CLALLAM COUNTY PUD™

Bringing Energy To Life™

HOTLINE

News From Your Public Power Utility • 2nd Quarter, 2021

Clallam PUD crews assist Snohomish PUD in mutual aid to restore extensive storm damage. (Photos courtesy of Snohomish PUD)

It's gardening time – don't forget to Call Before You Dig!

Crews work to replace a pole after a car vs. pole accident in Carlsborg.

Commissioner Rick Paschall takes the oath of office for his full term while social distancing.

INSIDE:

Clallam County PUD
PO Box 1090
Port Angeles, WA 98362

Postal Customer

PRSRT STD
U.S. Postage
PAID
Olympic Mailing
Services
ECRWSS

PUD Mission: Providing reliable, efficient, safe and low-cost utility services in a financially and environmentally responsible manner.

DOUG NASS

From the General Manager

Dear Customers,

Happy Spring! I don't think I'm the only one who has been anxiously biding my time through the dull COVID winter period leading up to Spring. More than any other year, our opportunity to be outside comfortably is something to be celebrated as a means to look forward to a hopefully normal year by summer and to socialize with friends and family.

While 2020 set us back on completing certain projects, as it did for many, we are preparing for our project season once again. We have substation and transmission line projects that will help with redundancies on our system in the case of outages. The Bonneville Power Administration (BPA) has also been hard at work with danger tree removal as part of their regular maintenance on their system (see pages 4-5 for full story) to mitigate outages in Clallam County.

With so many working from home, or otherwise unable to get out in the community as much as they would normally, there is much work that goes unseen by the general population. When we receive customer questions, we seek to bring you the answers and to spotlight the work being done that you may not be aware of. There is much to be proud about your PUD, and it is your PUD!

While we are immersed in the business of the District, we want to make sure you are also informed. If there are topics you would like to hear more about, or questions about activity you see, please email us at info@clallampud.net and it could be the subject of a future HotLine article!

Thank you for your support and be safe,

Doug Nass,
General Manager

Contact PUD

PO Box 1000
Carlsborg, WA 98324
360-452-9771
Toll-free: (800) 542-7859
info@clallampud.net
www.clallampud.net

Fuel Mix

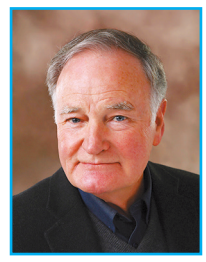
Your PUD's electricity comes from the following fuel mix: Updated for 2019:

Hydroelectric	83.31%
Nuclear	11.35%
Unspeciified Resources*	5.34%
Natural Gas	0.01%
Coal	0.00%
Petroleum	0.00%
Solar	0.00%
Wind	0.00%
Other Generation	0.00%
Total	100%

**BPA Market Purchases*

Commissioners

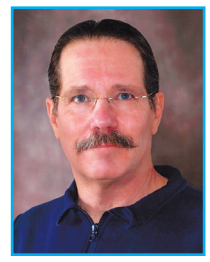
Clallam County Public Utility District #1 is directed by a three-member board of commissioners elected by the citizens of the county. Our Board holds public meetings the 2nd and 4th Mondays monthly at 1:30 p.m. at our Carlsborg Main Office.



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.

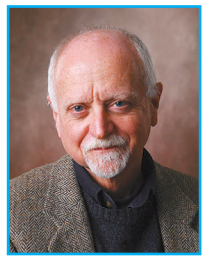
wepurser@clallampud.net • 360-565-3512



Rick Paschall
Vice President, District #2

Commissioner Paschall was elected to the 2nd PUD District on November 3rd, 2020 to serve a short term from December 1st through December 31st, and then taking a second oath of office to begin his full 6-year term on January 1, 2021. He has over 30-years of electric utility experience in the Pacific Northwest. With experience including power supply, compliance, utility management, and participation in regional utility workshops, forums, and conferences, Commissioner Paschall brings a robust portfolio of knowledge to the District. For twenty years, he provided technical expertise for public power general managers at the Pacific Northwest Generating Cooperative (PNGC) and served for ten years as Vice-Chair of the Western States Power Pool, four years as Steering Committee member of the Western Interconnection Compliance Forum He holds an MS in Economics, and BS in Mathematics. Commissioner Paschall resides in Port Angeles with his wife, Connie, and rescue dog, Henry.

rpaschall@clallampud.net • 360-565-3528



Jim Waddell
Secretary, District #3

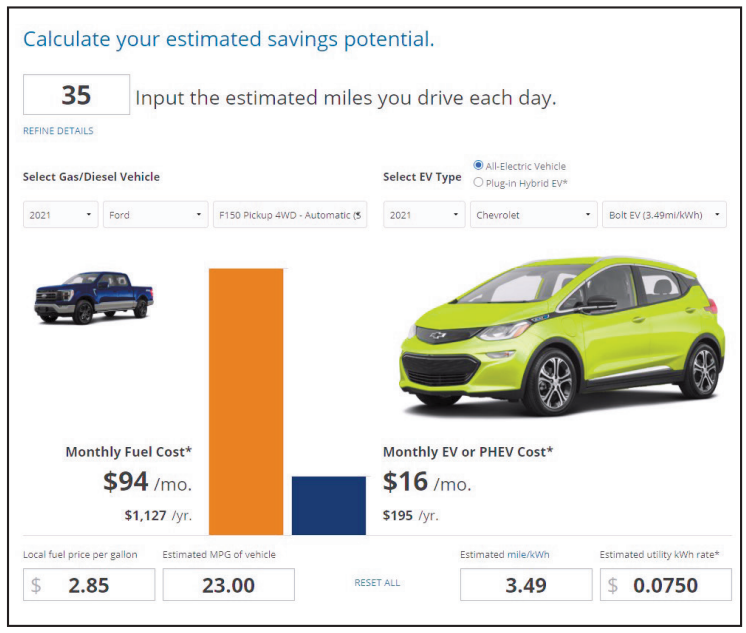
Jim Waddell is a Civil Engineer who is retired from a 35-year public service career with the U.S. Army Corps of Engineers. For over twenty years of that career he has been a leader in developing the policies and practice of Sustainable Development. He also served with the Environmental Protection Agency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

jwaddell@clallampud.net • 360-565-3521

Clallam PUD - Helping You Decipher the Expanding World of Electric Vehicles!

Electric vehicles (EVs) are rapidly becoming a standard choice for new and used car buyers. Nearly every major vehicle manufacturer is offering electric options in 2021. Some models may not be available in all areas yet, but distribution continues to expand. We've recently updated our suite of tools on our website that will help you understand how much it costs to charge an EV, what models are available, and what incentives you may qualify for.

Today's electric vehicles typically come in two forms – All-electric vehicles (EV), that run 100% on electricity and plug-in hybrid electric vehicles (PHEV), that run on electricity but also have a gas-powered engine that can be used for extended trips. On our website you'll find a current directory of EV and PHEV models to help you review price, range-per-charge, efficiency, styles, available incentives and public charging information. We've also included FAQs, information about the key benefits of EV ownership, and calculators that help you understand what kind of savings you can expect, based on our local electric rates.



Use this calculator on our website to estimate how much you might save when you use an electric vehicle for your commute.)

Incentives are Available: There is a Federal Tax Credit available for vehicles and charging equipment. Additionally, there is a Washington State sales tax exemption program.

Save money: in most cases, operating an electric vehicle costs considerably less than a gas-powered vehicle. Visit our site to see how much you might save when you switch your car to an EV.

Convenience: EVs can be charged at home; imagine never going to the gas station again. All-electric EVs don't require oil changes either!

Environmental: All-electric EVs have no tailpipe! The fuel sources that are used to generate Clallam County PUD's electricity are over 94% carbon-free, so you're helping reduce pollution in our community when you switch to an EV.

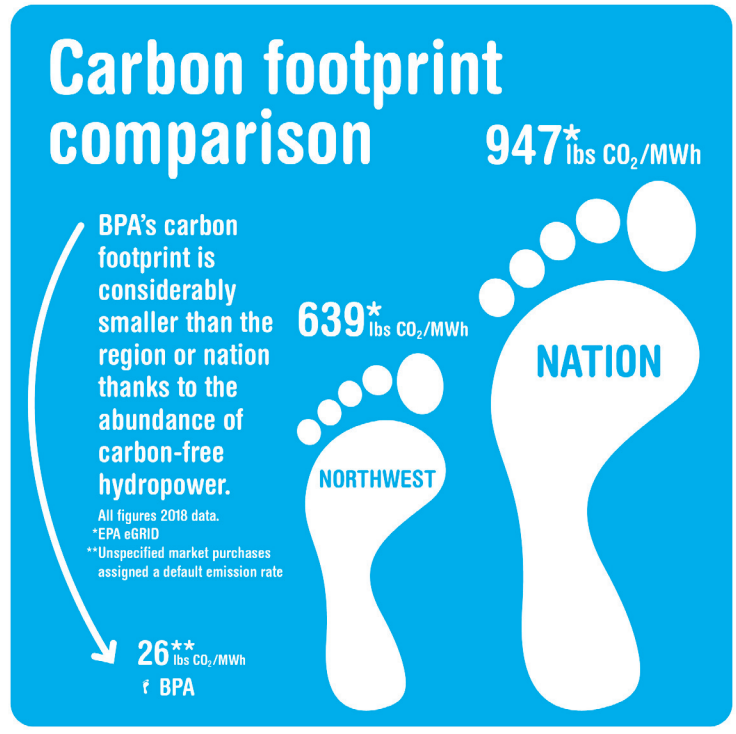
Performance: EVs have tremendous torque and acceleration. They typically have a very responsive feel and are fun to drive!

Please visit our website at
www.clallampud.net/electric-vehicles/
to learn more!

Clallam PUD's new 2020 Chevy Bolt EV

All those trips to work or to the grocery store add up!

- A roundtrip from Sequim to Port Angeles is around 35 miles.
- A round trip from Joyce to Port Angeles is around 35 miles.
- A round trip from Forks to Clallam Bay is around 60 miles.
- A round trip from Neah Bay to Port Angeles is around 160 miles.
- A round trip from Forks to Port Angeles is around 110 miles.
- A round trip from Blyn to Port Angeles is around 50 miles.
- A round trip from Neah Bay to Forks is around 100 miles.



Danger Tree Mitigation and Outages

In January, PUD staff met with Bonneville Power Administration staff to learn more about their outage response processes and mitigation efforts to reduce the impact of potential danger trees. The meeting was prompted by recent tree-related outages and customer inquiries about the outage response on the western segment of the BPA transmission line.

That segment of the BPA transmission line originates at the Port Angeles substation and extends west to Sappho. In times of an outage there is no way to redirect or reroute power to the residents west of Port Angeles and as such they are subject to waiting for the outage to be restored. This prompts questions such as "Why doesn't BPA have a crew here?" and "Why can't Clallam PUD crews work on BPA's lines?"

First, it can take some time for a BPA or PUD crew to arrive at the site of an outage, depending on how remote the location is. Crews have to be dispatched, arrive at their warehouse to get their equipment and vehicles and then head out to where somebody may or may not have reported a sighting of a branch or tree in the line. If no one has provided any information, crews have a general idea of the location of the issue causing the outage from BPA's Dispatch Center, but this still often requires patrolling the line in dark and often stormy conditions, while safety remains a priority. If it is a significant storm and trees can be heard falling in the vicinity, or if wind velocity presents a risk of toppling lift equipment, the crews may have to suspend work until safer conditions are present.

For our region, BPA dispatches line crews out of Olympia, the closest location to Port Angeles (and the Clallam PUD service territory) Depending on weather condition travel time can take 2-3 hours for them to arrive onsite. For customers, this can be a long wait and may seem unacceptable, but we must remember it can take our own crews over an hour to arrive at remote areas. It is also not practical to try to pre-position a BPA crew up here in anticipation of a storm system much less on a permanent basis for events that normally occur 2 or 3 times a year. BPA transmission line crews out of Olympia may have to respond to similar storm damage in other areas of their district that extends further east and south. As we well know, weather forecasting is not a precise science and can be highly unpredictable for our region and if BPA sent a crew here and the storm system either shifted to or also hit the southern Washington coast, then it could mean 5 or 6 hour transit for BPA to the point of damage. It is simply most practical and economical to centrally locate crews with respect to the entire region served.

As for why we (Clallam PUD utility workers) cannot work on (BPA's) their system, this is a safety issue and is covered by both State and Federal (OSHA) law. When any utility provides crews to assist other utilities in mutual aid circumstances, there are extensive and time consuming mandatory safety briefings that must cover specific technical information and current status that only the system owner could be aware of. Additionally, our crews are usually working on storm damage to the PUD electric system and it would not be effective for PUD crews to be sidelined

SmartHub Quick Facts

- SmartHub is FREE and lets you manage all aspects of your utility account 24/7 online or with your mobile device.
- View all your accounts on one screen, so you can manage multiple properties at once and even pay all with a single payment.
- Provides current and historical billing information and payment history, along with weather data to help you better understand your usage.
- Go green! Sign up for Paperless Billing and Auto Pay.
- Receive email and text notifications about activity on your account.
- Do more without the need to call an office to service your account, pay your bill, update mailing information, or report service issues.
- Report outages and monitor your service status.

Scan the QR code for your device, or search for "SmartHub app" to download the free app!

smart hub

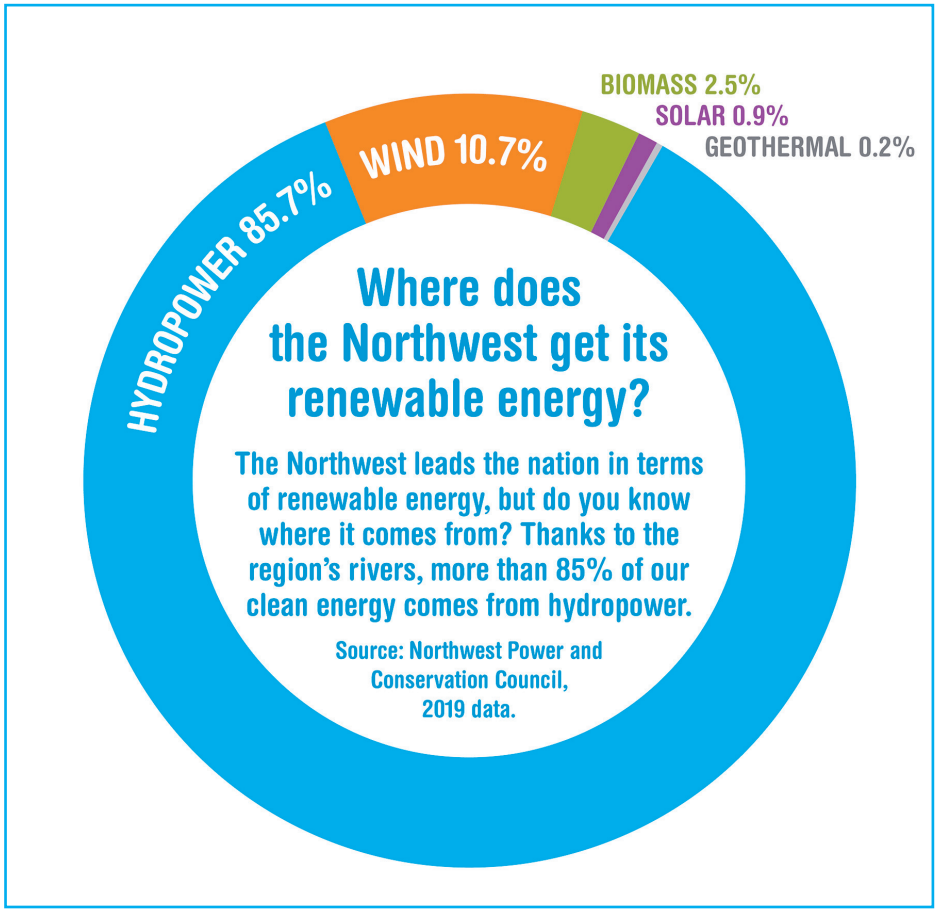
to receive up to two hours in mandatory briefings and make other preparation to repair BPA lines when by the time the major work commences, the BPA crew may have arrived. What the PUD does do to reduce BPA outage time is to help patrol the BPA lines so that we can pinpoint the location and convey that information to BPA and therefore reduce essential response time. This patrolling activity can easily take more than two hours and be accomplished while the BPA crew is en route. Unfortunately, there may be more than one downed tree in the line, as was the case in our most recent BPA outage where 3 separate trees hit the 42 mile long line at widely separated locations.

So, about those trees? Another comment we hear is that customers don't "see" that anything is being done about the trees. Both BPA and the District have a regular maintenance circuit to identify and remove danger trees in our rights-of-way (ROW). The biggest threat to both BPA's system as well as the District's, is adverse weather, and the failure of off-ROW danger trees coming into contact with the transmission line. BPA has a three-year maintenance cycle. In 2020 they removed more than 200 trees of the 1,200 that were planned prior to the contracting shutdown that occurred as a result of COVID. They recently completed the removal of an additional 1,000 trees that were designated to be removed this year. Clallam PUD initially had a 5-year maintenance plan, but with the addition of a dedicated vegetation management crew in the West End, plans to also be able to achieve a 3-year cycle in the future.

To help with public education, we invited a Peninsula Daily News reporter to join us on a trip out to a field work site where BPA contract crews were removing previously identified trees threatening to fall into the line. That article can be found here: **https://www.peninsuladailynews.com/news/bpa-takes-out-danger-trees/**

Ironically, while we attempted to make the trek up to a representative remote danger tree, with sweeping scenic views and a prime example of an area impacted by a fungus that causes root rot, the forest service road was snowed in and the fleet of large 4WD trucks couldn't get through. So while we doubled back to Port Angeles and an easily accessible danger tree to remove, the conversation turned to what happens during an outage if BPA's trucks encountered such a scenario. They responded that a CAT would have to be brought in, adding another layer of time and complexity to restoration. Once we arrived at the work site, it took BPA's contract tree crew about an hour to fully limb and cut down the offending danger tree. Now multiply that by 1,200 and it becomes apparent what a time-consuming and labor-intensive process this is.

We cannot stress enough the importance for those customers living in remote areas, especially west of Port Angeles, that you be prepared and have a plan for power outages. We hope that this bit of insight helps provide a clearer picture of the ongoing work that is occurring behind the scenes to mitigate extended outages.



Welcome to the Comfort Ready Home

By Mattias Järvegren
Utility Services Supervisor

Comfort Ready Home is a partnership between utilities and the Bonneville Power Administration that helps communities become more energy efficient, healthier, and more comfortable through home weatherization, HVAC and water-heating upgrades. The program is a multi-pronged effort to increase homeowner awareness of the benefits of weatherization, recruit more contractors to do weatherization work, as well as to help educate contractors on recommended practices and how to achieve successful long-term results. While the regional program is still just getting started, those who are interested can go to the website **www.ComfortReadyHome.com** and look at the homeowner resources that are being slowly rolled out.

Weatherization is still the best bang for your buck

Making your home more energy efficient is a gift that keeps on giving. Today, consumers have more access to energy saving technology, such as efficient appliances, solar programs and smart thermostats, than ever before. But research shows that one of the greatest ways to help people use less energy is investing in basic home weatherization measures, such as adding insulation, upgrading windows and sealing ductwork. Weatherization upgrades also make a home more comfortable and less drafty while helping to reduce heating and cooling costs.

While we're moving into spring when the weather warms up and we won't have to worry as much about keeping our homes warm, now is a good time to look around your house and make a plan for future upgrades so that you are ready before we move into the next heating season at the end of next fall.

Insulation / Air Sealing

Insulation perhaps doesn't sound very exciting, but it is the very foundation of a comfortable and energy efficient home. You need warm clothes to stay warm in the winter and so does your house. The only difference is that the warm 'clothes' for your house is called insulation, and it is the most effective way to stay warm and eliminating energy waste.

If you go into the attic and you can see the ceiling joists you know you don't have enough, because a ceiling joist is at most 10 or 11 inches and you should have more insulation that that. The same goes for your floor insulation. There should be thick insulating batts in between your floor joists, and with a digital camera it's easy to check your floor insulation levels. Just make sure the flash is on, and reach your arm down and take a picture of the underfloor.

Air sealing is also very important. Effective air sealing blocks uncontrolled air flow into your home that can undermine even the most high-performance insulation systems. This will leave you with a quieter, more comfortable home that wastes less energy and lasts longer. If you're having your home re-insulated, now is a great time to also make sure that the home is air tight and leaks are sealed.

Ductless Heat Pumps

Ductless heat pumps use up to 50% less energy than electric resistance heating like furnaces and baseboard and wall heaters. Plus, ductless heat pumps also provide cooling, meaning a single system can deliver year-round comfort for your home.

Heat pumps heat and cool more efficiently because they transfer heat instead of creating it. This process requires significantly less energy. Ductless heat pumps use this principle to extract and concentrate heat from outdoor air. That conditioned air is delivered inside the home using refrigerant lines connected to one or more indoor "heads," which distribute the air throughout the home.

Ductless heat pumps can replace or supplement your home's existing electric heating and cooling system. Compared to a full centrally-ducted system installation, ductless heat pumps are relatively easy to install and pay for themselves in savings over time.

Heat Pump Water Heaters

Traditional electric resistance water heaters account for nearly 20% of the energy used by an average home — more than the refrigerator, dishwasher, clothes washer and dryer combined.

However, an energy-efficient option exists. Heat pump water heaters, also known as hybrid water heaters, use heat pump technology to transfer heat from the surrounding air to water in the tank. This uses as little as one-third of the energy consumed by standard electric water heaters, which generate heat to produce hot water.

Efficiency isn't the only thing heat pump water heaters have going for them. They are also capable of providing more hot water per hour than similarly sized standard electric water heaters, and they come with a 10-year warranty. Based on average home usage, the increased efficiency can save you up to $3,600 on your utility bills over the heat pump water heater's lifetime compared to a conventional electric unit.

Windows

In older homes, windows and patio doors tend to be single-paned and uninsulated with deteriorating or minimal weather stripping. Even double paned windows with metal frames aren't all of that efficient. Metal is a great conductor of heat energy, and hence that metal frame on your double paned widow provides an easy path for heat to escape your home. Along with uninsulated doors, these can contribute to air leakage and energy loss.

High-performance windows and insulated doors offer energy savings, thanks to energy-efficient technology, as well as protection from water and drafts. All of this means increased comfort in your home and smaller energy bills for years to come. Of course, it's important to keep in mind that they windows are still a fairly small percentage of the overall shell of your home, and hence

The payback period for windows and patio doors is typically over 20 years, but this does not take into account the reduced risk of water damage caused by window leaks, a more comfortable home, nor the increased curb appeal for resale value.

Learn more about these topics on the Comfort Ready Home website or if you have any questions regarding this article or if you would like to discuss any other energy saving opportunities, please don't hesitate to contact us. We work for you and you can reach us via the web, www.ClallamPUD.net, email, Utility.Services.Info@ClallamPUD.net and phone, (360) 565-3249.

CLALLAM COUNTY PUD #1

Bringing Energy To Life™

Neighborly Assistance Program Helps Your Neighbors In Need

Did you know that Clallam PUD has a program where you can help assist others with their electric bills? It's called our Neighborly Assistance program. You can make a one-time or recurring contribution to a fund that assists qualified low-income residential customers. You can even simply round up your bill to the next dollar! Find out more or print the enrollment card below and return to us with your contribution. Your community thanks you!

https://clallampud.net/neighborly-assistance/

Neighborly 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.:_____

Address:_____ Phone No.:_____

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.

☐ Please round up my bill to the next dollar and contribute the excess.

☐ I prefer a one-time contribution of $_____

I want my contribution to go to (check one):

____ to Olympic Community Action Programs

____ to Port Angeles St. Vincent de Paul

____ to Sequim Community Aid

____ to Sequim St. Vincent de Paul

Signature:_____Date:_____

Save Energy With A Heat Pump Water Heater!

Heat Pump Water Heaters use electricity to move heat from one place to another instead of generating heat directly, like a refrigerator running in reverse. While a refrigerator pulls heat from its interior and exhausts that heat into the surrounding room, a heat pump water heater pulls heat from the surrounding air and transfers it into the tank to heat the water.

Quick Facts:

- Hot water accounts for 15-20% of electric energy use.
- Save up to 60% on your electric water-heating costs.
- New or existing construction qualify for rebates.
- Easily replaces existing tanks in most cases.
- Rebates range from $300.00 to $600.00.

Participating Installers:

Angeles Plumbing
917 W. 8th St.
Port Angeles, WA 98363
360-452-8525
admin.angelesplumbing@olypen.com

H2O Plumbing Contractors, Inc.
216 Center Parkway
Sequim, WA 98382
360-681-0379
www.h2oplumbing.com

Jamie Parrish Plumbing
PO Box 1810
Sequim, WA 98382
360-504-2347
www.jamieparrishplumbing.com

Questions? Call us at 360-565-3249

https://clallampud.net/water-heater-rebates/