered on or after April 1, 2019.

The new residential electric rate for most of the county is \$0.074 per kilowatt hour. You can find the detailed rate schedule at

<https://www.clallampud.net/electric-rate-information-2/>

**Be safe: Call 811 before you dig to identify underground utilities.**



**Know what's below.  
Call before you dig.**

<http://www.callbeforeyoudig.org/washington/>



# 2019 Major Projects

The District's Strategic Plan, with its Strategic Objectives and Initiatives, drives the projects that are implemented each year to support these Initiatives. While the actual project list each year is extensive, and touches all departments, here are the top three projects each for the electric and water sides of the utility. So if you see PUD activity in these areas of the county this year, you'll know where your PUD dollars are hard at work improving reliability, safety, and efficiencies.

## ELECTRIC

### **Fir Street Electric Upgrade and Underground Conversion Project**

Clallam PUD will perform utility relocation work concurrent with the City of Sequim street improvement project scheduled this year for Fir Street between Sequim Ave. and 5th Ave. The overhead distribution lines on the south side of Fir Street will be relocated and placed underground with higher capacity. This will significantly reduce exposure to traffic and provide circuit redundancy which will improve general system reliability.

### **Forks Substation Rebuild and Consolidation Project**

In accordance with Clallam PUD's Long-Term Plan the adjacent Forks substations located near Bogachiel Way and Fifth Ave will be rebuilt and consolidated this Summer and Fall. The existing transformers are nearing 50 and 70 years of age and will be replaced with a single new transformer, all new electric devices as well as new control systems. The new equipment will substantially improve system reliability and reduce operating cost. The new Forks Substation in combination with previously modernized Calawah, Beaver Camp and Mill Substations will provide complete station redundancy for the entire Forks area for the foreseeable future.

### **Elwha Bridge Relocation Project**

Later this year we expect the State to begin construction of a new bridge to replace the existing Elwha Bridge on Highway 101. Clallam PUD overhead lines across and to either side of the Elwha Bridge will need to be relocated to accommodate construction and conform to the new road alignment. Present plans are to underground some sections of line and cross the river in conduits incorporated into the bridge design. We hope this will eliminate a point of overhead line tree exposure that has caused several outages for our customers west of the River, including the Lake Sutherland area.

## WATER

### **Deer Park Road Pumping Project**

In an emergency response to the 2015 drought, the Water Department quickly installed three booster pump stations along Deer Park Road. This was a temporary measure taken to supply drinking water to the upper Fairview Water System when our Morse Creek Water Treatment Plant shut down due to low flows in the creek.

This year, permanent booster pump stations will be constructed to ensure reliable backup water supplies to our Fairview customers at elevations above the Deer Park Road Reservoir.

### **Gales Addition Reservoir Cover Replacement**

The Gales Addition Reservoir was built in the 1940's and is the District's only in-ground water storage facility. A floating cover was installed in the 1980's. A new floating cover will be installed this year, which will extend the life of the reservoir another 25 years and defer the large capital cost of building a new reservoir.

### **Evergreen Water System Reliability Upgrades**

Reliable power supply is needed for reliable water supply. The District's electric grid is highly reliable in the Evergreen Water System south of Sequim. Nevertheless, to prepare for large, infrequent emergencies such as the Bonneville Power Administration outage in December 2018, the Water Department will be installing emergency generators at the two well sites and backup booster pumping capacity.





# Emergency Response Plan

Clallam PUD rolled out its Emergency Response and Restoration Plan (ERRP) in a presentation to all employees in August of 2018 - the culmination of over two years of effort. The ERRP is the result of intensive staff effort that started in early 2016 to assess the logistics of responding throughout the PUD's service area, physical assets necessary to be able to manage different types of disasters, and collating or creating the supporting documents that comprise the ERRP.



In November of 2006, General Manager Doug Nass arrived in Clallam County, Washington to be greeted in his first two months on the job by two severe windstorms and a heavy snowfall. Clallam County has a total area of 2,671 square miles. Mr. Nass was struck by the physical manner in which outages were tracked, explaining "Literally there were sticky notes stuck to a giant map of the county in the dispatch center."

Over time, District goals were realized in the form of a new outage management system, SCADA implementation, the creation of two dedicated vegetation management teams, and vegetation management tracking as part of the GIS system, all of which contributed to a reduction in outages, and more efficient outage management. Mr. Nass continued to keep at the back of his mind, the need for a comprehensive emergency response plan.

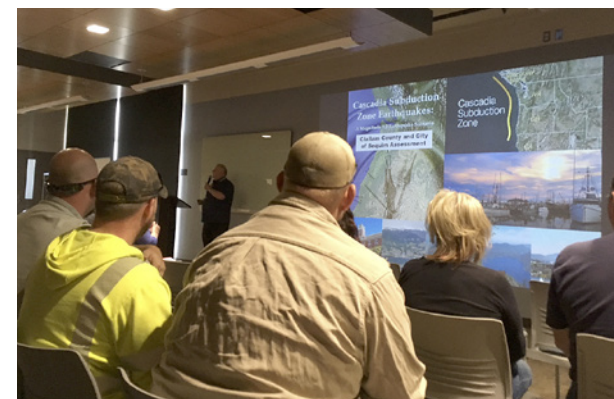
In 2015, more new information was being shared about the potential for a serious earthquake event that was overdue to occur off the Washington and Oregon coast. This Cascadia Subduction Zone has the potential to generate a magnitude 9.0 earthquake event. Local agencies started talking about preparedness at the county level. Clallam PUD was well positioned with its internal technologies and processes to start the development of its own ERRP.

Planning started in earnest in the beginning of 2016 and with the aid of a consultant, Mr. Nass arranged for

the management team to receive a presentation on the impact of a potential Cascadia event on Clallam County, which was presented by former legislator and preparedness advocate Jim Buck of Joyce, WA. Mr. Buck explained that in a serious event, it would be likely that bridges of the county road system would be destroyed, leaving the population hubs as virtual islands or "silos" across the county. In addition, because most resources would go to the far more populated cities along the I-5 corridor, Clallam County residents needed to be prepared to be able to be self sufficient for up to 30 days.

Clallam PUD already has three warehouse locations for three crews situated fairly equidistant across the service area which assists in outage response time. But the District lacked a cohesive document that brought together many of the elements that were already in place. With a skeleton table of contents in as a starting point, the development process began with the consultant interviewing each of the management team to learn about the function of the departments they manage, resources required for resumption of business functions, communications needs, and to identify critical employees.

At the same time, one of the more grueling tasks was to identify any and all associated documents that would need to serve as attachments to the ERRP. This included FEMA documents, departmental disaster recovery plans, operations bulletin (detailing restoration for major events), mutual aid agreements, vendor/supplier lists, and key emergency equipment information. Some of the information could be considered proprietary or confidential such as list of employee contact information or facility utility shut off information so it was determined that there would be four complete master binders located at the District's Main Office and the three Operations warehouses that would be secured with access only during an emergency. The electronic version of these documents, minus the confidential attachments, would be made available on the intranet for employees and a smaller version without attachments provided for employees to keep in their homes as it is understood that a major event electronic access and communications will likely be



severely compromised.

The ERRP itself accounts for identifying the level of response, the incident command structure, emergency communications, pre-disaster planning and response for both home and work, the District's Emergency Operation Center, as well as FEMA reporting. An emergency supply list was created and the District has budgeted the acquisition of the necessary emergency supplies over the next 4 to 5 years.

Once the ERRP was considered nearly complete, it was circulated to all employees in draft form for review and comment since the management team by spring of 2017 had "ERRP fatigue" and wanted to make sure fresh eyes reviewed it and that there was employee buy-in. During this time, tabletop exercises were conducted as the plan was reaching its final draft form to identify any remaining concerns.

Upon finalization of the ERRP, the same Cascadia information was presented by Jim Buck, this time to all employees. The home copies of the ERRP were distributed as well as a Family Emergency Guide Book. "While we hope to never have to implement the full scale ERRP, we are reassured to have brought this Plan to fruition," said General Manager Doug Nass. Jim Buck commented that it was one of the most comprehensive plans he has seen and commended the PUD for their effort. A version of the ERRP has been made available to the public, with confidential information redacted, at [www.clallampud.net/emergency-planning](http://www.clallampud.net/emergency-planning).





# Smart Thermostat Rebate

**Take control of your energy use and save!**

***\*NEW\* to Clallam PUD's incentives is a \$100 rebate for qualifying Smart Thermostats, "smart thermostat" being "the umbrella term" for learning Wi-Fi enabled thermostats.***

The thermostat in our home controls half the energy that's used in our home – more than appliances, more than electronics. Independent studies have proven that Smart Thermostats across the region saved an average of 10–12% on winter electrical bills and 15% on summer electrical bills. That means that in two years, the thermostat can pay for itself.

A Smart Thermostat does this by working with the existing home heating system and allows you to keep tabs on the room temperature from anywhere through a simple online interface or mobile app. A Smart Thermostat is a great way to reduce energy use, lower your bill, and maintain optimum home comfort.

Smart Thermostats provide an affordable and easy way for homeowners to control the use of their heating and cooling system and lower the costs of their electric bills using features such as:

- Occupancy sensors that can tell if a person has been away to conserve energy, when they are not at home
- Learning algorithms that avoid the need to program a set schedule
- Ability for homeowners to control the heating and cooling system remotely through their wireless apps on their phones or tablets (especially valuable for homeowners with second homes)
- Feedback notifications on the energy-saving potential of your thermostat set point and other efficient settings
- Ability to monitor previous electric usage data, and having smarter control of your heating and cooling system when it's not needed at full capacity

Smart Thermostats are available at local retail stores, as well as online. The rebate is \$100 on models that are listed on BPA's qualified products list, and can be installed by either a homeowner or a contractor. To find out more, or to download a rebate form, visit the PUD's Smart Thermostat page at [www.clallampud.net/smart-thermostat-rebate/](http://www.clallampud.net/smart-thermostat-rebate/)



**#ClearlyClallam**

**Brent Henning - Right of Way Maintenance Operator**  
12 years at Clallam PUD



**Tim Arndt - Right of Way Maintenance Operator**  
13 years at Clallam PUD

*"We are grateful for an interesting and secure job and the opportunity to work with people who enjoy making a difference."*



## Hydropower: from water to watt

Rain and melting snow feed streams and rivers. Dams hold back the river water so it can be released onto turbine blades that spin like a propeller. The spinning blades convert the power of the falling river water into electricity, creating hydropower — a clean, renewable energy and the main source of the Northwest's low-cost electricity.



Water from a river or reservoir flows into a **1 PENSTOCK**, a large pipe above or below ground, that is commonly used to direct the water flow. **2 TURBINE BLADES** are pushed by the force of water exiting the penstock, causing them to transfer the energy of falling water to rotate the shaft. The **3 SHAFT** connects the turbine to the generator, turning at the same speed as the turbine. Inside the **4 GENERATOR**, the spinning shaft turns electromagnets inside a stationary ring of copper, moving electrons to produce electricity. **5 WATER FLOW** used to turn the turbines returns to the river. **6 SPILLWAYS** release water downstream that is not directed to the turbines to generate electricity.

## Hydropower: from dam to doorstep



BPA captures the electricity created at

**1 DAMS** and sends it across transmission lines. The **2 TRANSMISSION LINES** move the electricity to **3 SUBSTATIONS** and then transformers, which reduce the voltage of the electricity so it can be used. The lower voltage electricity travels across more **4 LINES** to **5 BUSINESSES** and **6 HOMES**. Some of these lines are strung on metal and wood poles, some are underground. They carry the electricity to your house and through smaller wires in between the floors, ceilings and walls, all the way to the **7 ELECTRIC** outlets and switches that power your **8 LIGHTS**, computers, televisions and household appliances.



WWW.BPA.GOV/HYDROFLOWHERE

## Breaking News - Now Selling Community Solar Units!

Clallam PUD's is now selling units in its Community Solar project. Community solar is a low-hassle option that allows you to support a sustainable future through an investment in a renewable source of energy – solar!



For details about the project including Fact Sheet, Incentives Summary, and sample Participation Agreement, visit:

[www.clallampud.net/communitysolar/](http://www.clallampud.net/communitysolar/)



# The Smart Way - SmartPay!

## No Deposits - No Late Fees - No Billing Statements

Take control of your account with SmartPay!\* Free yourself up from deposits and manage your account from the convenience of your computer or smart phone. SmartPay allows you to:

- Pay what you can, when you can, anytime 24/7!
- Track your daily usage
- Avoid late fees and collection fees
- Your electric service continues as long as you have funds in your account.

Call 360-452-9771 or 800-542-7859 to sign up!

\*Must be enrolled in the SmartHub online account portal with the ability to receive email or text alerts. Upon sign up, any deposit on file will be applied to the account balance. Residential customers with PUD Water, Sewer and/or CT meter service, are not eligible for SmartPay. Other restrictions apply; read the Terms of Service for details.



### Neighborhood Assistance Program

You can help neighbors in need by donating to this fund. Indicate how you would like to contribute and your choice of agency below. Please clip and enclose this with your PUD payment or drop off at your nearest PUD office. (If submitting with payment, only one payment is necessary for both your contribution and your PUD bill.)

Name: \_\_\_\_\_

Acct. No.: \_\_\_\_\_ Phone No.: \_\_\_\_\_

Address: \_\_\_\_\_

My choices for participation in the Neighborly Assistance Program are indicated below. This **replaces** any previous pledges.

☐ Please bill \$ \_\_\_\_\_ every month, beginning with my next statement, until I contact the PUD to cancel.

☐ I prefer a one-time contribution of \$ \_\_\_\_\_

I want my one-time or monthly contribution to go to:

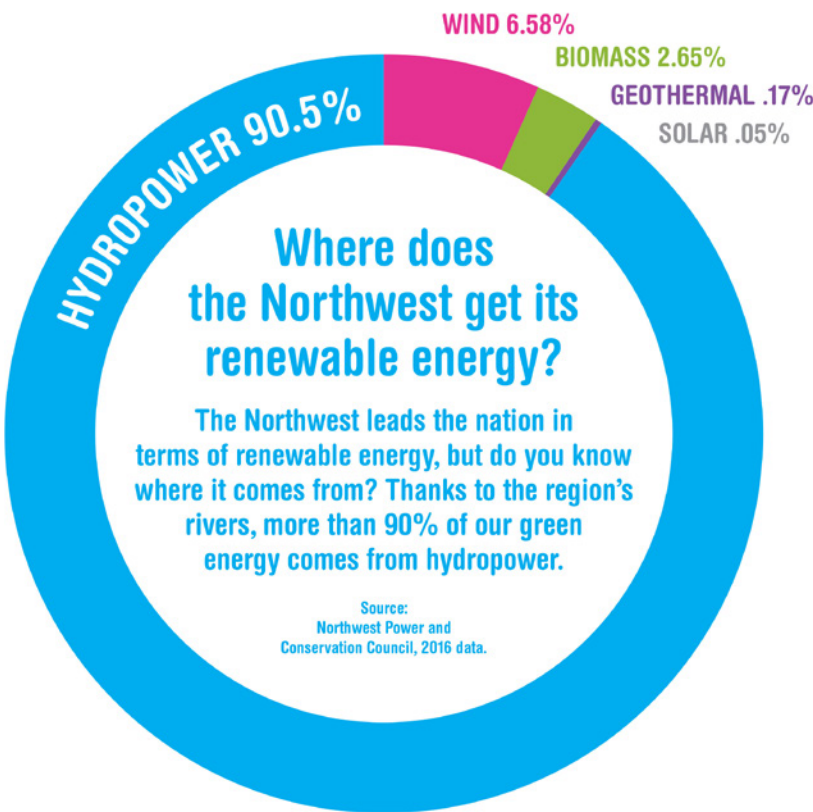
\$ \_\_\_\_\_ to Olympic Community Action Programs

\$ \_\_\_\_\_ to Port Angeles St. Vincent de Paul

\$ \_\_\_\_\_ to Sequim Community Aid

\$ \_\_\_\_\_ to Sequim St. Vincent de Paul

Signature: \_\_\_\_\_ Date: \_\_\_\_\_





- Building EXPO
- Energy Seminars
- Contractor Safety
- Rebates/Incentives
- Participating Installers

# MORE THAN ENERGY. SOLUTIONS.

Clallam PUD and the North Peninsula Building Association - connecting customers and solutions.

**MORE POWERFUL TOGETHER.**

To learn how you and Clallam PUD are #MorePowerfulTogether, visit [www.clallampud.net](http://www.clallampud.net).



CLALLAM COUNTY  
**PUD**  
Bringing Energy To Life™