



**Jefferson County**  
**Public Utility District**

# 3<sup>rd</sup> Quarter Review

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Kevin Streett, General Manager

August 5, 2019



# Summer Interns

## Emmett Erickson

- Working on water crew.
- Graduated from Port Townsend High School
- Attending Hamilton College

## Evan Mickelson

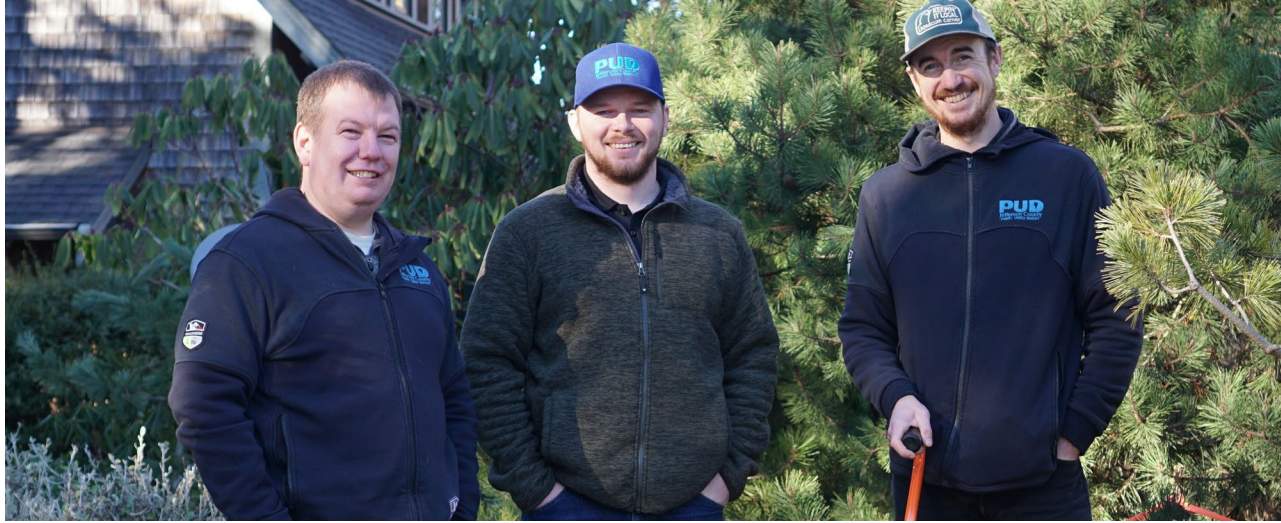
- Working with Engineering Group
- Family lives on Coyle
- Attending University of Washington

## Seth Richey

- Working with the Finance Dept.
- Graduated from Chimacum High
- Attending BYU Hawaii



# Jimmy Scarborough, Senior Electrical Engineer



## Engineering is on the Move

- The Engineering Department has moved to the Annex Office located at 211 Chimacum Rd in Port Hadlock.
- Office hours will remain Monday through Friday 1:30-4:30PM.

## New Hires

- The PUD has hired one new lineman, September 3 start.
- The GIS Specialist position is open, we expect to fill this position shortly. 44 applications received.

## Substation Transformer Purchase

- Virginia Transformer Corporation was selected for the purchase of one 12/16/20 MVA substation transformer.
- The bid amount was \$458,061.60, which is under the \$550,000 budget amount.
- Contracts have been signed and executed.
- Expected delivery is early December 2019.
- This transformer is planned to replace the aging transformer at the Port Ludlow Substation.

## Proposed 2020 Projects and Estimated Cost

- Complete Water Street: \$220,000
- New Feeders out of Irondale Substation Bay 2: \$225,000
- New Underground on Discovery Rd from Roundabout to Salish School: \$175,000
- Convert Olele Point Road underground: \$425,000
- Port Ludlow Substation Bay 2 Engineering and Preliminary Construction: \$310,000



## Swansonville Feeder

- Approximately 9,000 feet underground along Swansonville Road
- 2,750 feet of cable and conduit with vaults installed in 2018
- A second section of 1,400 feet of conduit and vaults has been scheduled to be installed this fall.
- Replacement of full length of feeder cable expected within four years.

## Kilisut Harbor Bridge

- Salmon Coalition & WSDOT are installing a bridge from Indian Island to Marrowstone Island.
- Bridge construction starts August 5, 2019 and is expected to be completed in 320 working days.
- The PUD has completed the temporary power and water line construction.
- In 2020 after completion of the new bridge the PUD will construct the permanent line to be attached to the bridge, the timeframe is expected to be April-May.
- Estimated 2020 budget for the permanent power line is estimated at \$310,000
- PUD staff designed the relocation in-house, but work will be completed by a contractor.
- Per franchise agreement with WSDOT, the work is to be done with PUD funds.

# Jimmy Scarborough, Senior Electrical Engineer





# Colton Worley, SCADA Substations Projects



Port Ludlow Substation

Installed New Voltage Regulators  
Routine Maintenance

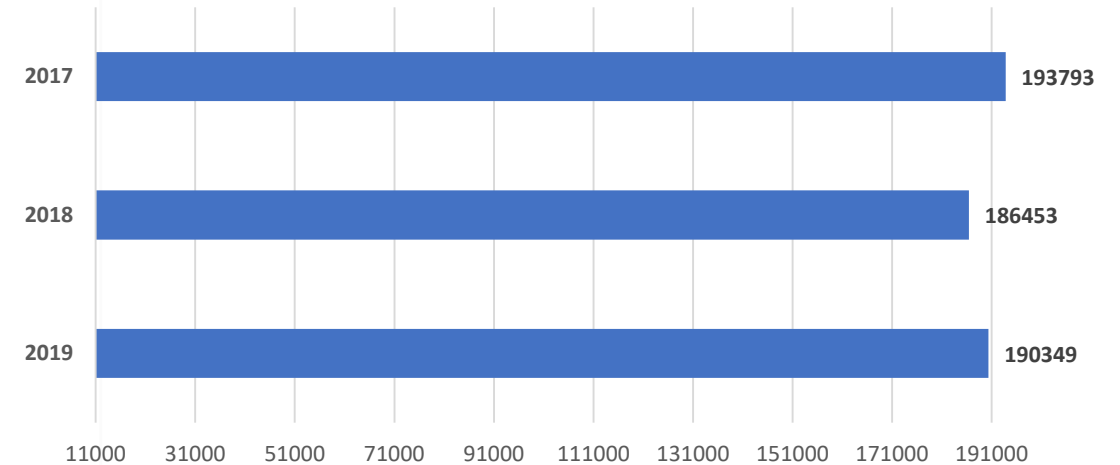


New Fiber Building

Increase Reliability Improve Bandwidth



January to June Electric Loads in MWh



MWh up 2% compared to 2018

MWh down 2% compared to 2017



# Lori Rae, Operations Assistant

## Projects 2019:

- Broadband Completed: 3 Consumer
- Broadband Pending – 3 Consumer Connections
- Downtown Fiber Grant- Contractor started pulling fiber.
- Chimacum Creek Rebuild is completed \$246,768.05.

## 2nd Qtr Work orders

Electric -117                      Broadband- 8  
Water -27                         Scada/ Telecom- 2

## 2nd Qtr Aid Received

\$186,227.86 – Electric  
\$76,476.17 – Water  
\$1,670.00 - Broadband

2020 Fiber Budget            \$252,000.00



Number	Loan Project	Estimate
1201	Fiber Extension - Center Rd & Beaver Valley to 104 Interchange	\$115,000.00



# ***NEW:*** Electric Safety Training for First Responders and Public Works Crews

## **Completed:**

- 3 sessions with EFJR
- 1 with City of PT Public Works

## **Upcoming:**

- DNR

“On behalf of East Jefferson Fire Rescue, I would like to thank you for you and your PUD personnel for presenting very informative and interactive training sessions for our crews.

It is great to see the proactive approach from your organization helping our personnel understand the awareness and operations of the PUD when it comes to managing emergency incidents. The training is invaluable and the professionalism and knowledge of your personnel was exceptional.”

Pete Brummel, Assistant Chief EFJR

# **Lori Rae, Operations Assistant**



# Bill Graham, Water Supervisor



Project	Progress	Cost	Timeline
Snow Creek Well Treatment Plant & Well House	Working with HDR Engineering on final details prior to construction.	\$150,000	4 <sup>th</sup> Qtr
Hydrant Replacement	Ongoing	\$30,000	ongoing
Quilcene Water Tank Replacement (PIF grant totals \$261,000)	\$106K PIF money. Eng. and design scope includes school intertie	\$155,000	4 <sup>th</sup> Qtr
Eagle Ridge Booster pump replacement	Finished in April	\$40,000	Complete
Bywater SCADA	Scheduled to join with H2O SCADA in June	\$20,000	Complete
Bywater System Improvement – Reynolds well pumphouse and treatment*	Waiting for water sample results. Depending on results, well could be on line in 3-4 weeks	\$30,000	4 <sup>th</sup> Qtr
Kilisut Harbor Bridge (temporary 4 inch water main relocate)*	SR116 water franchise amendment pending. Permanent line install 2020	\$73,000 (Permanent line cost TBD)	4 <sup>th</sup> Qtr
Gardiner well replacement*	Submitted/received notice of intent in March	\$50,000 est.	3 <sup>rd</sup> Qtr 2020

**WATER CAPITAL PROJECTS**

**\$548 K**

\* Not in 2019 Budget

3rd Quarter Projects Review

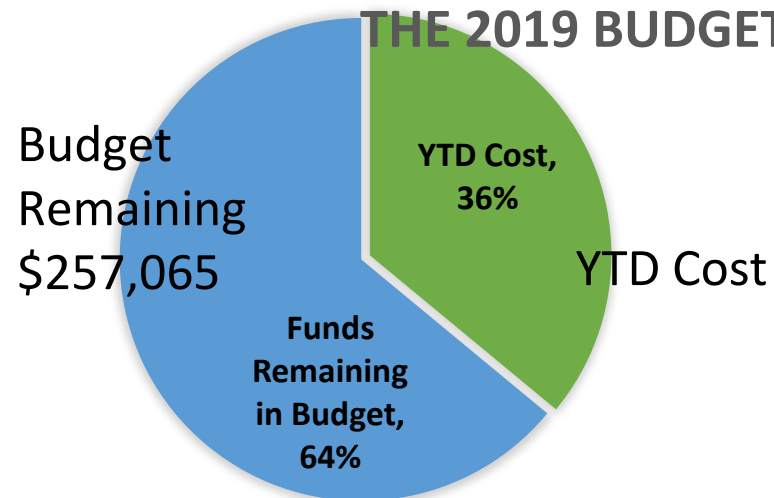


# Water Utility 2020 Capital Work Plan

Description	Budget Amount	Priority
Quimper - SCADA replacement	\$15,000.00	High
Coyle - Transmission Line Replacement	\$45,000.00	Medium
Bywater Bay - Shine Plat LUD - Distribution Replacement	\$200,000.00	High
Light plant	\$6,000.00	High
Quilcene -SO2 development	\$50,000.00	Medium
Quilcene - reservoir	\$150,000.00	High
Gardiner Replacement Well	\$60,000.00	Medium
Gardiner - Water line replacement	\$35,000.00	Low
Triton Cove - Williams Addition wellhouse	\$50,000.00	Medium
Fleet - New truck	\$52,000.00	Medium
Dataloggers	\$30,000.00	Medium
Quimper - Kilisut Harbor Bridge (tentative)	\$160,000.00	High
<b>Totals</b>	<b>\$853,000.00</b>	



## YTD LOW INCOME PROGRAM COST AS A PERCENTAGE OF THE 2019 BUDGET



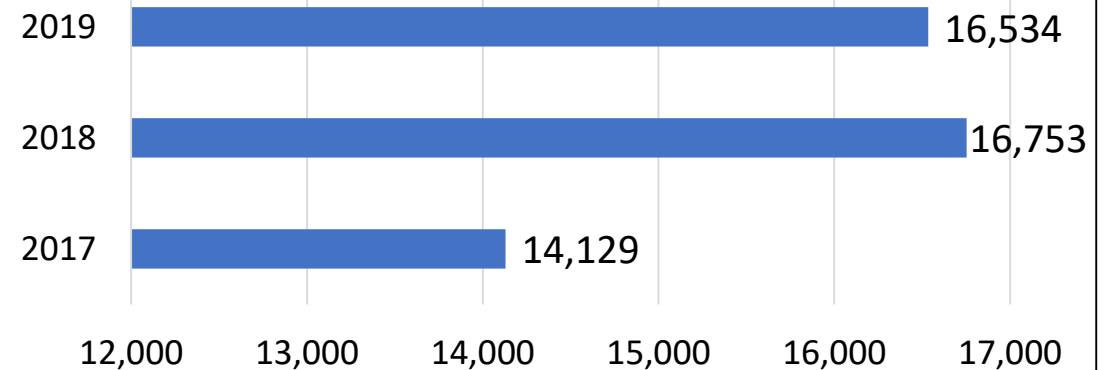
# Jean Hall, Customer Service Manager

444  
Active Customers  
Participating in  
Round-Up

## Second Quarter Low-Income Rate Reduction Participation

	2017	2018	2019
Electric	522	629	575
Water	122	139	117
Sewer	1	3	5

## Year to Date Rainy Day Donations



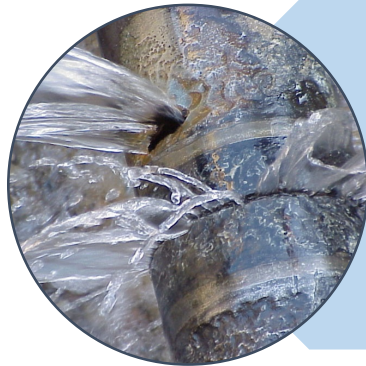


# Jean Hall, Customer Service Manager



## iVUE Mosaic – Data is the key

- Build tailored reports
- Portals allow you to view multiple report groups
- A great tool that will enable staff to share data



## Water Leak Adjustment Policy

- Clearly communicate the process and qualification criteria to PUD Customers & Staff
- Implement requirement for proof of leak repair

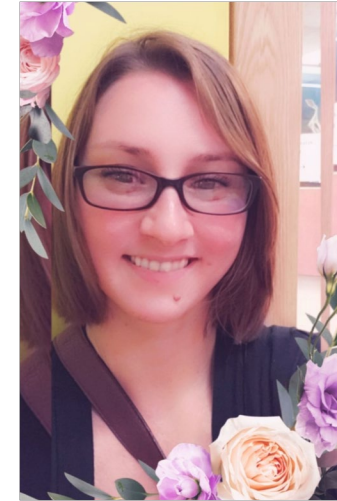


## Managing & Leading Change in Your Organization

- Managing process vs. leading people
- Using and improving emotional intelligence skills
- Embrace change, promote a culture of change
- Comfort breeds complacency

3rd Quarter Projects Review

## Staffing Update: 2 New Customer Service Representatives Hired



Amanda Isaak



Dawn Crocker

## To Hire: Customer Service Program Specialist

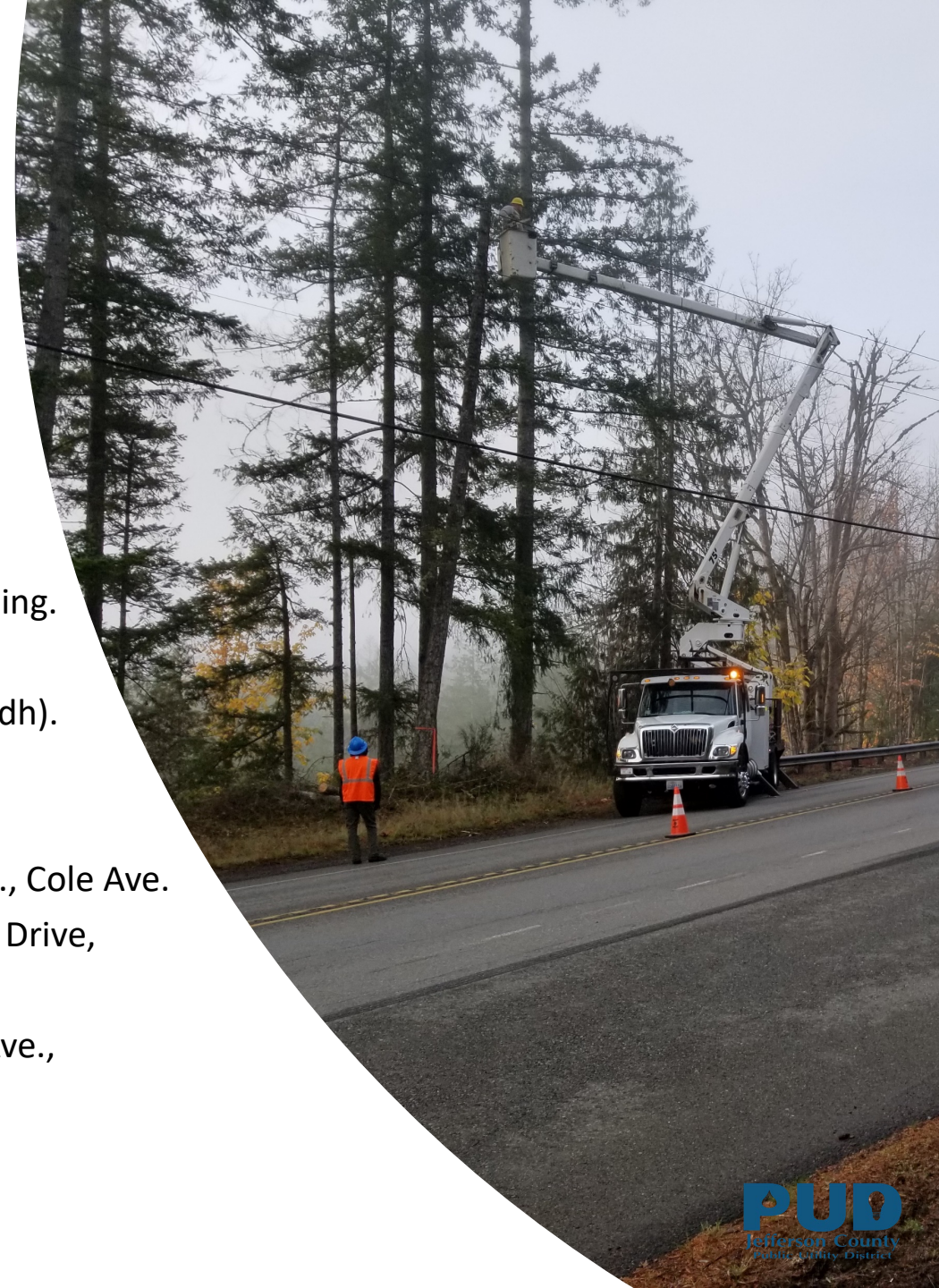
The Person chosen for this position will manage the day to day of the PUD's Low-Income Rate Reduction Program

# Scott Bancroft, Special Projects Coordinator

## Vegetation Management Report

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- **Contract Tree Trimming:**
- North of Quilcene Bid complete.
- Crocker Lake Bid is near complete. One span at Bolton Farm + 6 poles need trimming.
- New Contract- S. Discovery (Asplundh). Start date of August 19, 2019
- New Contract- Snow Creek/Leland E/ Walch Ranch Tree Trimming Project (Asplundh).
- New Contract- Lords Lake/ Leland Valley Tree Trimming Project (Kemp-West).
- **Completed Time and Materials:**
- Cape George Highlands- Magnolia Ave., Johnson Ave., Saddle Drive., Maxwell Ave., Cole Ave.
- Cape George Colony- Dennis Blvd., Maple Drive, Pine Drive, Ridge Drive, S Palmer Drive,
- Cape George Drive, Victoria Loop.
- Kala Point- South and North Duquesne Ave., South and North Gary Ave., Wilson Ave.,
- Island View Ave., Law Ave. Beattie Ave.
- Port Townsend- N Street, O Street, M Street.





## Tree Trimming Continued

- Marrowstone Island- E Marrowstone Road, Park Drive, SR 116 MP 5 to MP 8.5.
- Discovery Bay- Store Road, Highway 20 short section, 282224 Discovery Bay.
- Port Hadlock- Cedar Avenue, South 7<sup>th</sup>, Frayne Street, Kem Street, Foster Street, May Street, Cora Street, Patison Street.

## Danger Trees:

Jefferson County Park in Chimacum, Rhody Drive, O Street, Disney Road, Fort Gate Road, E Marrowstone, Oak Bay Road, S. Discovery Road, Cemetery Road (Quilcene).

## Tree Trimming Budget:

As of August 1, 2019 the tree trimming budget remaining for 2019 is \$6347.95

## Overhead to Underground Conversions:

936 Washington Street  
930 Washington Street  
922 Water Street  
936 Water Street  
940 Water Street  
955 Water Street  
1001 Water Street  
929 Water Street  
1004 Water Street  
923 Washington Street

## Completed Special Projects:

Water Street Road Crossing  
DSHS Underground Electrical Relocate.  
South Discovery electrical relocation.  
Kilisut Harbor electrical relocation.  
Chimacum Creek undergrounding.  
Utility Prep for 210 Four Corners Modular.

## Special Projects Report Cont.



## Special Projects Report continued.

### **New Projects:**

Howard Street Conduit and Vault Installation Project (Shold Excavating). Start date TBD

Swansonville Conduit and Vault Install Project Phase 2. (Landmark Excavating). Start date, tentatively August 26, 2019.

Temporary Modular at 210 Four Corners Road extend parking lot beginning week of July 22, 2019.

### **Easements/ Permits:**

Acquired three easements from the Port of Port Townsend.

Acquired six City of Port Townsend permits for various new projects.

Acquired two Jefferson County Public Works utility permits.

### **Bids Sent Out:**

Howard Street Conduit/Vault Installation. (Shold Excavating)

Swansonville Road Conduit and Vault Install Phase 2. (Landmark Excavating)

Lords Lake/ Leland Valley West Tree Trimming. (Kemp West)

Snow Creek Leland E/ Walch Ranch Tree Trimming. (Asplundh)

S Discovery Tree Trimming. (Asplundh)





## WEBSITE IMPROVEMENTS

- Moved hosting from Onepath to Bluehost
- Improved mobile compatibility (ongoing)
- Improved loading speed across the website
- Copied Media Archive Files to AWS
- Designed and Launched new Enhanced Audio Player

## EVENTS

- Summer: Old School 4<sup>th</sup> of July, Hadlock Block Party,
- Jeff Co Fair, All County Picnic, Quilcene Fair

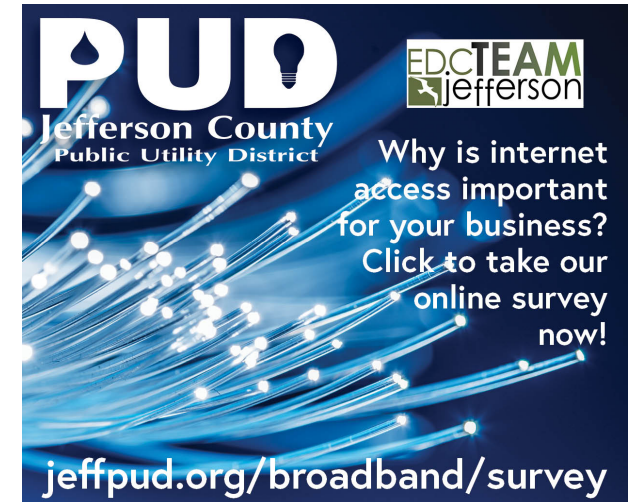
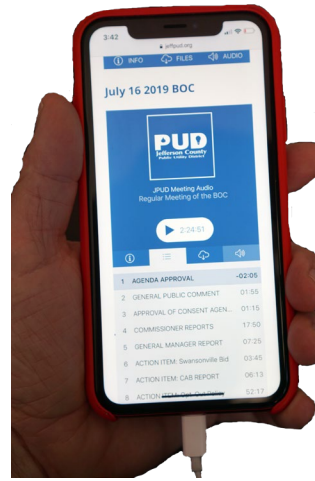
## NWPPA COVER STORY

- Profile of JPUD and Downtown Project was June cover story. Took most of photos and co-designed the cover.
- Planning for an article about Broadband Strategic Planning for late 2019
- Will Attend APPA conference in October and hope to place an article with them in 2020
- Will look for additional trade publications to place articles in 2020

## BROADBAND STRATEGIC PLANNING

- Survey launched, promoted, and concluded
- Attended JBAT meetings
- Arranged for interviews with local utilities, stakeholders
- Working diligently towards a final plan in September
- Would like to schedule presentations in the fall

# Will O'Donnell, Communications Manager



# ENERGY EFFICIENCY SUPPORT RFP

- Attended NEEA conference
- Met with potential contractors
- Launched RFP, reviewed submission, chose contractor

## MONTHLY NEWSLETTER

- Increased text spacing, reduced “tightness”
- Delivered to over 15,000 homes, more than PDN & Leader combined

## IN DEVELOPMENT: Welcome Packet

- Updated old design with new format, info, and pictures
- Ready to print, but waiting to complete program rack cards

## Bill Redesign

- Make better use of back of bill, promote more programs
  - Make info easier to read and understand

## Email Subscription Newsletter

- New digital, dynamic format
- Better format for Paperless customers (which we need to grow)

## ANNUAL REPORT

- Year End Summary of Accomplishments, Milestones, Finances
  - To be distributed 1<sup>st</sup> week of March 2020
- Inserted in Paper or mailed to all households in service territory

# Will O'Donnell, Communications Manager

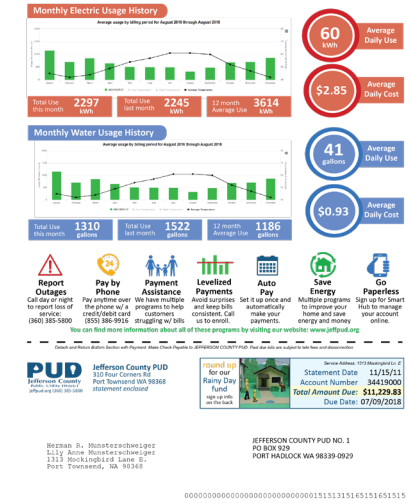
**PUD Jefferson County Public Utility District**  
310 Four Corners Rd  
Port Townsend, WA 98368  
Customer Service Hours: Mon-Fri 9am-4:30pm

**ACCOUNT INFO**  
Account # 888888  
Meter # 888888  
Billing Period: 11/1/11-12/1/11  
Previous Read: 888888  
Current Read: 999999  
KWH Used: 555555  
Basic Fee: 888  
Low Income Credit @ -1070000: (95.50)  
Total Charges: \$129.80

**Usage & Charges**  
Electricity: 888888  
Power sent to grid: KWH 111111  
Net consumed: KWH 555555  
Basic Adjustment: KWH 66  
Billed Balance: KWH 789  
Billed balance resets to zero on Apr. 30 of each year.

**Account Balance Summary**  
Customer Name: Herman R. Munsterschweiger & Lily Anne Munsterschweiger  
Service Address: 1313 Mockingbird Lane E, Port Townsend, WA 98368  
Previous Balance: \$296.50  
Payment Received: (\$218.50)  
Balance Forward: \$78.00  
Late Fees: \$5.00  
Electric: \$5.00  
Water: \$5.00  
Sewer: \$2.36  
City Utility Tax 0%: \$4.45  
Rainy Day Donation: \$179.85  
Total Current Charges: \$129.80  
Budget Balance Payment: \$888.00  
Budget Settlement Amount: \$888.00

**CONTACT INFO UPDATE**  
Use the space below to update any contact info that may have recently changed.  
Name: \_\_\_\_\_  
Street Address: \_\_\_\_\_  
City, State Zip: \_\_\_\_\_  
Email: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Cell Phone: \_\_\_\_\_





# Facility Consolidation, Remodel & Expansion

**Don McDaniel,**  
**Special Advisor to the PUD**

Total Project cost estimate: \$4.4M

2019: \$390,000 Soft Costs

- 2020: \$3,785,000 Construction/Soft Costs
- 2021: \$225,000 Closing Construction Costs

- Design Development – Completed April 2019
- Construction Documents/Bidding Documents July 2019
- Bidding – August 2019
- Pre-Bid Conference – August 15, 2019
- Bid Closes – August 2019
- Contractor Selection Process – September 2019
- Contractor Contract Negotiations – September 2019
- PUD/TCF/Contractor Pre-Construction Meetings – September 2019
- Permits Secured – September 2019
- Construction Begins – October 2019
- Construction Complete - March 2021
- Move In – April 2021
- After Action Reviews – May 2021
- Project Final Close – June 2021



# Second Quarter Accomplishments      Alyson Dean, Purchasing



Before

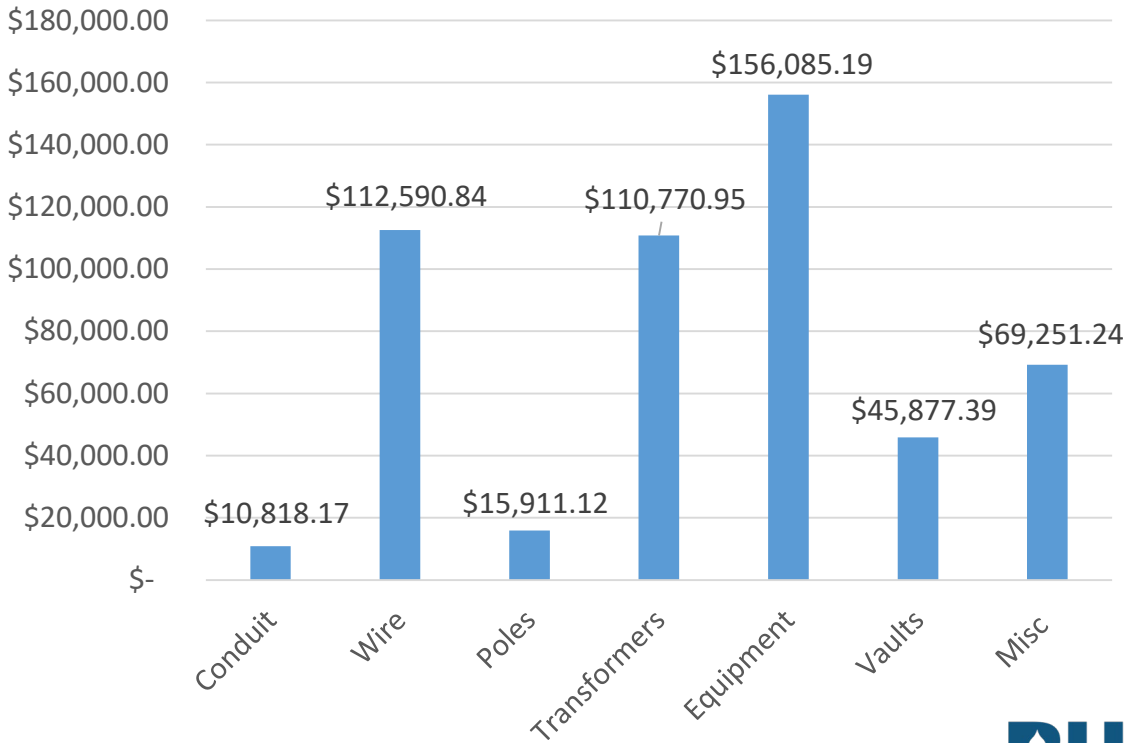
Rack systems have been upgraded for better storage



After

During the second quarter, PUD crews installed a total of \$521,304.90 worth of inventory including:  
8080' of conduit, 42,127' of wire, 18 poles, 45 transformers, 15 pieces of equipment and 61 vaults.

Second Quarter Inventory Charge Outs





# ***Third Quarter Goals***

- The Warehouse will be re-wired and upgraded with LED lighting fixtures.
- Additional rack storage will be added as well as inventory signs in the yard.
  - Continuing yard organization and consolidation in preparation for construction
- The Warehouse staff will be increasing by one person to help with Fleet and Warehouse needs.

## **Alyson Dean, Purchasing**



An Industrial Vending Machine and Locker System will be installed in the Warehouse to stock PPE for 24-hour access

# Mike Bailey, Auditor

## Balance Sheet Highlights Thru June 2019

ELECTRIC DIVISION	
Total Electric Utility Plant	\$175,233,558
Net Electric Utility Plant	\$115,044,601
Cash	\$11,187,167
Materials	\$1,851,463
Total Assets	\$133,744,964
Total Margins and Equities	\$25,411,104
Long-Term Debt	\$101,415,713
Accounts Payable	\$3,147,738
Total Liabilities and Margins	\$133,744,964

WATER DIVISION	
Total Water Utility Plant	\$31,271,150
Net Water Utility Plant	\$19,803,972
Cash	\$8,246,011
Materials	\$18,287
Total Assets	\$31,486,346
Total Margins and Equities	\$22,857,017
Long-Term Debt	\$6,293,667
Notes Payable	\$1,202,423
Total Liabilities and Margins	\$31,486,346



# Mike Bailey, Auditor

## Form 7 Financials Thru June 2019

<b>Operating Revenue--Electric</b>	<b>\$21,244,181</b>
Total Operation & Maintenance Expense	\$12,904,868
Total Cost of Electric Service	\$18,161,212
Margins	\$3,805,259

<b>Operating Revenue--Water</b>	<b>\$1,198,026</b>
Total Operation & Maintenance Expense	\$903,519
Total Cost of Water Service	\$1,449,065
Margins	\$257,417

## 2019 Year End Projections

<b>Operating Revenue--Electric</b>	<b>\$37,602,509</b>
Total Operation & Maintenance Expense	\$24,711,710
Total Cost of Electric Service	\$34,925,055
Margins	\$5,269,772

<b>Operating Revenue--Water</b>	<b>\$2,615,730</b>
Total Operation & Maintenance Expense	\$1,797,016
Total Cost of Water Service	\$2,934,888
Margins	\$427,631

# 4 Year Electrical Work Plan

Item No.	Description	2020	2021	2022	2023	Total	
<b>100 New Line Construction</b>							
<b>101</b>	Construct Underground Distribution line extensions and service runs to serve new customers; Single-Phase and Three-Phase. 50 per year - approximately 3 miles annually.	\$ 400,000	\$ 350,000	\$ 340,000	\$ 340,000	\$ 1,430,000	
<b>102</b>	Construct Overhead Distribution line extensions and service lines to serve new customers; Single-Phase and Three-Phase. 30 per year - approximately 2 miles per year.	\$ 175,000	\$ 135,000	\$ 135,000	\$ 135,000	\$ 580,000	
<b>103</b>	Construction for new Subdivisions. Approximately 1 per year.	\$ 50,000	\$ 50,000	\$ 50,000	\$ 150,000	\$ 300,000	
<b>104</b>	Water Steet Undergrounding	\$ 220,000	\$ 220,000	\$ -	\$ -	\$ 440,000	
<b>New Line Construction :: Annual Totals</b>		<b>\$ 845,000</b>	<b>\$ 755,000</b>	<b>\$ 525,000</b>	<b>\$ 625,000</b>	<b>\$ 2,750,000</b>	



200 New Distribution Main-Line Construction							
202	Underground feeds out of Irondale Bay 2	\$ 225,000	\$ -	\$ -	\$ 100,000	\$ 325,000	
203	New outgoing feed Hastings Substation	\$ 125,000	\$ 220,000	\$ -	\$ -	\$ 345,000	
203-1	New Feed Discovery, School to new roundabout	\$ 175,000	\$ -	\$ -	\$ -	\$ 175,000	
204	New Feeder out of PLSS - Engineering	\$ -	\$ 100,000	\$ -	\$ -	\$ 100,000	
204-1	New Feeder out of PLSS - Construction	\$ -	\$ -	\$ 400,000	\$ -	\$ 400,000	
New Distribution Main-Line Construction :: Annual Totals		\$ 525,000	\$ 320,000	\$ 400,000	\$ 100,000	\$ 1,345,000	
300 Conversion							
301	Convert Single-Phase to Three-Phase	\$ -	\$ -	\$ 200,000	\$ 150,000	\$ 350,000	
302	Convert Single-Phase OH Distribution to UG along Olele Point Road	\$ 425,000	\$ -	\$ -		\$ 425,000	
303	Convert OH Distribution to UG	\$ 350,000	\$ 250,000	\$ 350,000	\$ 380,000	\$ 1,330,000	
304	Kilisut Harbor - Final	\$ 310,000	\$ -	\$ -	\$ -	\$ 310,000	
Distribution-Line Conversion :: Annual Totals		\$ 1,085,000	\$ 250,000	\$ 550,000	\$ 530,000	\$ 2,415,000	
400 New Substations							
401	Port Ludlow Station Bay 2 Engineering	\$ 85,000	\$ -	\$ -	\$ -	\$ 85,000	
401-1	Port Ludlow Bay 2 Construction	\$ 225,000	\$ 175,000	\$ 75,000	\$ -	\$ 475,000	
New Substations :: Annual Totals		\$ 310,000	\$ 175,000	\$ 75,000	\$ -	\$ 560,000	

500 Substation Changes							
501	Replace Aging Substation 15KV Regulators, bypass switches, and Controls at Hastings.	\$ -	\$ 235,000	\$ 135,000	\$ 235,000	\$ 605,000	
502	Irondale Sub: Replace Aging Substation 15KV Regulators, bypass switches, and Controls; Install new regulator rack.	\$ -	\$ 255,000	\$ -	\$ -	\$ 255,000	
503	Replace /install new relays	\$ -	\$ 55,000	\$ 30,000	\$ 120,000	\$ 205,000	
504	Replace Aging Substation Wet-Cell Batteries with Dry-Cell Batteries, and their chargers.	\$ 24,000	\$ 24,000	\$ -	\$ -	\$ 48,000	
505	SCADA System Substation Communications and Devices Upgrades.	\$ 40,000	\$ 40,000	\$ 40,000	\$ 100,000	\$ 220,000	
506	New Feeder Hastings	\$ 175,000	\$ -	\$ -	\$ -	\$ 175,000	
507-1	New 115kV breaker Hastings Engineering	\$ 75,000	\$ -	\$ -	\$ -	\$ 75,000	
507-2	New breaker Hastings	\$ -	\$ 225,000	\$ -	\$ 210,000	\$ 435,000	
508	New Substation Transformer	\$ -	\$ -	\$ 550,000	\$ -	\$ 550,000	
Substation Changes :: Annual Totals		\$ 314,000	\$ 834,000	\$ 755,000	\$ 665,000	\$ 2,568,000	
600 Miscellaneous Distribution Equipment							
601-1	Install new pole-mount Transformers to serve new customers. 10 per year.	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 120,000	
601-2	Install new pad-mount Transformers to serve new customers. 15 per year.	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 160,000	
601-3	Transformer replacement of aging units. 60 per year.	\$ 180,000	\$ 160,000	\$ 120,000	\$ 180,000	\$ 640,000	
602-1	Install/Upgrade meters to serve new/existing customers.	\$ 25,000	\$ 25,000	\$ -	\$ -	\$ 50,000	



600 Miscellaneous Distribution Equipment cont..							
604-1	Install New Three-Phase distribution-line reclosers.	\$ 50,000	\$ 50,000	\$ 50,000	\$ -	\$ 150,000	
605-1	Install new line Regulators	\$ -	\$ -	\$ 75,000	\$ 175,000	\$ 250,000	
605-2	Regulator replacement of aging units.	\$ 50,000	\$ -	\$ 50,000	\$ -	\$ 100,000	
607	Pole Replacements. 30 per year.	\$ 80,000	\$ 80,000	\$ 130,000	\$ 180,000	\$ 470,000	
608	Replace Aging Conductors.	\$ 200,000	\$ 175,000	\$ 150,500	\$ 354,500	\$ 880,000	
608-1	Install single phase 15kv 1/0 distribution line XX miles	\$ 205,000	\$ 200,000	\$ 250,000	\$ 225,000	\$ 880,000	
609	Miscellaneous Replacements	\$ -	\$ -	\$ -	\$ -	\$ -	
610	Wildlife Protection. X sites.	\$ 75,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 150,000	
Miscellaneous Distribution Equipment :: Annual Totals		\$ 935,000	\$ 785,000	\$ 920,500	\$ 1,209,500	\$ 3,850,000	
700 Other Distribution Items							
701	Security and Street Lighting	\$ 20,000	\$ 20,000	\$ 10,000	\$ 20,000	\$ 70,000	
703	SCADA System Distribution Line Devices Communications and Control Upgrades.	\$ 45,000	\$ 25,000	\$ 25,000	\$ 60,000	\$ 155,000	
704	SCADA Communications	\$ 90,000	\$ -	\$ -	\$ 40,000	\$ 130,000	
705	Meters	\$ 35,000	\$ -	\$ -	\$ -	\$ 35,000	
705-1	Meter Replacement Project	\$ 125,000	\$ 1,500,000	\$ 1,500,000	\$ 800,000	\$ 3,925,000	
Other Distribution Items :: Annual Totals		\$ 315,000	\$ 1,545,000	\$ 1,535,000	\$ 920,000	\$ 4,315,000	

1000 Transmission Line and Station Changes							
1001	Move Transmission Poles for easements	\$ 60,000	\$ -	\$ 60,000	\$ 160,000	\$ 280,000	
1002	Install 115kVA switches	\$ 110,000	\$ 45,000	\$ -	\$ 125,000		
Transmission Line and Station Changes :: Annual Totals		\$ 170,000.00	\$ 45,000.00	\$ 60,000.00	\$ 285,000.00	\$ 560,000.00	
1100 Other Transmission Items							
1101	Easements and Right-of-Way	\$ 45,000	\$ 25,000	\$ -	\$ 80,000	\$ 150,000	
Other Transmission Items :: Annual Totals		\$ 45,000	\$ 25,000	\$ -	\$ 80,000	\$ 150,000	
1200 Communications							
1201	Fiber Line Extensions	\$ 145,000	\$ 140,000	\$ 110,000	\$ 160,000	\$ 555,000	
Communications :: Annual Totals		\$ 145,000	\$ 140,000	\$ 110,000	\$ 160,000	\$ 555,000	
1300 Headquarters Facilities							
1301	Fuel Tanks	\$ -	\$ 205,000	\$ 100,000	\$ -	\$ 305,000	
1302	Fencing	\$ 50,000	\$ -	\$ 25,000	\$ 100,000	\$ 175,000	
Communications :: Annual Totals		\$ 50,000	\$ 205,000	\$ 125,000	\$ 100,000	\$ 480,000	
Annual Totals							
2020-2023 Plan of Service :: Annual Cost		\$ 4,739,000	\$ 5,079,000	\$ 5,055,500	\$ 4,674,500	\$ 19,548,000	