

PUBLIC UTILITY DISTRICT NO. 1 OF SKAGIT COUNTY
BOARD OF COMMISSIONERS

AGENDA
SEPTEMBER 12, 2023
4:30 PM

The public is invited to attend in person or via Microsoft Teams.

Join Microsoft Teams Meeting: <https://tinyurl.com/4ken37hn>

Meeting ID: 220 425 255 137

Passcode: Wqimjo

Please turn your audio and video off during the meeting. Use the "Raise Hand" feature if you would like to speak during Audience Comments.

If you have a question or comment for the Board, please submit it by 5 p.m. the Monday prior to the meeting by calling (360) 848-4460 or send an email to pud@skagitpud.org

PLEDGE OF ALLEGIANCE

CONSENT AGENDA

1. Approval of Agenda 9/12/23
2. Approval of Minutes 8/15/23
3. Ratification of Voucher 8/22/23, 8/29/23 & 9/5/23
4. Voucher Approval 9/12/23
5. [Cook Road Apartments Project Acceptance](#)

AUDIENCE COMMENTS

OLD BUSINESS

6. General Manager's Report
7. Human Resources Department Update

NEW BUSINESS

8. [9th and Highland Micro Hydro Project - Department of Commerce Contingent Grant Award - Action](#)

INFORMATION

9. Judy Reservoir Data Report
10. Recent News Articles
11. [Summary of SRD Transformer Replacement](#)
12. [WAT21569 Skagit River Diversion \(SRD\) Transformer Replacement](#)

COMMISSIONER COMMENTS

EXECUTIVE SESSION

Discuss potential litigation - Per RCW 42.30.110(1)(i)(ii): Approx. 15 Minute Duration

ADJOURNMENT

PUBLIC UTILITY DISTRICT NO. 1 OF SKAGIT COUNTY
BOARD OF COMMISSIONERS

AGENDA
SEPTEMBER 12, 2023
4:30 PM

The public is invited to attend in person or via Zoom.

Join the meeting via Zoom: <https://skagitpud.zoom.us/j/87189171574?pwd=WjlcWU5UbC9lUEFxRXBza3RiclRjdz09>

Meeting ID: 871 8917 1574
Passcode: 490612
Or dial: 1-253-215-8782

Please turn your audio and video off during the meeting. Use the "Raise Hand" feature if you would like to speak during Audience Comments.

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COMMISSIONER COMMENTS

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Discuss potential litigation - Per RCW 42.30.110(1)(i)(ii): Approx. 15 Minute Duration

ADJOURNMENT

MINUTES OF THE REGULAR MEETING OF THE COMMISSION
PUBLIC UTILITY DISTRICT NO. 1 OF SKAGIT COUNTY, WASHINGTON

August 15, 2023

The regular meeting of the Commission of Public Utility District No. 1 was held in the Aqua Room of the utility located at 1415 Freeway Drive, Mount Vernon, Washington.

The meeting was called to order at 4:30 p.m. Commissioners in attendance were Joe Lindquist, president; Andrew Miller, vice president; and Corrin Hamburg, secretary.

Also in attendance were: Kevin Tate, Shannon Patiño, George Sidhu, Nick Semrau, Pete Gilbert, Alistair Boudreaux, Brian Henshaw, Mark Handzlik, Sharon Mataya, Jay Sedivy, Sam Shipp, Kathy White, Mark Semrau, Brandon Stone.

Participating remotely were: Courtney Shilling, Steve G, Jennifer DeCelles

Commissioner Lindquist led the Pledge of Allegiance.

CONSENT AGENDA

Commissioner Miller moved to approve the Consent Agenda for August 15, 2023, as presented.

1. Approval of Agenda 8/15/23
2. Approval of Minutes: 8/2/23 Regular Meeting
3. Ratification of Voucher 8/8/23 No. 3095 (\$219,031.64)
Accounts Payable Voucher No. 26973 – 27022 (\$219,031.64)
4. Voucher Approval 8/15/23 No. 3096 (\$1,646,167.66)
Accounts Payable Voucher No. 27023 – 27069 (\$1,208,351.95)
Electronic Funds Transfer (\$212,422.42)
Payroll Electronic Funds Transfers No. 041494 - 041582 (\$225,393.29)

The motion passed unanimously.

AUDIENCE COMMENTS

None.

OLD BUSINESS

5. General Manager's Report: General Manager Sidhu provided an update on the following:
 - The ground breaking ceremony for the new PUD admin building that was held on Tuesday, August 15, 2023, at 3 p.m.
 - The employee summer picnic hosted by the PUD Employee Association that will be held on Sunday, August 20.
 - The exit conference with the State Auditor's Office that is scheduled for September 12 at 3:30 p.m.
 - The first budget related meeting to discuss the Capital Improvement Plan (CIP) took place on August 15. The budget hearing will be on October 10 during the regular board meeting.
 - The elected officials tour of Judy Reservoir and the water treatment plant that took place on August 10.
 - The Thirstbuster made an appearance at the Skagit County Fair from August 9-12.
 - During a meeting with Sara Young, Port of Skagit Executive Director, on Tuesday, August 15, 2023, it was discussed to establish a work group to focus on SkagitNet tasks and goals. The work group would meet monthly and consist of Manager Sidhu, Director Young, staff from each agency, and one commissioner from each agency. A brief discussion ensued. Commissioner Miller volunteered to be a part of the work group to represent the PUD Commissioners.
6. IT Department Update: IT Manager Boudreaux presented the IT Department update on the following: Project updates on the NorthStar/Cayenta integration, SCADA security detection, data center build, and takeaways from the ISAC conference in Salt Lake City, UT where

Manager Boudreaux presented on Cybersecurity on a Smaller Scale

NEW BUSINESS

7. Recommendation to grant Puget Sound Energy an easement for electrical service to PN 3675 Campus Replacement Administration Building: Engineering Manager Handzlik briefly explained that an access easement must be provided for utilities serving the new PUD admin building to meet utility service requirements. The easement will authorize a ten-foot-wide easement for Puget Sound Energy (PSE) along with other utilities providing services to the new admin building.

Commissioner Hamburg moved to grant Puget Sound Energy an easement for electrical service to PN 3675 Campus Replacement Administration Building.

The motion passed unanimously.

8. Water Policy Manual Revisions: Finance Manager Henshaw summarized the discussions with the board that were held regarding revisions to Sections 2-4 of the Water Policy Manual, and recommended adopting the revisions beginning January 1, 2024, to provide advance notice to customers of the changes.

Commissioner Miller moved to approve revisions to the Water Policy Manual Sections 2-4 that will be adopted beginning January 1, 2024.

The motion passed unanimously.

9. Declaration of Emergency for Skagit River Diversion Power Transformer: Manager Sidhu and Operations Manager Fox informed the board of the failed power transformer at the Skagit River Diversion (SRD) and the challenges to obtain a replacement. Without the transformer, the PUD does not have the ability to operate pumps at the SRD and pump water from the Skagit River. A new transformer has been difficult to procure, but one was located. However, we must act quickly if it is available for purchase, and it will take approximately 10 weeks to receive and put it into service.

With the next board meeting not being until September 12, Manager Sidhu recommended an emergency declaration to waive normal bidding procedures and authorize an increase to the General Manager's spending limit authority from \$120,000 to \$1,000,000 without prior approval in order to make necessary purchases and to enter into contracts and incur obligations to mitigate issues related to the replacement of the transformer.

Commissioners' questions were fielded by Manager Sidhu and Fox.

Commissioner Miller moved to approve Resolution No. 2299-23 to declare an emergency related to the failure of the power transformer at the Skagit River Diversion pump station.

The motion passed unanimously.

INFORMATION

10. Monthly Budget Status – July 2023
11. Judy Reservoir Data Report

COMMISSIONER COMMENTS

Commissioner Hamburg expressed appreciation for the tour of the plant on Guemes Island and the elected officials tour and Commissioner Miller voiced appreciation on the groundbreaking ceremony.

EXECUTIVE SESSION

At 5:10 p.m. Commissioner Lindquist recessed the regular meeting to discuss a potential real estate purchase pursuant to RCW 42.30.1 10(1)(i)(iii) for a duration of 30 minutes, reconvening at 5:40 p.m.

The executive session ended at 5:40 p.m.

ADJOURNMENT

Having no further business to come before the board, Commissioner Lindquist moved for adjournment. The motion passed, and the August 15, 2023, meeting was adjourned at 5:40 p.m.

ATTEST

Joe Lindquist, President

Corrin Hamburg, Secretary

Andrew Miller, Vice President

As of August 22, 2023

No. 3097

We, the undersigned Board of Commissioners of Public Utility District No. 1 of Skagit County, Washington, do hereby certify that the merchandise and /or services hereinafter specified have been received and are hereby approved for payment in the amount of \$418,215.68 this 22nd day of August, 2023.

The total is comprised of the following:

Accounts Payable voucher No. from 27070 through 27129 in the amount of \$296,514.74, Electronic Funds Transfer in the amount of \$121,700.94. Payroll Electronic Funds Transfers and checks No. through in the amount of \$0.00.

Attest:



Manager


Auditor

President

Vice - President

Secretary

Date: 08/21/2023

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Voucher	Claimant	Amount
27070	ALEC POFF	202.51
27071	AUTOMATION ELECTRIC & CONTROLS	14.17
27072 - EDI	BANNER BANK	240.39
27073	BANNER BANK	27,561.15
27074	BEAVER LAKE QUARRY INC	2,064.86
27075	BODEE W BELANGER	99.01
27076	CASCADE NATURAL GAS	84.86
27077	CDW GOVERNMENT INC	96,755.40
27078	CITY OF ANACORTES	18,340.00
27079	COMMUNITY ACTION OF SKAGIT CTY	664.14
27080	CORE & MAIN LP	6,066.09
27081	CRYSTAL SPRINGS	117.45
27082	CUSTOM EMBROIDERY	1,598.27
27083	WA STATE DEPT OF ECOLOGY	3,700.00
27084	DEVON QUINTERO	180.16
27085	ENDURIS WASHINGTON	1,179.00
27086	ESTATE OF JERALD RINDAL	147.64
27087	EUROFINS EATON ANALYTICAL LLC	960.00
27088	FIRE ES	1,139.88
27089	FRONTLINE CLEANING SERVICES	2,690.00
27090	CIMCO-GC SYSTEMS LLC	251.97
27091	HACH COMPANY	3,621.23
27092	HERC RENTALS INC	704.81
27093	HOME DEPOT	2,685.78
27094	ICONIX WATERWORKS (US) INC	3,186.82
27095	IDEAL RENT-ALL	448.71

Voucher	Claimant	Amount
27096	ISTARA FREEDOM	158.12
27097	KAPTEIN'S ACE HARDWARE	128.33
27098	KATHLEEN VILLARREAL	225.00
27099	KENT D BRUCE CO LLC	871.98
27100	KVA ELECTRIC, INC.	4,386.22
27101	ANYTIME LABOR SEATTLE LLC	3,465.26
27102	LAKESIDE INDUSTRIES INC	408.01
27103	LOOMIS ARMORED US LLC	227.54
27104	MARTIN MARIETTA MATERIALS	513.19
27105	NORTH HILL RESOURCES	278.20
27106	NORTHSTAR CHEMICAL INC	5,183.47
27107	NURNBERG SCIENTIFIC	102.54
27108	ODP BUSINESS SOLUTIONS, LLC	273.84
27109 - EDI	PAYMENTUS GROUP INC	15,367.66
27110	PLATT ELECTRIC SUPPLY	369.96
27111	POMP'S TIRE SERVICE INC	2,811.10
27112	PUGET SOUND ENERGY	90,958.99
27113	RAILROAD MANAGEMENT COMPANY	344.67
27114	RESOURCE TECH, LLC	729.66
27115	RIANNA CLANCY	193.59
27116	SALAZAR'S NURSERY &	295.76
27117	SECURITY SOLUTIONS NORTHWEST	1,102.42
27118	SEDRO WOOLLEY AUTO PARTS INC	21.44
27119	SHOWCASE YOUR SHINE, LLC	1,250.00
27120	SKAGIT AGGREGATES LLC	143.38
27121	SKAGIT COUNTY FACILITIES MGMT	3,500.00
27122	SKAGIT COUNTY PUBLIC WORKS	60.00
27123	SKAGIT FARMERS SUPPLY	265.30
27124	TACOMA SCREW PRODUCTS INC	257.87
27125	TMG SERVICES INC	731.64
27126	TYLER DURST	2,496.42
27127 - EDI	WA STATE DEPT OF RETIREMENT	106,092.89
27128	ASTOUND BUSINESS SOLUTIONS LLC	65.77
27129	WORK OUTFITTERS	231.16
		418,215.68

As of August 29, 2023

No. 3098

We, the undersigned Board of Commissioners of Public Utility District No. 1 of Skagit County, Washington, do hereby certify that the merchandise and /or services hereinafter specified have been received and are hereby approved for payment in the amount of \$421,205.58 this 29th day of August, 2023.

The total is comprised of the following:

Accounts Payable voucher No. from 27130 through 27189 in the amount of \$170,458.58, Electronic Funds Transfer in the amount of \$28,352.61. Payroll Electronic Funds Transfers and checks No. 041583 through 041671 in the amount of \$222,394.39.

Attest:



Manager


Auditor

President

Vice - President

Secretary

Date: 08/28/2023

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Voucher	Claimant	Amount
27130 - EDI	AFLAC	1,114.53
27131	ASPECT CONSULTING LLC	29,427.82
27132	BADGER METER INC	14,214.10
27133	BHC CONSULTANTS, LLC	12,595.63
27134	BIRCH EQUIPMENT RENTAL & SALES	121.40
27135	BLADE CHEVROLET	49.24
27136	BNSF RAILWAY COMPANY	495.85
27137	BRODERICK LARSEN	77.07
27138	BUDGET TOWING AUTO REPAIR INC	399.84
27139	CAROLLO ENGINEERS INC	3,185.00
27140	CINTAS CORPORATION #460	3,233.90
27141	SMOKEY POINT CONCRETE	732.51
27142 - EDI	EMPLOYEES WELFARE & RECREATION	312.00
27143 - EDI	EMPOWER RETIREMENT	815.00
27144	EUROFINS EATON ANALYTICAL LLC	1,034.00
27145	FARMERS EQUIPMENT CO	15.24
27146	FRONTLINE CLEANING SERVICES	187.50
27147	CIMCO-GC SYSTEMS LLC	749.09
27148	HD FOWLER COMPANY INC	6,271.07
27149	HDR ENGINEERING INC	2,814.60
27150	HISTORICAL RESEARCH ASSC INC	2,346.25
27151	THE HOSE SHOP INC	88.81
27152	HUGHES NETWORK SYSTEMS, LLC	127.13
27153	ICONIX WATERWORKS (US) INC	12,165.24
27154	KAPTEIN'S ACE HARDWARE	9.78
27155	LINDE GAS & EQUIPMENT INC	1,590.97

Voucher	Claimant	Amount
27156	MARTIN MARIETTA MATERIALS	11,248.65
27157 - EDI	Mutual of Omaha	3,333.23
27158	NORTHSTAR CHEMICAL INC	15,694.73
27159	AUTO VALUE	127.06
27160	OREGON METER REPAIR	6,910.00
27161	ORKIN LLC	171.57
27162	POMP'S TIRE SERVICE INC	2,489.27
27163 - EDI	PRINCIPAL LIFE INSURANCE CO.	12,910.11
27164	PUGET SOUND ENERGY	31.68
27165	R.S.MEANS COMPANY, LLC	326.40
27166	RAMESH KUMAR	148.49
27167	RH2 ENGINEERING INC	2,819.26
27168	RODNEY HAYES	40.76
27169	RubberForm Recycled Products,	3,060.02
27170	SECURED HOLDINGS LLC	69.51
27171	SEDRO WOOLLEY AUTO PARTS INC	230.31
27172	SKAGIT FARMERS SUPPLY	384.65
27173	SKAGIT VALLEY PUBLISHING	193.68
27174	TACOMA SCREW PRODUCTS INC	138.66
27175	TEAMSTER UNION LOCAL 231	3,485.12
27176	THE PARTS STORE	365.70
27177	TRUCK TOYS INC	394.21
27178	UNITED WAY OF SKAGIT COUNTY	100.00
27179	VERIZON WIRELESS	5,357.70
27180	VINCENT CICOTTE	134.96
27181	WA STATE DEPT OF HEALTH	612.00
27182 - EDI	WA STATE SUPPORT REGISTRY	844.89
27183 - EDI	WA STATE TREASURER	5,849.31
27184	WASHINGTON PUD ASSOCIATION	225.00
27185	ASTOUND BUSINESS SOLUTIONS LLC	552.19
27186	WESTERN CONFERENCE OF	22,962.65
27187	WESTSIDE CONCRETE ACCESSORIES	39.64
27188	WORK OUTFITTERS	212.67
27189 - EDI	ZIPLY FIBER	3,173.54
		198,811.19

As of September 5, 2023

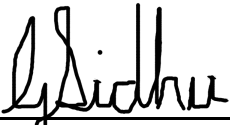
No. 3099


We, the undersigned Board of Commissioners of Public Utility District No. 1 of Skagit County, Washington, do hereby certify that the merchandise and /or services hereinafter specified have been received and are hereby approved for payment in the amount of \$1,700,291.36 this 5th day of September, 2023.

The total is comprised of the following:

Accounts Payable voucher No. from 27190 through 27230 in the amount of \$1,619,465.12, Electronic Funds Transfer in the amount of \$80,826.24. Payroll Electronic Funds Transfers and checks No. through in the amount of \$0.00.

Attest:



Manager


Auditor

President

Vice - President

Secretary

Date: 09/05/2023

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Voucher	Claimant	Amount
27190	A-1 SHREDDING INC	56.00
27191	AQUATIC INFORMATICS INC	235.00
27192	CERTIFIED LABORATORIES	483.02
27193 - EDI	CITY OF MOUNT VERNON	101.50
27194	CORE & MAIN LP	1,387.21
27195	SMOKEY POINT CONCRETE	1,312.42
27196	CUSTOM EMBROIDERY	33.31
27197	WA ST DEPT OF TRANSPORTATION	294.95
27198	DOUGLAS A STREETER	2,800.00
27199	E&E LUMBER INC	30.76
27200 - EDI	ELECTRONIC FEDERAL TAX PAYMENT	80,074.94
27201	ENVIRONMENTAL ABATEMENT	5,230.20
27202	FIRSTLINE COMMUNICATIONS INC	2,097.59
27203	VALLEY FREIGHTLINER INC	46.52
27204	GORILLA PROPETIES LLC	3,500.00
27205	HEIDI YEOMAN	122.52
27206	HISTORICAL RESEARCH ASSC INC	10,694.95
27207	ICONIX WATERWORKS (US) INC	735.14
27208	J & N NELSON PROPERTIES LLC	109.22
27209	KAPTEIN'S ACE HARDWARE	34.33
27210	KVA ELECTRIC, INC.	13,845.30
27211	LANE POWELL PC	4,551.25
27212	MARTIN MARIETTA MATERIALS	3,625.18
27213	MEGAN WILABY	229.31
27214	MOTOR TRUCKS INC	10,106.08
27215	MOUNT VERNON CHAMBER OF	900.00

Voucher	Claimant	Amount
27216 - EDI	NORTHWEST ADMINISTRATORS	649.80
27217	ORKIN LLC	95.73
27218	PAPE MACHINERY INC	7,365.90
27219	PLATT ELECTRIC SUPPLY	41.05
27220	POMP'S TIRE SERVICE INC	5,941.38
27221	SCARSELLA BROS INC	1,533,212.76
27222	SEATTLE PUMP & EQUIPMENT CO	1,537.54
27223	SEDRO WOOLLEY AUTO PARTS INC	31.28
27224	SKAGIT FARMERS SUPPLY	208.28
27225	STERLING HILL LLC	225.00
27226	Staheli Trenchless Consultants	5,680.00
27227	TRAVIS JOHNSON	117.91
27228	VERIZON WIRELESS	666.30
27229	WASTE MANAGEMENT OF SKAGIT	1,705.47
27230	YAO MA	176.26
		1,700,291.36



1415 Freeway Drive | Mount Vernon, Washington 98273 | (360) 424-7104 | SkagitPUD.org

September 12, 2023

MEMORANDUM

TO: Board of Commissioners
FROM: Mark Handzlik PE
SUBJECT: Cook Road Apartments Project Acceptance

Requested Action:
Acceptance of the Cook Road Apartments Project

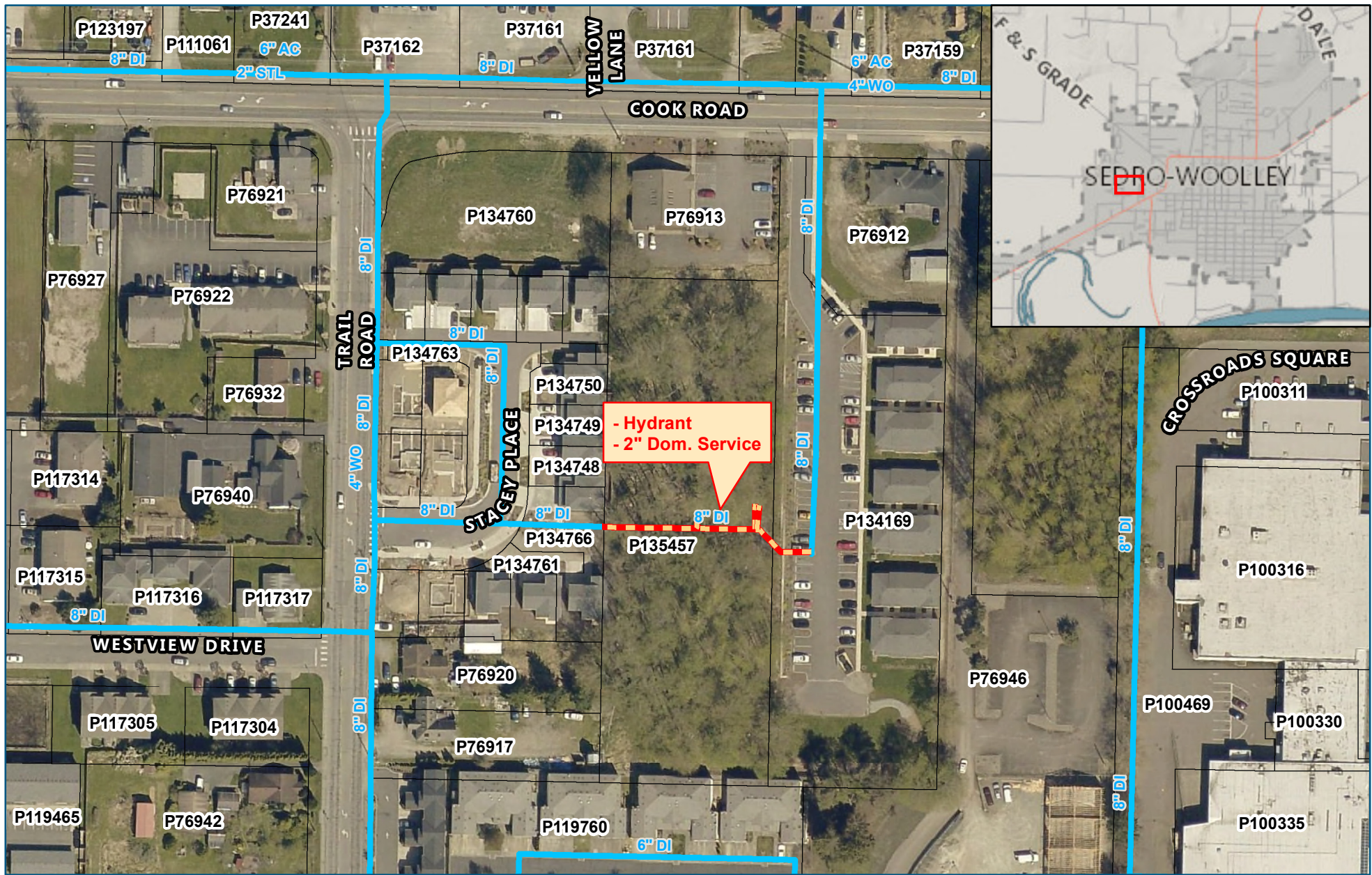
Background:

Reference: CP6632
Location: Sedro-Woolley
Developer: Rubicon Development LLC
Contractor: TD Alskog, Inc.

The PUD has approved the plans and specifications and has inspected the installation of the new water plant within the above project. The Engineering Department has received satisfactory pressure and bacteriological test results. All documentation for this project has been completed.

Fiscal Impact:
None.

Enclosures: 1. [Cook Rd Apts Acceptance.pdf](#)



Cook Road Apartments Project Acceptance



0 50 100 200 Feet

NAD 1983 StatePlane Washington North FIPS 4601 Feet
 Author: wilson
 8/30/2023

- Existing Main
- Awaiting Acceptance
- Parcels

Job Identity: CP6632

This map was created from available public records and existing map sources, not from field surveys. While great care was taken in this process, maps from different sources rarely agree as to the precise location of geographic features. The relative positioning of map features to one another results from combining different map sources without field verification.

The PUD #1 of Skagit County disclaims any warranty of merchantability or warranty of fitness of this map for any particular purpose, either expressed or implied. No representation or warranty is made concerning the accuracy, currency, completeness or quality of data depicted on this map. Any user of this map assumes all responsibility for use thereof, and further agrees to hold the PUD #1 of Skagit County harmless from any damage, loss, or liability arising from the use of this map.





1415 Freeway Drive | Mount Vernon, Washington 98273 | (360) 424-7104 | SkagitPUD.org

September 12, 2023

MEMORANDUM

TO: George Sidhu, P.E., General Manager

FROM: Mark Handzlik, P.E., Engineering Manger

SUBJECT: 9th and Highland Micro Hydro Project - Department of Commerce Contingent Grant Award - **Action**

Requested Action:

Authorize the General Manager to sign the Department of Commerce Clean Energy Fund Grant contingent award letter.

Background:

In 2011 the PUD undertook a project to examine electrical generation potential at various locations within our water system. Since that time, there has been success in taking one of those locations to implementation, that being the Division Digby Micro Hydro project. Another location the PUD has been pursuing is the 9th and Highland reservoir site where the pressure is reduced from Hydraulic Grade Line (HGL) 459 feet to HGL 219 feet. Currently this potential energy is dissipated through friction, noise, and springs.

Skagit PUD, in partnership with the Mount Vernon School District, has been pursuing funding opportunities to install an InPipe Energy micro-hydroelectric generating unit, called the InPRV, at the 9th and Highland Reservoir site. The InPRV unit would be installed to take the place of the existing mechanical pressure reducing valve (PRV). This installation is similar to the one that is located at the Division Street Reservoir booster pumping station that has been in operation since 2020.

In April of 2023 the PUD submitted a grant application to the Washington State Department of Commerce Clean Energy Fund 5, Rural Clean Energy Program, for the 9th and Highland project, and on August 28, 2023, the project was selected to receive \$598,000 in grant funding. The total estimated cost of the project is \$1,000,000, therefore approximately \$400,000 in additional funding is required. This is expected to come from the Trans Alta Coal Transition Fund or from IRS tax rebates applied directly to the PUD's annual tax burden.

Installing a micro-hydro generation unit at the 9th and Highland site was not feasible until the PUD was able to partner with the Mount Vernon School District to provide a community benefit. The power generated through the micro-hydro generation unit must be used on-site, or on the private side of the electrical meter and the PUD has very little electrical demand on site. However, by recognizing the benefit to the community and teaming up with the School District, their electrical demands at the high school can be reduced through consumption of the power that the PUD is unable to put to good use. The electrical demands of the school exceed the amount of power that will be generated, making the project feasible.

The final project will include the installation of the InPipe energy recovery unit to provide power to the school, and installation of five electrical vehicle charging stations on school property. Final configuration of the energy recovery unit ownership has not been settled. The electrical vehicle charging stations will become part of the School District's infrastructure which they will own and operate.

Puget Sound Energy has signaled approval of the program and will let it move forward through a net metering configuration to the Mount Vernon High School. The PUD is not anticipated to participate in funding any of the capital portions of the work.

If this Clean Energy grant is approved for execution, the next steps in this project will be to pursue additional funding, and to develop an agreement with the School District regarding the ownership and maintenance of the energy recovery unit.

Fiscal Impact:

The PUD will receive outside funding for 100% of the projects capital costs with funding to come from multiple third party sources. \$598,000 in funds will come from the Washington State Department of Commerce, Clean Energy Fund 5, Rural Clean Energy Grant. Sources for the matching \$400,000 are anticipated to come from either an IRS tax rebate, or a second grant award through the TransAlta Coal Transition program.

Enclosures: 1. [23-08-24 DocuSign_Contingent_Award_-_CEF_5_Rural_Ener.pdf](#)



STATE OF WASHINGTON
DEPARTMENT OF COMMERCE
1011 Plum Street SE • PO Box 42525 • Olympia, Washington 98504-2525 • (360) 725-4000
www.commerce.wa.gov

August 28, 2023

Public Utility District No. 1 of Skagit
1415 Freeway Dr.
Mt Vernon, WA 98273

Re: Contingent award of the Clean Energy Fund 5 Rural Energy 2023 Grant

Dear Public Utility District No. 1 of Skagit,

Congratulations! The Department of Commerce is conditionally awarding Public Utility District No. 1 of Skagit a grant under the Washington State Department of Commerce Clean Energy Fund 5 Rural Energy 2023 for the Mount Vernon High School Energy Recovery Demonstration. The award amount is not to exceed \$598,800.00. This award is made from State funding.

This award letter is contingent on no successful protests of the award decisions and the execution of a Grant Agreement with Commerce. Details such as obligations for deliverables, schedules, coordination and reporting will be negotiated.

In light of the contingent nature of this grant, we require a counter-signature below by an authorized Public Utility District No. 1 of Skagit official. We also require a commitment letter showing match has been secured as of the signing date below. Commerce will announce that the grant has been awarded, however no project information will be shared at this time, only apparent awards. Public Utility District No. 1 of Skagit, including its directors, employees and agents, agree to make no public statements regarding this award until the Grant Agreement is executed, unless Commerce provides prior consent.

Next Steps:

1. Sign and return this letter by 5:00 PM on September 11, 2023.
2. Jacque West will be your contract manager and will be assisted by Jane Lunbeck. They will contact you regarding next steps once your signed letter has been received.
3. Contracts will be processed in the order that completed pre-contract information is received.

If you have any questions, please call Jacque West at (360) 725-5085 or email us at cef@commerce.wa.gov.

Commerce looks forward to working with you and your team on this important project.

Sincerely,

Accepted on behalf of PUD No. 1 of Skagit:

DocuSigned by:
Signature: Jennifer Grove
7B8CBF83E1F34AE
Jennifer Grove, Managing Director
Energy Programs in Communities (EPIC)

Signature: _____
PUD No. 1 of Skagit, Representative

Date: 8/22/2023 | 5:46 PM PDT




Date: _____



FUND OBLIGATION, DE-OBLIGATION, CONTRACT APPROVAL ROUTING SLIP

ENERGY DIVISION | ENERGY PROGRAMS IN COMMUNITIES

FOR COMMERCE USE ONLY

REVIEWED BY	I VERIFY THAT:	INITIALS
PROGRAM MANAGER <i>Commerce Specialist 3</i>	<ul style="list-style-type: none"> Any and all changes made are within my delegated authority and responsibilities Fund source reviewed and contract amount approved If applicable, formula fund allocation spreadsheet emailed to appropriate staff, included with obligation memo <i>If routing a Fund Obligation Memo</i>, draft memo reviewed and approved by leadership prior to routing final memo in DocuSign for AD approval <i>If routing Contracts</i>, associated Fund Obligation Memo approved prior to routing contract or amendment. 	
TEAM SUPERVISOR <i>Commerce Specialist 5</i>	<ul style="list-style-type: none"> Any and all changes made are within my delegated authority and responsibilities Fund source, contract terms, scope of work reviewed and approved 	
BUDGET STAFF	<ul style="list-style-type: none"> Any and all changes made are within my delegated authority and responsibilities Reviewed allotment authority and coding Appropriate award paperwork in place, if applicable Reviewed contract/amendment entry in CMS 	N/A
SECTION SUPERVISOR <i>WMS 2</i>	<ul style="list-style-type: none"> Any and all changes made are within my delegated authority and responsibilities Contract terms, scope of work reviewed and approved 	
MANAGING DIRECTOR <i>Alternate: Assistant Managing Director on behalf of MD</i>	<ul style="list-style-type: none"> Any and all changes made are within my delegated authority and responsibilities Final review before appointing authority signature 	Signed on attached document
ASSISTANT DIRECTOR cc: Admin Assistant <i>Alternate: Deputy Assistant Director on behalf of AD</i>	<ul style="list-style-type: none"> Contract, amendment, or memo approved and signed by Appointing Authority 	N/A


Certificate Of Completion

Envelope Id: 14FD4B1C57514BF6B81A0D9379DA4C82	Status: Delivered
Subject: DocuSign: Contingent Award - CEF 5 Rural Energy 2023 Grant (PUD Skagit)	
Division:	
Energy	
Program: CEF	
ContractNumber: Contingent Award - CEF 5 Rural Energy 2023 Grant (PUD Skagit)	
DocumentType:	
Other	
Source Envelope:	
Document Pages: 2	Signatures: 1
Certificate Pages: 5	Initials: 3
AutoNav: Enabled	Envelope Originator:
Envelopeld Stamping: Enabled	Jane Lunbeck
Time Zone: (UTC-08:00) Pacific Time (US & Canada)	1011 Plum Street SE
	MS 42525
	Olympia, WA 98504-2525
	jane.lunbeck@commerce.wa.gov
	IP Address: 198.239.10.241


Record Tracking

Status: Original	Holder: Jane Lunbeck	Location: DocuSign
8/22/2023 9:24:01 AM	jane.lunbeck@commerce.wa.gov	
Security Appliance Status: Connected	Pool: StateLocal	
Storage Appliance Status: Connected	Pool: Washington State Department of Commerce	Location: DocuSign


Signer Events

Signer Events	Signature	Timestamp
Jacque West jacqueline.west@commerce.wa.gov Security Level: Email, Account Authentication (None)	 Signature Adoption: Pre-selected Style Using IP Address: 147.55.134.91	Sent: 8/22/2023 9:27:28 AM Viewed: 8/22/2023 9:44:04 AM Signed: 8/22/2023 9:44:22 AM


Electronic Record and Signature Disclosure:
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Hans Berg hans.berg@commerce.wa.gov Security Level: Email, Account Authentication (None)	 Signature Adoption: Pre-selected Style Using IP Address: 147.55.149.205	Sent: 8/22/2023 9:44:23 AM Viewed: 8/22/2023 2:00:55 PM Signed: 8/22/2023 2:01:25 PM
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Electronic Record and Signature Disclosure:
Not Offered via DocuSign

Lauris C. Mattson larry.mattson@commerce.wa.gov Security Level: Email, Account Authentication (None)	 Signature Adoption: Pre-selected Style Using IP Address: 147.55.149.175	Sent: 8/22/2023 2:01:26 PM Viewed: 8/22/2023 2:32:56 PM Signed: 8/22/2023 2:33:15 PM
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Electronic Record and Signature Disclosure:
Not Offered via DocuSign

Signer Events	Signature	Timestamp
Jennifer Grove jennifer.grove@commerce.wa.gov Security Level: Email, Account Authentication (None)	 <p>Signature Adoption: Pre-selected Style Using IP Address: 147.55.134.16</p>	<p>Sent: 8/22/2023 2:33:17 PM Viewed: 8/22/2023 5:46:23 PM Signed: 8/22/2023 5:46:33 PM</p>

Electronic Record and Signature Disclosure:
Not Offered via DocuSign

George Sidhu Sidhu@SkagitPUD.org General Manager Security Level: Email, Account Authentication (None)		<p>Sent: 8/22/2023 5:46:35 PM Viewed: 8/24/2023 10:53:02 AM</p>
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Electronic Record and Signature Disclosure:
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Editor Delivery Events	Status	Timestamp
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Agent Delivery Events	Status	Timestamp
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Intermediary Delivery Events	Status	Timestamp
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Certified Delivery Events	Status	Timestamp
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Carbon Copy Events	Status	Timestamp
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Spencer Nilsson spencer.nilsson@commerce.wa.gov Admin Lead Security Level: Email, Account Authentication (None)	<div style="border: 2px solid blue; padding: 5px; display: inline-block; font-weight: bold; color: blue; font-size: 1.2em;">COPIED</div>	<p>Sent: 8/22/2023 5:46:34 PM</p>
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Electronic Record and Signature Disclosure:
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Witness Events	Signature	Timestamp
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Notary Events	Signature	Timestamp
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Envelope Summary Events	Status	Timestamps
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Certified Delivered	Security Checked	8/24/2023 10:53:02 AM

Payment Events	Status	Timestamps
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Electronic Record and Signature Disclosure
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If you decide to receive notices and disclosures from us electronically, you may at any time change your mind and tell us that thereafter you want to receive required notices and disclosures only in paper format. How you must inform us of your decision to receive future notices and disclosure in paper format and withdraw your consent to receive notices and disclosures electronically is described below.

Consequences of changing your mind

If you elect to receive required notices and disclosures only in paper format, it will slow the speed at which we can complete certain steps in transactions with you and delivering services to you because we will need first to send the required notices or disclosures to you in paper format, and then wait until we receive back from you your acknowledgment of your receipt of such paper notices or disclosures. Further, you will no longer be able to use the DocuSign system to receive required notices and consents electronically from us or to sign electronically documents from us.

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Unless you tell us otherwise in accordance with the procedures described herein, we will provide electronically to you through the DocuSign system all required notices, disclosures, authorizations, acknowledgements, and other documents that are required to be provided or made available to you during the course of our relationship with you. To reduce the chance of you inadvertently not receiving any notice or disclosure, we prefer to provide all of the required notices and disclosures to you by the same method and to the same address that you have given us. Thus, you can receive all the disclosures and notices electronically or in paper format through the paper mail delivery system. If you do not agree with this process, please let us know as described below. Please also see the paragraph immediately above that describes the consequences of your electing not to receive delivery of the notices and disclosures electronically from us.

How to contact Washington State Department of Commerce:

You may contact us to let us know of your changes as to how we may contact you electronically, to request paper copies of certain information from us, and to withdraw your prior consent to receive notices and disclosures electronically as follows:

To contact us by email send messages to: docusign@commerce.wa.gov

To advise Washington State Department of Commerce of your new email address

To let us know of a change in your email address where we should send notices and disclosures electronically to you, you must send an email message to us at docusign@commerce.wa.gov and in the body of such request you must state: your previous email address, your new email address. We do not require any other information from you to change your email address.

If you created a DocuSign account, you may update it with your new email address through your account preferences.

To request paper copies from Washington State Department of Commerce

To request delivery from us of paper copies of the notices and disclosures previously provided by us to you electronically, you must send us an email to docusign@commerce.wa.gov and in the body of such request you must state your email address, full name, mailing address, and telephone number. We will bill you for any fees at that time, if any.

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To inform us that you no longer wish to receive future notices and disclosures in electronic format you may:

- i. decline to sign a document from within your signing session, and on the subsequent page, select the check-box indicating you wish to withdraw your consent, or you may;
- ii. send us an email to docusign@commerce.wa.gov and in the body of such request you must state your email, full name, mailing address, and telephone number. We do not need any other information from you to withdraw consent.. The consequences of your withdrawing consent for online documents will be that transactions may take a longer time to process..

Required hardware and software

The minimum system requirements for using the DocuSign system may change over time. The current system requirements are found here: <https://support.docusign.com/guides/signer-guide-signing-system-requirements>.

Acknowledging your access and consent to receive and sign documents electronically

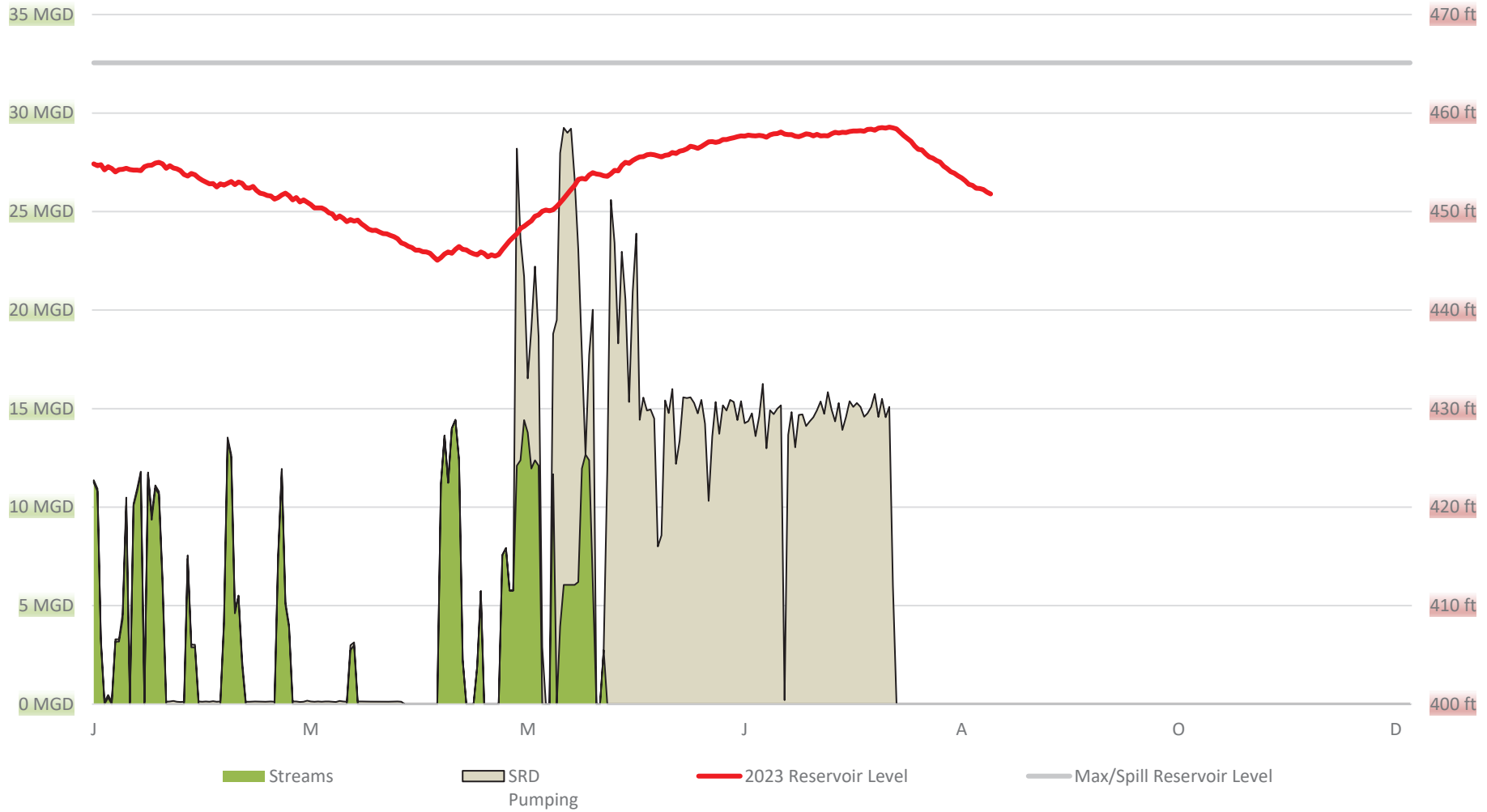
To confirm to us that you can access this information electronically, which will be similar to other electronic notices and disclosures that we will provide to you, please confirm that you have read this ERSD, and (i) that you are able to print on paper or electronically save this ERSD for your future reference and access; or (ii) that you are able to email this ERSD to an email address where you will be able to print on paper or save it for your future reference and access. Further, if you consent to receiving notices and disclosures exclusively in electronic format as described herein, then select the check-box next to ‘I agree to use electronic records and signatures’ before clicking ‘CONTINUE’ within the DocuSign system.

By selecting the check-box next to ‘I agree to use electronic records and signatures’, you confirm that:

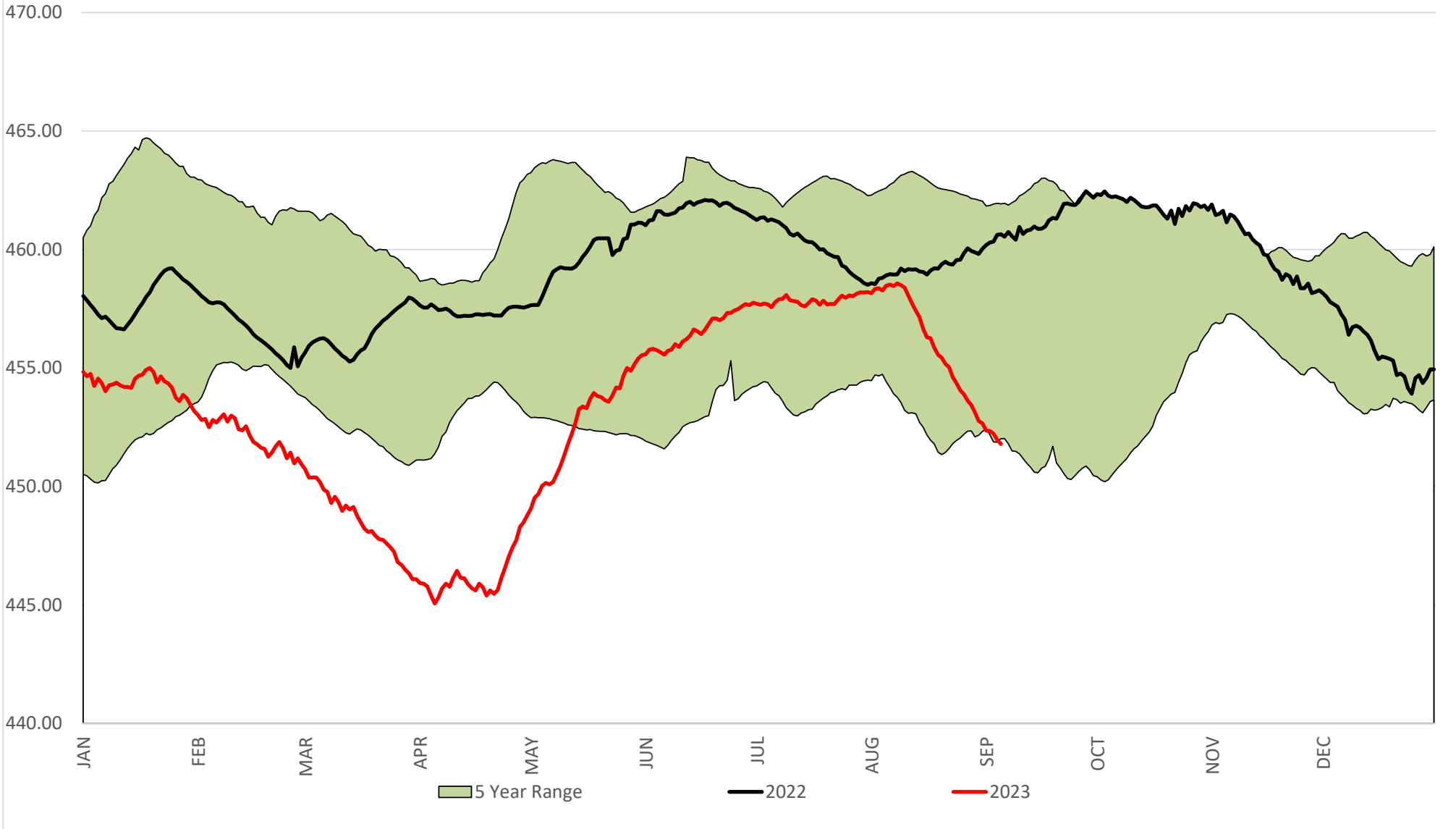
- You can access and read this Electronic Record and Signature Disclosure; and
- You can print on paper this Electronic Record and Signature Disclosure, or save or send this Electronic Record and Disclosure to a location where you can print it, for future reference and access; and
- Until or unless you notify Washington State Department of Commerce as described above, you consent to receive exclusively through electronic means all notices, disclosures, authorizations, acknowledgements, and other documents that are required to be provided or made available to you by Washington State Department of Commerce during the course of your relationship with Washington State Department of Commerce.

2023 Judy Reservoir Inflows & Elevation

August 30 Elevation:	453.12 (ft)
September 06 Elevation:	451.79 (ft)
Change in Elevation:	-1.33 (- 16.0 Inches)
Spillway Elevation:	465.10
Stream Inflow YTD:	511.34 MG
Skagit River YTD:	1449.46 MG



5-YEAR JUDY RESERVOIR ELEVATIONS



https://www.goskagit.com/news/local_news/skagit-pud-breaks-ground-on-new-administration-building/article_a2445c06-3b9a-11ee-9cb6-d3cf4f2245d1.html

Skagit PUD breaks ground on new administration building

BRANDON STONE @Brandon_SVH

Aug 15, 2023



Mount Vernon Mayor Jill Boudreau speaks Tuesday during a groundbreaking ceremony for the Skagit Public Utility District's new administration building. With her are PUD General Manager George Sidhu and the district's board of commissioners.

Brandon Stone / Skagit Valley Herald

MOUNT VERNON — The Skagit Public Utility District kicked off construction Tuesday of its new 23,000-square-foot headquarters.



This facility has been six years in the making. The project has been delayed by the COVID-19 pandemic and reevaluated due to supply chain issues and rising construction costs, General Manager George Sidhu said at a groundbreaking ceremony.

There, Sidhu thanked staff, the district's board of commissioners and the city of Mount Vernon for their contributions.

If everything stays on schedule, staff should be able to move into the building in early 2025, he said.

The \$22.2 million project will bring much-needed space and modern amenities to the county's primary water provider.

Comer General Contractors was selected to lead construction, with a \$16 million bid.

The building is located on the north side of the PUD's existing building off Freeway Drive in Mount Vernon. The project includes a new driveway and parking lot.

"The cool thing is we'll get to see this building being built from our windows," Sindhu said.



He said funding comes partly from \$12 million in bonds taken out in 2019, from customers' bills and from district reserves.

The district will continue to use most of its existing building, but plans to vacate about 8,500 square feet of office space on the north side.

The district plans to seek a tenant for that space.

Brandon Stone can be reached at bstone@skagitpublishing.com, 360-416-2112, Twitter: @Brandon_SVH

Brandon Stone



https://www.goskagit.com/news/local_news/skagit-public-utility-district-declares-emergency-over-broken-water-pump/article_a239677a-3c4d-11ee-bc26-573940c11767.html

Skagit Public Utility District declares emergency over broken water pump

BRANDON STONE @Brandon_SVH
Aug 16, 2023





The Skagit Public Utility District Board of Commissioners declared an emergency Tuesday in response to a broken water pump at Judy Reservoir, and approved a plan to fix it.

Until the district is able to replace a failed transformer and bring the pump back online, the PUD won't be able to pump water from the Skagit River into the reservoir.

Water in the reservoir comes from the river and from streams that feed into the reservoir.

But PUD leadership said the reservoir is full, and customers shouldn't experience interruptions in water service.

"We feel fairly confident we'll be fine for a number of months," General Manager George Sidhu said.



Sidhu said he's not sure how much repairs will cost. A replacement could cost \$500,000, but the cost of installation is unknown.

Judy Reservoir is the primary water source countywide, serving customers in Mount Vernon, Burlington, Sedro-Woolley and elsewhere.

During the summer, when streamflow is low, the utility relies on a series of pumps to pull water out of the river and into the reservoir.

On Aug. 1, PUD staff tested the oil in the failing pump's transformer and found indications the pump was failing. It was taken offline Aug. 10.

Sidhu said he was told a replacement transformer would take about nine months to build.

A procurement firm has access to a replacement.

But this transformer produces an uncommon voltage, and it will likely be sold to another buyer if the district doesn't act fast, he said.

A declaration of emergency allows Sidhu to bypass the district's standard bidding process, so he can approve a purchase as soon as the transformer is available.

The board allowed Sidhu to spend up to \$1 million without getting additional approval.

Delivery should take four to six weeks, and installation may take another few months, Sidhu said.

The district has agreements with Anacortes — which manages its own water — that it will use to offset pulling water from Judy Reservoir.



The commissioners supported this proposal unanimously, saying they trusted Sidhu and staff to handle this quickly.

"I have no doubt that you'll spend what it takes and not a penny more," Commissioner Andrew Miller said.

Brandon Stone can be reached at bstone@skagitpublishing.com, 360-416-2112, Twitter: @Brandon_SVH

Brandon Stone





1415 Freeway Drive | Mount Vernon, Washington 98273 | (360) 424-7104 | SkagitPUD.org

September 12, 2023

MEMORANDUM

TO: Board of Commissioners
FROM: George Sidhu, P.E., General Manager
SUBJECT: Summary of SRD Transformer Replacement

Requested Action:
Information Only

Background:
N/A

Fiscal Impact:
N/A

Enclosures:

1. [Resolution 2299-23](#)
2. [KVA Scopes of Work](#)

RESOLUTION NO. 2299-23

A RESOLUTION OF THE COMMISSION OF PUBLIC UTILITY DISTRICT NO. 1 OF SKAGIT COUNTY, WASHINGTON, DECLARING AN EMERGENCY RELATED TO THE FAILURE OF THE POWER TRANSFORMER AT THE SKAGIT RIVER DIVERSION

WHEREAS, the Skagit River Diversion (SRD) is an essential piece of infrastructure used to pump raw water from the Skagit River into the Judy Reservoir during periods when low flows in the four mountains streams do not allow for diversion; and

WHEREAS, Washington State has made an Emergency Drought Declaration for 12 counties, including Skagit, on July 24, 2023, and we are expected to see high temperatures and high water demands in the coming week; and,

WHEREAS, the operation of the SRD is critical during this period of peak water demands when the drought is in effect for most of the PUD's service area; and

WHEREAS, the power transformer at the SRD had to be removed from service on August 10 after an oil sample indicated that electricity was arcing inside the transformer; and

WHEREAS, we do not have the ability to operate the pumps at the SRD, and there is no way to divert raw water into Judy Reservoir from the tributary streams because of low instream flows; and

WHEREAS, the construction of a replacement transformer has an approximately 40 week delivery time, during which the pumps will be inoperable; and,

WHEREAS, an existing transformer has been located as a potential replacement, but we would need to act quickly in order to procure it and secure delivery; and,

NOW, THEREFORE, BE IT RESOLVED, that on the basis of the foregoing facts, the Board of Commissioners of Public Utility District No. 1 of Skagit County, Washington, declares an emergency caused by the failed power transformer at the SRD; and

BE IT FURTHER RESOLVED, the Board authorizes the General Manager to waive bidding requirements related to RCW 39.04.280 and exercise such emergency powers as may be lawful and necessary under applicable laws, regulations, ordinances, or the District's policies, including by way of example and not limitation: RCW 54.16.100 (PUD General Manager Powers), RCW 54.16.190 (General Resolutions), RCW 39.04.280(3) for emergency procurement, and Chapter 39.28 RCW (Emergency Public Works); and

BE IT FURTHER RESOLVED, the General Manager is authorized during this emergency to exercise such lawful authority through the use and direction of District personnel, services, equipment and such additional acts as the General Manager may find necessary in his sole discretion to properly and safely manage this emergency which may include but is not limited to: make necessary rules and regulations reasonably related to the emergency, obtain supplies, equipment, personal property, professional, procured or technical services, etc. (including selecting and awarding such contracts as necessary), such public works as defined by RCW 39.04.010, to waive competitive biddings requirements as necessary, to adjust work schedules for staff, to authorize overtime and/or extended leave for personnel, to determine and assign essential personnel to maintain the District's necessary functions, obtain emergency funding and permitting through federal, state and local agencies, and take such other lawful acts as may be necessary and reasonably related to the emergency situation declared hereunder; and

BE IT FURTHER RESOLVED, the Board authorizes an increase to the General Manager's spending limit authority during this emergency from \$120,000 to \$1,000,000 without prior approval in order to make necessary purchases and to enter into contracts and incur obligations in order to combat the emergency. As soon as practicable, the

General Manager will advise the Board of any obligations that have been entered into under the authority of this resolution; and

BE IT FURTHER RESOLVED, this Resolution shall continue in full force and effect until terminated by law or until the Board withdraws such authority; and shall be reviewed as a regular agenda item at the Board's meetings until such time as this Resolution is terminated; and

BE IT FURTHER RESOLVED, this Resolution is not intended to establish a precedent for how similar emergency situations will be addressed in the future.

ADOPTED by the Commission of Public Utility District No. 1 of Skagit County, Washington, at an open public meeting held this 15th day of August 2023.



Joe Lindquist, President



Andrew Miller, Vice President

ATTEST



Corrin Hamburg, Secretary



KVA ELECTRIC, Inc.

13933 Jim Creek Road Arlington, WA 98223 (360) 403-8301 Fax (360) 435-6145

Skagit PUD

Transformer DGA Analysis



KVA ELECTRIC, Inc.

13933 Jim Creek Road Arlington, WA 98223 (360) 403-8301 Fax (360) 435-6145

July 13, 2023

Skagit PUD
Kurt Van Burkleo
(360) 848-4467

Reference: Transformer DGA Analysis

Dear Mr. Van Burkleo,

With over 50 years of experience maintaining and repairing substations, KVA Electric's technicians can provide you with quality maintenance, repair, assembly, inspection, testing, troubleshooting, and consulting of all substation electrical equipment.

KVA Electric, Inc. is pleased to provide this quote as requested:

SCOPE OF WORK

KVA will provide personnel, material and services to receive a Dissolved Gas Analysis (DGA) sample on one (1) 12,470D-4160/2400V Pacific Crest Transformer located at the Skagit County Water Treatment Plant.

The following is a basic outline of the work to be performed:

- Mobilize personnel and equipment to site
- Site safety/Access
- Retrieve Oil sample
 - The following oil tests will be performed on the oil sample:
 - D-3612C Dissolved Gases
 - D-1533 Moisture
 - D-971 Interfacial Tension
 - D-974 Acid
 - D-1500 Color
 - D-1524 Visual
 - D-877 Dielectric
 - D-924 Power Factor, 25 deg. C
 - D-924 Power Factor, 100 deg. C

*KVA will send the DGA sample under a standard service order and will provide the oil analysis report with recommendations within 10-15 days of the Laboratory receiving the sample.



KVA ELECTRIC, Inc.

13933 Jim Creek Road Arlington, WA 98223 (360) 403-8301 Fax (360) 435-6145

Provided by KVA in conjunction with the scope of work:

1. DGA sampling supplies
2. Transformer inspection report with findings and recommendations

Provided by others:

1. Site access/Safety

SCHEDULE

The estimated on-site duration is 1 day.

QUOTE

KVA Electric is pleased to provide the following quote based upon the scope of work detailed above:

TOTAL: \$3,702.00

- Price includes travel and per diem.
- Does not include applicable sales tax.
- Price based on normal work hours M-Th, 7am-5:30pm.
- Includes reporting.
- Standby time billed at \$600/hr.

KVA Electric appreciates the opportunity to work with you. Please contact me with any questions regarding this quote or other services available from KVA Electric, Inc.

Best Regards,

Ivy Bonell
Project Developer
360-403-8301
Ivy@kvaelectric.com



KVA ELECTRIC, Inc.

13933 Jim Creek Road Arlington, WA 98223 (360) 403-8301 Fax (360) 435-6145

Skagit PUD

Supply Replacement Transformer

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KVA ELECTRIC, Inc.

13933 Jim Creek Road Arlington, WA 98223 (360) 403-8301 Fax (360) 435-6145

August 15, 2023

Kurt Van Burkleo
Skagit PUD
(360) 848-4467

Reference: Supply Replacement Transformer

Dear Mr. Van Burkleo,

With over 50 years of experience maintaining and repairing substations, KVA Electric's technicians can provide you with quality maintenance, repair, assembly, inspection, testing, troubleshooting, and consulting of all substation electrical equipment.

KVA Electric, Inc. is pleased to provide this quote as requested:

SCOPE OF WORK

KVA will provide personnel, equipment and services to supply, ship, deliver and offload (1) one new old stock 7.5MVA 12.47D - 4160Y/2402V ABB transformer in an effort to replace the failed transformer located in Sedro Woolley, WA.

This proposal is for supplying a replacement transformer only. This proposal does not include the demo and removal of the existing transformer or the assembly and post testing of the replacement transformer. The demo and install of this proposed refurbished transformer will be captured in a separate proposal.

The following is a basic outline of the work to be performed:

- Mobilize to site
- Site safety/access
- Verify LOTO/clearing and grounding
- Perform receiving inspections on the replacement transformer
- Offload replacement transformer to site
- Tear down/cleanup
- Demobilize

Refurbished Replacement Transformer Specifications:

MVA: 7.5 3-Ph Substation Class Transformer

HV: 12.47 D, 110kV BIL

LV: 4160 Y 2402, 75kV BIL

HV Taps: 13090, 12780, 12470, 12160, 11850

HV Bushings: (3) Studs (Threaded)



KVA ELECTRIC, Inc.

13933 Jim Creek Road Arlington, WA 98223 (360) 403-8301 Fax (360) 435-6145

HV Termination: Exposed/Top ANSI 3
LV Bushings: (3) Studs (Threaded)
LV Termination: Exposed/Top ANSI 1
LV Neutral Bushings: (1) Stud (Threaded)
LV Neutral Termination: Exposed/Top ANSI 1
Fluid: Mineral Oil
Frequency: 60 Hz
Temperature Rise: 65 Deg. C
Cooling Class: ONAN/ONAF
Conductor: Cu / Cu
Features & Accessories:

- a. Drain & Sample Valve
- b. Dial-Type Thermometer with Contacts
- c. Liquid Level Gauge
- d. Pressure Relief Valve
- e. Pressure Vacuum Gauge
- f. Winding Temperature Indicator
- g. Sudden Pressure Relay
- h. Auxiliary Control Cabinet

Comments and Clarifications:

Transformer Warranty:

1. 3 years Transformer warranty through the manufacture/supplier.
2. 12 Months installation service warranty through KVA.

Unit will be refurbished, fully tested and filled with new mineral oil.

Excluded:

1. Removal and disposal of the existing transformer
2. Installation of replacement transformer
3. Site civil work or site modifications – not limited to the following
 - a. Remove/replace/modify concrete transformer pad
 - b. Rerouting of conduit or conductors
 - c. Oil clean up
 - d. Ground grid repair

Provided by KVA in conjunction with the scope of work:

1. New replacement transformer
2. Transformer electrical test reports
 - o Pre shipped
3. Transformer heavy hauling
4. Crane to set transformer on pad



KVA ELECTRIC, Inc.

13933 Jim Creek Road Arlington, WA 98223 (360) 403-8301 Fax (360) 435-6145

Provided by others:

2. Site access/Safety
3. LOTO/Clearing and Grounding

SCHEDULE

Transformer lead time: 4-6 weeks

Standard freight transit time: 5-7 working days.

The estimated duration to complete the work above is 1-2 days not including travel to and from site.

QUOTE

KVA Electric is pleased to provide the following estimate based upon the scope of work detailed above:

Total: \$466,348.00

- Does not include applicable sales tax.
- Price based on normal work M-Th, 7am-5:30pm.
- Includes reporting.
- Does not include bonding.
- Standby time billed at \$600/hr.
- This quote is valid for 5 days unless otherwise negotiated.

KVA Electric appreciates the opportunity to work with you. Please contact me with any questions regarding this quote or other services available from KVA Electric, Inc.

Best Regards,

Ivy Bonell
360-403-8301
Ivy@kvaelectric.com



KVA ELECTRIC, Inc.

25829 Jim Creek Road Arlington, WA 98223 (360) 403-8301 Fax (360) 435-6145

August 28, 2023

Kurt Van Burkleo
Skagit PUD
(360) 848-4467

Reference: Remove Transformer Oil and Explosive Gases

Dear Mr. Van Burkleo,

With over 50 years of experience maintaining and repairing substations, KVA Electric's technicians can provide you with quality maintenance, repair, assembly, inspection, testing, troubleshooting, and consulting of all substation electrical equipment.

KVA Electric, Inc. is pleased to provide this quote as requested:

SCOPE OF WORK

KVA will provide personnel, equipment and services to remove the transformer oil and explosive gas that are currently inside the failed deenergized 5,000 KVA transformer at the Skagit PUD Water Lift Plant located in Sedro Woolley, WA.

The following is a basic outline of the work to be performed:

- Mobilize to site
- Site safety/access
- Verify LOTO/clearing and grounding
- Safely purge the explosive gases that have accumulated above the oil within the failed transformer. Replace the transformers tank space with Nitrogen Gas.
- Safely pump approximately 750 gallons of contaminated oil from the failed transformer to oil totes on KVA's trucks and disposed of the oil following Federal, State and Industry requirements.
- Tear down/cleanup
- Demobilize

Comments and Clarifications:

The title to the failed transformer and its contents passes from Skagit PUD to KVA Electric, Inc.



KVA ELECTRIC, Inc.

25829 Jim Creek Road Arlington, WA 98223 (360) 403-8301 Fax (360) 435-6145

Provided by others:

1. Site access/Safety
2. LOTO/Clearing

SCHEDULE

Friday, August 25, 2023

QUOTE

KVA Electric is pleased to provide the following quote based upon the scope of work detailed above:

Total: **\$ 8,710.02**

- Price includes travel.
- Does not include applicable sales tax.
- Price based on normal work M-Th, 7am-5:30pm.
- Includes reporting.
- Standby time billed at \$600/hr.
- This quote is valid for 5 days unless otherwise negotiated.

KVA Electric appreciates the opportunity to work with you. Please contact me with any questions regarding this quote or other services available from KVA Electric, Inc.

Best Regards

Kevin

Kevin T. Duncan
President & General Manager
KVA Electric, Inc.
13933 Jim Creek Road
Arlington, WA 98223
O (360) 403-8301
C (425) 344-2544
FAX (360) 435-6145
www.kvaelectric.com



1415 Freeway Drive | Mount Vernon, Washington 98273 | (360) 424-7104 | SkagitPUD.org

September 12, 2023

MEMORANDUM

TO: George Sidhu, P.E., General Manager
FROM: Mike Fox, Operations Manager
SUBJECT: WAT21569 Skagit River Diversion (SRD) Transformer Replacement

Requested Action:

Declare the Pacific Crest transformer (serial #PMH-0434) located at the SRD pump station as surplus and transfer ownership of the transformer to KVA Electric, Inc.

Background:

The SRD Pacific Crest power transformer (serial #PMH-0434) located at 25227 S. Skagit Hwy, Sedro-Woolley, WA, 98284, manufactured August 2007, and put in service in 2012, was removed from service on August 10, 2023, due to explosive gases detected in an oil sample taken from the transformer on August 1 by KVA Electric, Inc.

KVA Electric now requires ownership of the transformer to properly dispose of the transformer and oil and be treated for PCB contamination even if no PCBs are detected. Under Resolution #2299-23, the general manager has authority and emergency power to authorize actions, such as surplus and transferring ownership, as deemed necessary in his sole discretion to properly and safely manage the failure of the SRD transformer.

Fiscal Impact:

The cost to remove and properly dispose of the oil and treatment of the transformer is included in the total approximate cost of \$466,348.00, as detailed in the scope of work related to the supply replacement of the SRD transformer provided by KVA Electric.

kvb

- Enclosures:
 1. Pacific Crest Transformer
 2. Remove, Transport, and Disposal of Failed Transformer Scope of Work

XFMR-1



PACIFIC CREST TRANSFORMERS

KVA **5000/6667** ONAN/ONAF-LESS FANS **65** °C RISE

HV **12470 DELTA** BIL **95** KV

LV **4160Y/2400 (RATED @ 925.2 AMPS)** BIL **60** KV

3 PHASE **60** Hz TRANSFORMER, **5.61** % IZ AT BASE KVA RATING

AL HV **AL** LV COND. ELEMENT **9398** LBS. TOTAL WEIGHT **21650** LBS.

737 GAL TYPE II OIL AT **5439** LBS. LEVEL CHANGES **.57** INCH PER 10°C.

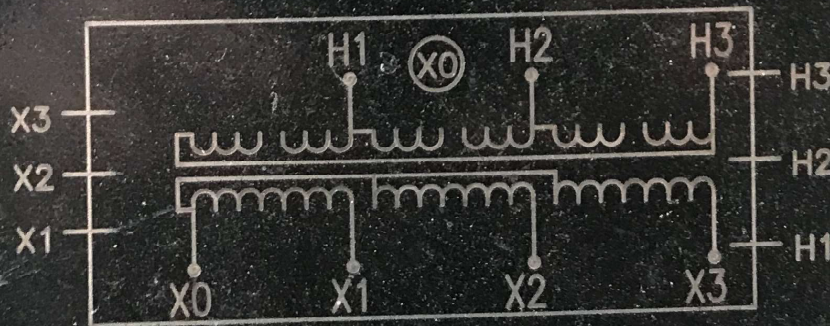
FLUID LEVEL **10.5** INCHES FROM TOP OF HAND HOLE AT 25°C.

MAX TANK PRESS. POS **10.0** NEG **8.0** PSI

SERIAL # **PMH-0434** DATE OF MFG: **08/07**

INSTRUCTION REFERENCE MANUAL 1B9.210
CONTAINS NO DETECTABLE LEVEL OF PCB (LESS THAN 2PPM) AT THE TIME OF MANUFACTURE

TAPS	A	B	C	D	E		
VOLTS	13094	12782	12470	12158	11847		
AMPS	294.0	301.1	308.7	316.6	324.9		





KVA ELECTRIC, Inc.

25829 Jim Creek Road Arlington, WA 98223 (360) 403-8301 Fax (360) 435-6145

August 31, 2023

Kurt Van Burkleo
Skagit PUD
(360) 848-4467

Reference: Remove, Transport and Disposal of the 5,000 kVA Failed Transformer at the Skagit PUD Water Lift Plant, Sedro Woolley, WA

Dear Mr. Van Burkleo,

With over 50 years of experience maintaining and repairing substations, KVA Electric's technicians can provide you with quality maintenance, repair, assembly, inspection, testing, troubleshooting, and consulting of all substation electrical equipment.

KVA Electric, Inc. is pleased to provide this quote as requested:

SCOPE OF WORK

KVA will provide personnel, equipment and services to disconnect and safely lift, remove and transport the failed transformer from the Skagit PUD Water Lift Plant located in Sedro Woolley, WA.

The following is a basic outline of the work to be performed:

- Mobilize two trucks and tool trailer to site.
- Site safety/access.
- Verify LOTO/clearing and grounding.
- Safely disconnect the transformers high voltage electrical connections
- Disconnect transformers high voltage throat connections.
- Safely disconnect the transformers low voltage electrical connections.
- Disconnect transformers low voltage throat connections.
- Lift transformer and set on KVA's flatbed truck.
- disposed of the transformer and oil following Federal, State and Industry requirements.
- Tear down/cleanup.
- Demobilize.



KVA ELECTRIC, Inc.

25829 Jim Creek Road Arlington, WA 98223 (360) 403-8301 Fax (360) 435-6145

Comments and Clarifications:

The title to the failed transformer and its contents passes from Skagit PUD to KVA Electric, Inc.

Provided by others:

1. Site access.
2. LOTO/Clearing.
3. Crane lifting and traffic control.

SCHEDULE

TBD

QUOTE

KVA Electric is pleased to provide the following quote based upon the scope of work detailed above: Total: **\$ 31,363.72**

- Price includes travel.
- Does not include applicable sales tax.
- Price based on normal work M-Th, 7am-5:30pm.
- Includes reporting.
- Standby time billed at \$600/hr.
- This quote is valid for 5 days unless otherwise negotiated.

KVA Electric appreciates the opportunity to work with you. Please contact me with any questions regarding this quote or other services available from KVA Electric, Inc.

Best Regards

Kevin

Kevin T. Duncan
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