

**COMMISSIONERS PREAGENDA
FOR THE REGULAR MEETING OF
CLALLAM COUNTY PUBLIC UTILITY DISTRICT #1
BOARD OF COMMISSIONERS
APRIL 12, 2021 at 1:30 PM**

Join Zoom Meeting:

<https://zoom.us/j/98853888955?pwd=U1d0STJrL0dHMUM4OVZnWDFSQ09VUT09>

Meeting ID: 988 5388 8955 | **Passcode:** 282493

One tap mobile: +12532158782,,98853888955#,,, *282493# US (Tacoma)

Find your local number: <https://zoom.us/u/akSLFRCUR>

- **Consent Agenda Items**

The Commissioners will consider approving Consent Agenda items.

- **Bid Award Recommendation Memo Bid No. 210801 for Pole Replacement**

The Commissioners will consider authorizing Bid Award Recommendation Memo for Bid No. 210801 for the rebuild of transmission lines from Airport Road to Cherry Street in Port Angeles to FB Titan. The Engineer's estimate for the project is \$850,000.

Staff recommendation: Staff requests a motion, second, and vote to authorize Bid Award Recommendation Memo for Bid No. 210801 for the rebuild of transmission lines from Airport Road to Cherry Street in Port Angeles to Titan Electric Contracting, Inc., dba FB Titan. FB Titan from Casper, Wyoming is the lowest responsible bidder on the District's Prequalified Vendor List for work on high-voltage electric, with a total base bid of \$418,531.84 (not including WSST).

Invitation to Submit Bid No. 210802 for a Trailer Mounted Underground Puller

The Commissioners will consider authorizing staff to solicit quotations for Bid Number No. 210802 for a Sherman Reilly diesel engine trailer-mounter puller DDXA-75.

Staff recommendation: Staff requests a motion, second, and vote to authorize staff to solicit quotations for Bid Number No. 210802 for a Sherman Reilly diesel engine trailer-mounter puller DDXA-75.

The Commissioners will also consider the customary business matters associated with approval of payments, minutes of the previous meeting, reports from Commissioners and staff, comments from the public, and other items of information or general business. Items may be added to, or removed from, the agenda at the meeting.

AGENDA
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1. CALL TO ORDER

2. APPROVAL OF CONSENT AGENDA

- a. Minutes of the March 22, 2021 regular meeting;
- b. Claim vouchers for March 22 through April 5, 2021 for a total of \$4,697,218.64;
- c. Payroll vouchers for the period of March 1 through March 15, 2021;
- d. Removal of delinquent accounts from the April 2021 active accounts receivable totaling \$7088.98 including a 30% collection fee; and
- e. Invoices to be removed from active miscellaneous accounts receivable totaling \$6264.01 including a 30% collection fee.

3. AGENDA REVISIONS

4. COMMENTS FROM THE PUBLIC

5. BUSINESS ITEMS

- a. Bid Award Recommendation Memo Bid No. 210801 for Pole Replacement Ben Phillips
- b. Invitation to Submit Bid No. 210802 for a Trailer Mounted Underground Puller Terry Lind

6. CORRESPONDENCE/COMMUNICATIONS

- a. Pacific Northwest National Laboratory (PNNL) letter Colin Young

7. COMMISSIONER REPORTS

8. STAFF REPORTS

9. BOARD'S ACTION ITEMS FOR STAFF

10. COMMENTS FROM THE PUBLIC

11. EXECUTIVE SESSION

12. ADJOURN

CLALLAM COUNTY PUBLIC UTILITY DISTRICT #1

Minutes of the Regular Meeting of the Board of Commissioners

Main Office | 104 Hooker Road | Sequim, WA 98382

MARCH 22, 2021 – This meeting was held remotely via ZOOM

Commissioners Present

Will Purser, President

Rick Paschall, Vice President

Jim Waddell, Secretary

Staff Present

Doug Nass, General Manager

John Purvis, Assistant General Manager

Sean Worthington, Finance Manager/Treasurer

Terry Lind, Operations Superintendent

Ben Phillips, Engineer III

Mike Hill, Engineering Manager

Tom Martin, Water/Wastewater Manager

Colin Young, Distribution System Supervisor

Nicole Hartman, Communications Manager

Lori Carter, Controller/Auditing Officer

Ruth Kuch, Financial Analyst II

Jamie Spence, HR Manager

Rebecca Turner, SR, Accountant

Tyler King, Power Analyst

Larry Morris, Safety Manager

Teresa Lyn, Executive Assistant

FCS

Sergey Tarasov, Sr. Project Manager

Matt Hobson, Project Manager

Others Present as Identified

Patti Morris

Krestine Reed

Paula Simpson-Barnes

Janet Marx

Phillip Kitchel

Richard DeBusman

Betsy Robins

Chet Baumann

Christine Stallard

Jamie Michel

Jim McEntire

LaTrisha Suggs

Paul Hansen

Rebeca Paradis

Ray Moses

Rob Ollikainen

Ron Richards

Sam Woods

Sean Haberg

Steve Kern

Brian Grad

An MCobb

Pete Mehl

Joe, last name not provided

Ted, last name not provided

John Mahan

The meeting commenced at 1:30 PM.

CONSENT AGENDA 1:07

Upon recommendation of staff, and upon motion of Commissioner Waddell seconded by Commissioner Paschall and carried, the Commissioners approved the following consent agenda items:

- a. Minutes of the March 8, 2021 regular meeting;
- b. Claim vouchers for March 8 through March 15, 2021 for a total of \$1,020,464.77;
- c. Payroll vouchers for the period of February 16 through February 28, 2021;
- d. Pre-qualification for contractor Par Electric Power for \$10,000,000;
- e. Pre-qualification for contractor Palouse Power LLC for \$2,000,000;
- f. Pre-qualification for contractor Cannon Constructors LLC for \$10,000,000; and
- g. Pre-qualification for contractor Riverline Power LLC for \$1,000,000.

AGENDA REVISIONS 2:00

John Purvis will present Bid Number 211003 in lieu of Bill Decker.

COMMENTS FROM THE PUBLIC 2:16

Comment was heard both in support of and in opposition to Resolution 2194-21.

BUSINESS ITEMS 30:19

Upon recommendation of staff, and upon motion of Commissioner Paschall, seconded by Commissioner Purser and carried, the Board adopted RESOLUTION 2194-21 supporting the Federal Columbia River Power System, recognizing its role in environmental stewardship, and opposing the removal of the Lower Snake River dams. Prior to the vote on RESOLUTION 2194-21, Commissioner Waddell provided a point-by-point rebuttal of the Resolution, which he opposes.

Upon recommendation of staff, and upon motion of Commissioner Paschall, seconded by Commissioner Waddell and carried, the Board approved RESOLUTION 2195-21 Authorizing the disposal of surplus property which consists of one Migmaster 250 serial number MAGI939106 which is no longer useable or repairable and thus has no value to the District.

Upon recommendation of staff, and upon motion of Commissioner Paschall, seconded by Commissioner Waddell and carried, the Board approved Invitation to Bid Number 211003 for a contractor to inspect, treat, and report on an unspecified number of electrical transmission and distribution wood poles. The number of poles is undetermined at this time. The location of the work is Clallam County. This project will have an estimated not-to-exceed amount of \$129,368.00 (not including WSST).

The meeting convened and recessed at 2:36 PM for a break. The meeting reconvened at 2:42 PM.

Finance Manager/Treasurer Sean Worthington and consulting firm FCS's Project Managers Sergey Tarasov and Matt Hobson provided an update on Washington State's Clean Energy Transformation Act (CETA) as it relates to the District and its customers. CETA requires utilities to provide energy programs (energy-saving measures such as weatherization and conservation) and assistance to low-income households. It is estimated that about 35% of the District's residential customers have an energy assistance need. Included was a review of RCW 19.405.120, which mandates that all utilities must make programs and funding available for energy assistance to low income households by July 31, 2021; an explanation of the terms 'energy burden' and 'energy need;' the Department of Commerce's role in collecting and providing relevant data; and utility responsibilities regarding the implementation of CETA; and energy assistance need (EAN) analysis. Also discussed was the new CETA program that staff developed and recommends in order to comply with CETA legislative requirements. Assistant Manager John Purvis provided a detailed internal analysis on CETA Section 12, including an overview of policy considerations.

CORRESPONDENCE/COMMUNICATIONS

No correspondence.

COMMISSIONER REPORTS 2:07

Commissioner Paschall attended several WPUA meetings.

Commissioner Waddell attended several WPUA meetings and a Northwest Power Conservation meeting.

Commissioner Purser attended several Energy Northwest Executive Board meetings.

STAFF REPORTS

No staff reports.

BOARD’S ACTION ITEMS FOR STAFF

There were no actions for staff.

COMMENTS FROM THE PUBLIC 2:24

Comment was heard regarding the Environmental Impact Study (EIS) of the lower Snake River dams; opposition to Resolution 2194-21; an inquiry into public discussion of the Resolution; appreciation for Commissioner meeting reports; and a suggestion for the District to offer customers a way to donate to the low energy assistance fund (Note: it already does).

ADJOURN

There being no further business to come before the Commission, the meeting adjourned at 4:01 PM.

ATTEST:

President

Vice President

Secretary

A detailed transcript of this meeting via audio recording is available to the public on the Commission Meetings page of the PUD website here: <https://clallampud.net/commission-meetings/>.

March 22, 2021

VOUCHER APPROVAL
PUBLIC UTILITY DISTRICT #1 OF CLALLAM COUNTY
OPERATING FUND

We certify, under penalty of perjury, the materials have been furnished, the services rendered, or the labor performed as described herein, and the attached list of claims are a just, due, and unpaid obligation against Public Utility District No. 1 of Clallam County, and we are authorized to authenticate and certify said claims.

SIGNED Yori Carter DATE 4/2/21
 AUDITING OFFICER

SIGNED [Signature] DATE 4/5/21
 GENERAL MANAGER

Checks and E-Payments audited and certified by the Auditing Officer and the General Manager have been recorded on the attached list which has been made available to the Board of Commissioners of Public Utility District No. 1 of Clallam County. We, the undersigned Board of Commissioners of Public Utility District No. 1 of Clallam County, approve for payment those vouchers included on the attached list:

DATE: April 5, 2021

\$	659,761.36	Checks
		Wire Transfers
\$	24,833.21	EPAY
		Pre-Pays
\$	684,594.57	TOTAL AMOUNT

The attached list of claims has been paid using Check Numbers:

_____ through _____ mailed on _____.

The attached list of claims has been paid using E-Payment Numbers:

_____ through _____ Processed on _____.

The attached list of claims has been paid using Wire Numbers:

_____ through _____ Processed on _____.

Signed _____ Dated _____.

AUDITING OFFICER

PUD#1 OF CLALLAM COUNTY, WASHINGTON

APRIL 2021

**DELINQUENT ACCOUNTS TO BE REMOVED
FROM ACTIVE ACCOUNTS RECEIVABLE**

Delinquent accounts listed for electricity and water on the attached pages are approved to be removed from the active accounts receivable. All accounts to be removed are grouped and total as follows:

04/01/21	Clallam Bay – Evergreen	\$	496.41
04/01/21	Forks – Evergreen	\$	1,651.67
04/01/21	Port Angeles – Evergreen	\$	436.25
04/01/21	Sequim – Evergreen	\$	2,868.73
04/01/21	All Area-Direct W/O Bankruptcy	\$	-
04/01/21	All Area-Direct W/O Deceased	\$	-
04/01/21	All Area-Direct W/O Small Balance	\$	-
	SUBTOTAL	\$	5,453.06
04/01/21	30% Collection Fee	\$	1,635.92
	TOTAL	\$	7,088.98

Previous Debt Collected in March 2021 \$ 1,043.59
Previous Debt Collected Year To Date 2021 \$ 3,363.12

Dated this _____ day of _____, 20____.

President

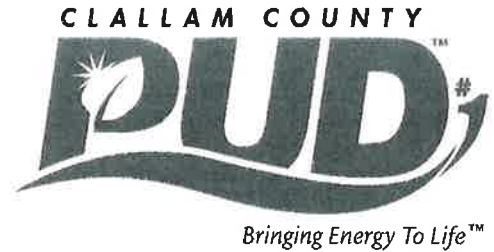
Secretary

Vice-President

SW:kw

Attachments


These lists comply with our CIS software which removes accounts from the active accounts receivable when placed with a collection agency (classifies them as bad debt). The exceptions are bankruptcies, deceased customers and customer accounts with small balances under \$20. These are removed under the categories of All-Area Direct W/O, but not placed with a collection agency.



MEMORANDUM

Date: April 12, 2021

To: Doug Nass, General Manager

From: Ben Phillips, Project Manager
Mike Hill, Engineering Manager
John Purvis, Assistant General Manager 

Re: BID AWARD RECOMMENDATION MEMO
BID OPENING MARCH 31, 2021
TRANSMISSION POLE REPLACEMENT WITH DISTRIBUTION AND FIBER
FROM AIRPORT ROAD TO CHERRY ST
BID NUMBER 210801

This contract is for the rebuild of transmission lines from Airport Road to Cherry Street, in Port Angeles. The work provided will include pole replacement with distribution and fiber line transfers. The Engineer's Estimate for the project is \$850,000.

Titan Electric Contracting Inc, dba FB Titan, from Casper, WY, is the lowest responsible bidder on the District's Prequalified Vendor list for work on high voltage electric, with a total base bid of \$418,531.84 (not including WSST). A tabulation of all bids received is attached.

We recommend that the District let the contract to TITAN ELECTRIC CONTRACTING INC., dba FB TITAN

Accepted by Board of Commissioners at meeting of April 12, 2021.

Doug Nass, General Manager

TRANSMISSION POLE REPLACEMENT WITH DISTRIBUTION & FIBER FROM AIRPORT ROAD TO CHERRY STREET

BID DUE DATE MARCH 31, 2021, 2:00 PM

BID NUMBER 210801

Engineer's Estimate \$850,000

BIDDER	IN SEALED ENVELOPE	BID PROPOSAL AMOUNT without WSST	STARTING DATE / COMPLETION DATE	ALTERNATE BID	RESUME OF PM/LINE SUPERVISOR	PROJECT PLAN & SCHEDULE ATTACHED	LIST OF REGULAR & OVERTIME RATES OF ALL WORKERS ATTACHED	PLATE ANCHOR COST/EA.	BID BOND INCLUDED	ADDENDUM 1 ACKNOWLEDGED	ADDENDUM 2 ACKNOWLEDGED	ADDENDUM 3 ACKNOWLEDGED	ADDENDUM 4 ACKNOWLEDGED
POTELCO INC	Y	\$ 975,375.00	6/1/2021 - 10/1/2021	N	Y	Y	Y	\$ 1,759.63	Y	Y	Y	Y	Y
MICHELS POWER INC	Y	\$ 977,575.69	6/1/2021 - 10/1/2021	N	Y	Y	Y	\$ 1,492.36	Y	Y	Y	Y	Y
WILSON CONSTRUCTION COMPANY	Y	\$ 788,046.64	6/1/2021 - 10/1/2021	N	Y	Y	Y	\$ 1,452.57	Y	Y	Y	Y	Y
RIVERLINE POWER LLC	Y	\$ 549,999.99	6/1/2021 - 10/1/2021	N	Y	Y	Y	\$ 1,250.00	Y	Y	Y	Y	Y
MAGNUM POWER LLC	Y	\$ 723,215.00	6/1/2021 - 10/1/2021	N	Y	Y	Y	\$ 800.00	Y	Y	Y	Y	Y
TITAN ELECTRIC INC, DBA FB TITAN	Y	\$ 418,531.84	6/1/2021 - 10/1/2021	N	Y	Y	Y	\$ 835.21	Y	Y	Y	Y	Y



MEMORANDUM

Date: April 12, 2021
To: Doug Nass, General Manager
From: John Purvis, Assistant General Manager
Terry Lind, Superintendent
Re: SHERMAN REILLY DIESEL ENGINE, TRAILER MOUNTED
UNDERGROUND PULLER DDHXA-75 – 7,500 lb.
INVITATION TO BID

Staff recommends the District solicit formal bids for the purchase of a Sherman Reilly Diesel Engine, Trailer Mounted, Underground Puller DDHXA-75 – 7,500lb. The District would like to standardize underground pullers (currently we have A DDHXA-75) interchangeable parts on hand, crews have been trained on the DDHXA-75, and mechanics are familiar with services and repairs.

Staff requests a motion, second, and vote to authorize District staff to publish a notice on April 14, 2021, in the Peninsula Daily News, Daily Journal of Commerce, and by such other means as determined by staff to be prudent, inviting sealed proposals for this piece of equipment.

JP/TL:jk

[Signature of John Purvis]
John Purvis, Assistant General Manager

Date: 3/30/21

[Signature of Terry Lind]
Terry Lind, Operations Superintendent

Date: 3/29/21

Acknowledged and Agree:

[Signature of Doug Nass]
Doug Nass, General Manager

Date: 3.30.21



**INVITATION TO SUBMIT BID
Bid Number 210802**

Contractors are invited to submit a bid for furnishing to PUBLIC UTILITY DISTRICT NO. 1 OF CLALLAM COUNTY for one (1) new:

Sherman Reilly, Diesel Engine, Trailer Mounted Underground Puller DDHXA-75 – 7,500 lb.

Sealed bids will be received by PUBLIC UTILITY DISTRICT NO. 1 OF CLALLAM COUNTY on or before 2:00 p.m., Pacific Time, April 29, 2021. Bids may be submitted via USPS and sent to PUD No. 1 of Clallam County, Attn: Contracts Coordinator, P.O. Box 1000, Carlsborg, Washington 98324. If submitting a sealed bid via express delivery (i.e. FedEx, UPS), please deliver it to, PUD No. 1 of Clallam County, Attn: Contracts Coordinator, 100 Hooker Road, Sequim, WA 98382. The bid must be in a sealed envelope with the name and address of the Bidder, the Bid Number 210802, and SEALED BID written on the envelope, then placed inside the delivery envelope to be mailed. Proposals must be filled out in ink or typewritten. No alterations or interlineations will be permitted, unless made before submission, initialed, and dated. At 2:30 p.m., Pacific Time, a public bid opening of the proposals will take place in the Boardroom at the District's Main Office, located at 104 Hooker Rd., Sequim, WA.

Each bid must be accompanied by a bid bond, certified check, or cashier's check in an amount equal to five percent (5%) of the bid.

Specifications and details of the proposal are found on our website, <https://clallampud.net/contractorsprojects/>, or by contacting Terry Manning, Autoshop Foreman by phone, 360-565-3262, or the Contracts Coordinator by phone, 360-565-3243

PUBLIC UTILITY DISTRICT NO. 1
OF CLALLAM COUNTY

Date: _____, 20__

Jim Waddell, Secretary

For Publication on April 14, 2021

SECTION I

NOTICE AND INSTRUCTIONS TO BIDDERS NUMBER 210802

1. CALL FOR PROPOSALS

Sealed proposals for furnishing one (1) new Sherman Reilly, Diesel Engine, Trailer Mounted Underground Puller DDHXA-75 – 7,500 lb. (hereinafter called the "Equipment") will be received by PUBLIC UTILITY DISTRICT NO. 1 OF CLALLAM COUNTY, on Wednesday, **April 29, 2021**, until 2:00 p.m., Pacific Time. At 2:30 p.m., Pacific Time, a public bid opening will take place in the Boardroom at the District's Main Office located at 104 Hooker Rd, Sequim, Washington.

2. SCOPE OF PROPOSAL

The Equipment to be purchased and delivered to the District is a:

Sherman Reilly, Diesel Engine, Trailer Mounted Underground Puller DDHXA-75 – 7,500 lb.

3. MANUFACTURERS' GUARANTEES

All manufacturers' guarantees of the Equipment or any portion thereof shall be transferred and assigned to the District upon delivery of the Equipment and before payment is made for such Equipment. Such guarantees shall be in addition to those required of the Vendor by other provisions of this contract. **A copy of the manufacturer's warranty shall be included with the bidder's proposal.**

4. AVAILABILITY OF CONTRACT DOCUMENTS

The complete contract includes the Advertisement for Bids; Section I - Notice and Instructions to Bidders, Section II - Proposal, Section III - Specifications, Contract, and all modifications incorporated in these Contract Documents before their execution.

Contract Documents are on file and copies available on the District's website <https://clallampud.net/contractorsprojects/>. If you have questions please contact our Automotive Department by telephone (360) 565-3262 or by email terrym@clallampud.net.

5. SUBMISSION OF PROPOSAL

Proposals must be in a sealed envelope with the name of vendor and address, plainly marked "SEALED BID", and the District Request for Proposal Number **210802** written on the sealed envelope and then placed inside the delivery envelope to be mailed. Proposal may be submitted via USPS and sent to PUD No. 1 of Clallam County, Attn: Contracts Coordinator, P.O. Box 1000, Carlsborg, WA 98324. If submitting the sealed proposal via express delivery (i.e. FedEx, UPS), it must be addressed to PUD No. 1 of Clallam County, Attn: Contracts Coordinator, 100 Hooker Rd., Sequim, WA 98382. Sealed proposal will be received by PUD No.1 of Clallam County until 2:00 p.m., Pacific Time on Wednesday, April 29, 2021. At 2:30 p.m., Pacific Time, April 29, 2021, a public bid opening will take place in the Boardroom at the

District's Main office at 104 Hooker Road, Sequim, WA. If attending the bid opening, please no more than 2 people per party, full mouth and nose mask covering is required, park on the East side of the building parking lot, and enter only on the North side of the building, and distancing of at least 6 feet separation will be in place.

Proposals must be filled in ink or typewritten. No alterations or interlineations will be permitted, unless made before submission and initialed and dated.

6. BID SECURITY

Each proposal shall be accompanied by a Certified Check or Cashier's Check payable to the order of the District for a sum not less than five percent (5%) of the amount of the bid, or accompanied by a Bid Bond in an amount not less than five percent (5%) of the total bid with a Corporate Surety licensed to do business in the State of Washington, conditioned that the Bidder will pay to the District as liquidated damages the total amount specified in the Bond unless entering into a contract in accordance with the bid and furnishing a Performance and Payment Bond(s) for not less than One Hundred percent (100%) of the contract price within ten (10) days of being notified as being the successful bidder, as required by Section 54.04.080 R.W.C.

If a proposal is not accepted, the Certified Check, Cashier's Check, or Bid Bond will be returned within 90 days to the Bidder furnishing same, except that of the successful Bidder shall be retained until a contract is entered into and a Performance and Payment Bond(s) furnished as mentioned above.

If the Bidder fails to enter into a contract and furnish the Bond(s) within ten (10) days of the date of being notified as being the successful Bidder, the check or Bid Bond and the amount thereof shall be forfeited to the District. No Bidder shall be permitted to withdraw a bid within a period of 45 days after the actual date on which the bids were opened.

7. EXECUTION OF CONTRACT

The Contract, when executed, shall be deemed to include the entire agreement, or any portion thereof, between the parties thereto, and the Contractor shall not claim any modification thereof resulting from any representation or promise made at any time by any officer, agent, or employee of the District or by any other person.

8. PROPOSAL IRREGULARITIES OR ERRORS

The District reserves the right to waive minor irregularities or minor errors in any Proposal, if it appears to the District that such irregularities or errors were made through inadvertence. Any such irregularities or errors so waived must be corrected on the Proposal in which they may occur prior to the execution of any contract that may be awarded thereon.

9. REJECTION OF PROPOSAL

The District reserves the right to reject any or all proposals, or any portion of any proposal.

10. DELIVERY DATE

The delivery date as specified by the bidder in the proposal may be used as a factor in deciding the award of the contract. The delivery date is the date the equipment is accepted by the District, which shall be not greater than (90) ninety days after this bid is awarded. Time is of the essence of this contract.

11. PRIOR CONTRACTS

The bidder's performance in prior contracts with the District may be used as a factor in deciding the award of the contract.

12. EMPLOYER'S IDENTIFICATION NUMBER

The bidder must furnish with the bid the firm's Employer's Identification Number.

13. BID PRICE AND ACCEPTANCE

The Contractor shall deliver the Equipment F.O.B. the District's Port Angeles Operations Center at 1936 West 18th Street, Port Angeles, Washington 98363. Bid prices shall include delivery of all equipment, fully assembled and operational, to said destination.

14. SALES TAXES

The cost of any county, city, or metropolitan municipal sales taxes (R.C.W 82.14) that may be applicable to this transaction will be considered by the Board in evaluation of bids. In the event that a county, city, or metropolitan municipal sales tax is applicable to the proposed purchase, the Board will award the contract to the lowest Bidder, on the basis of the relative amount of the stated bid price plus the amount of county, city, or metropolitan municipal sales and use tax imposed pursuant to Chapter 82.14, Revised Code of Washington (1970 1st Ex. Sess., Chapter 94).

PUBLIC UTILITY DISTRICT NO. 1
OF CLALLAM COUNTY

By: 
John Purvis, Assistant General Manager

Date: April 14, 2021



Clallam PUD & Pacific Northwest National Laboratory (PNNL) Renewable Energy Partnership

Colin Young

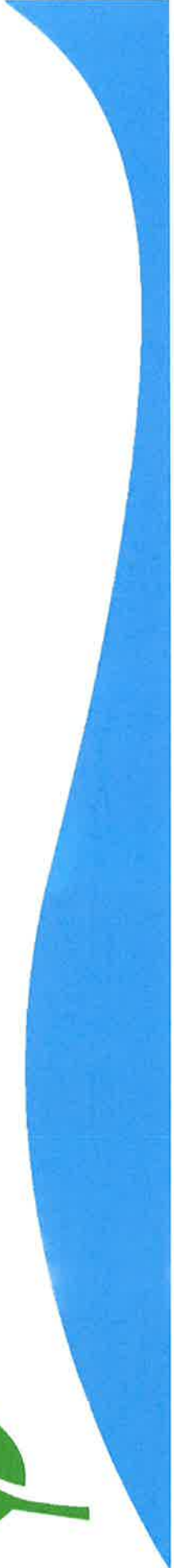


PUD Letter of Support



Bringing Energy To Life™

- Cooperate on testing new ways of interacting with the Grid
- Share research knowledge with other utilities
- Clean Energy Fund (CEF) Microgrid Grant Proposal
- Future Demand Response with PNNL Building
- Clean Energy Transformation Act (CETA)
- Smart Energy Provider (SEP)



PNNL Discussion

- PNNL representatives
 - Melanie Roberts
 - Genevra Harker-Klimes
 - Carl Imhoff
 - Jan Alam





Clallam PUD Board of Commissioners Meeting

April 12, 2021

PNNL Participants:

Melanie Roberts

Genevra Harker-Klimes

Jan Alam

Carl Imhoff



PNNL is operated by Battelle for the U.S. Department of Energy





PNNL Marine and Coastal Research Laboratory in Sequim





Melanie Roberts

- *Title:* Director, State and Regional Affairs
- *Organization:* Pacific Northwest National Laboratory
- *Education:* Ph.D. in neuroscience, fellowship in science policy
- *Experience:* State engagement, regional partnerships
- *Topic:* Introduction and thank you





**Pacific
Northwest**
NATIONAL LABORATORY

Genevra Harker-Klimes

- *Title:* Division Director, Coastal Sciences
- *Organization:* Pacific Northwest National Laboratory
- *Education:* Ph.D., School of Ocean Sciences
- *Experience:* 20 years in offshore and onshore energy industry, including project management, research and offshore roles for both renewable energy projects and oil & gas exploration. Experience linking companies and research groups for applied studies
- *Topic of discussion:* Marine and Coastal Research Laboratory – Future Vision





Jan Alam

- *Title:* Project Manager and Senior Engineer
- *Organization:* Pacific Northwest National Laboratory
- *Education:* Ph.D., Electrical Engineering
- *Experience:* Grid Integration of Energy Resources
- *Topic of discussion:* Ongoing Collaborations





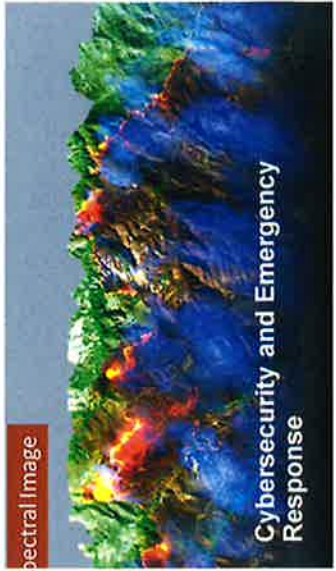
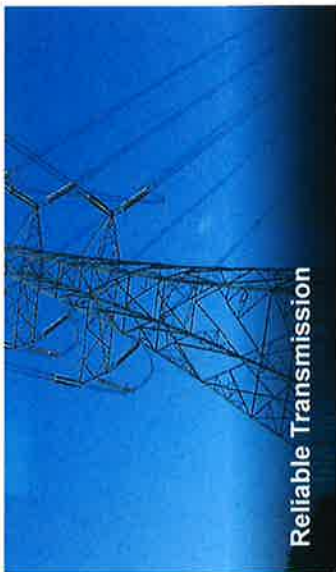
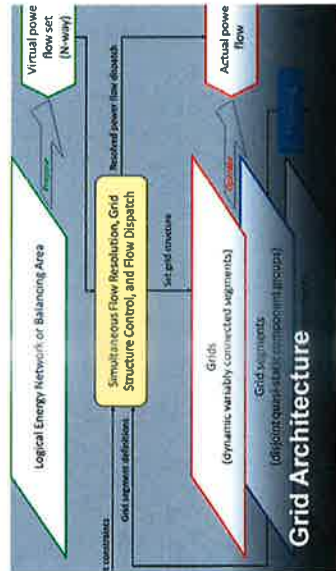
Carl Imhoff

- *Title:* Manager, Electricity Infrastructure Sector and Grid Modernization Laboratory Consortium (GMLC) Chair
- *Organization:* Pacific Northwest National Laboratory
- *Education:* B.S. Industrial and Systems Engineering, M.S. School of Industrial and Systems Engineering
- *Experience:* Leads PNNL's grid modernization research and development while also coordinating collaborative grid programs with other national labs through the GMLC.
- *Topic of discussion:* PNNL Grid Expertise and Utility Collaborations



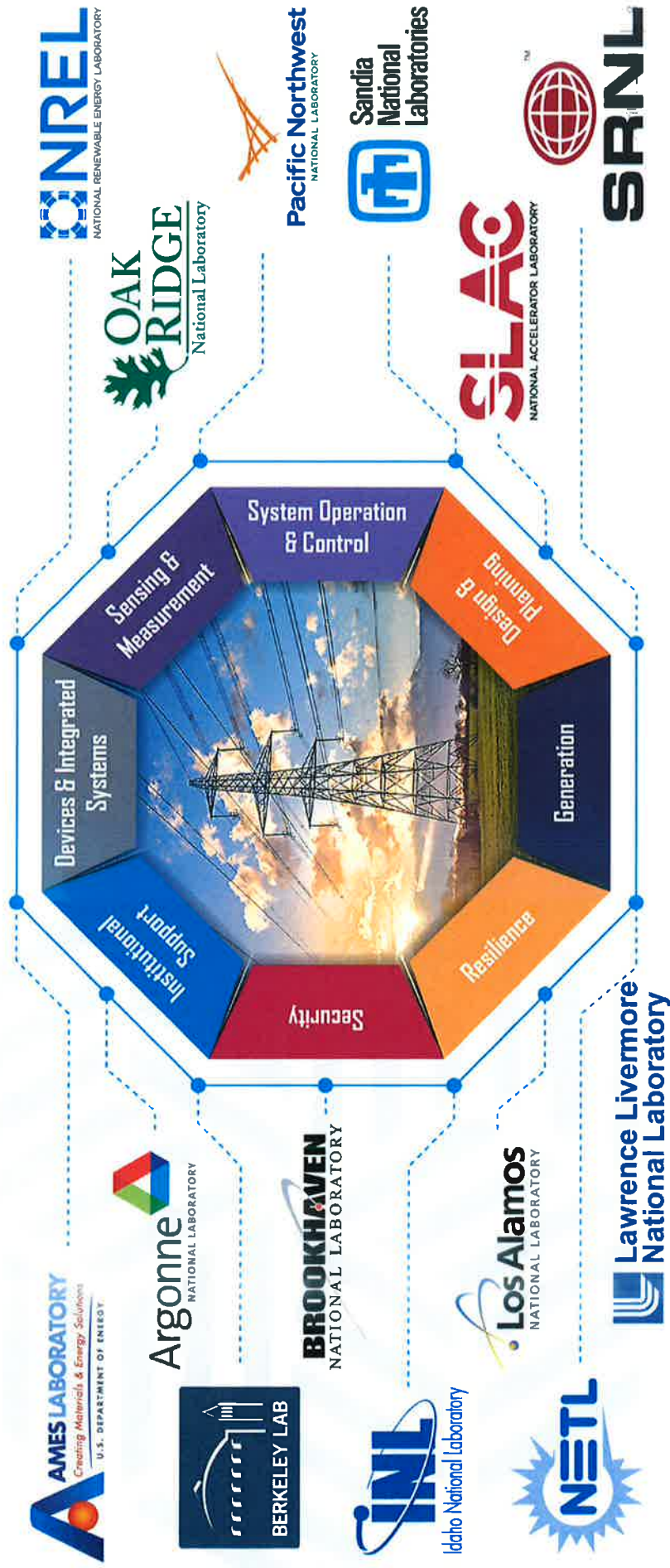


PNNL Grid R&D Program Overview



DOE's Grid Modernization Laboratory Consortium

14 National Labs 200+ Partners



Over 200 GMLC Partners



- ▶ 41 utilities
- ▶ 12 bulk system operators
- ▶ 67 vendors
- ▶ 33 Industry organizations
- ▶ 30 universities
- ▶ 29 federal, state and local entities





Thank you

melanie.roberts@pnnl.gov

genevra.harker@pnnl.gov

ian.alam@pnnl.gov

carl.imhoff@pnnl.gov

