

A G E N D A
GRANT COUNTY PUBLIC UTILITY DISTRICT
Via Conference Call
+1 509-703-5291 Conference ID: 678 050 6#
COMMISSION MEETING
Tuesday, June 23, 2020

An Executive Session may be called at any time for purposes authorized
by the Open Public Meetings Act

- 9:00 a.m.** Commission Convenes
Review and Sign Vouchers
- 10:00 a.m.** Reports from Staff
- 12:00 Noon** Lunch
- 1:00 p.m.** Safety Briefing
Pledge of Allegiance
Attendance
Public requests to discuss agenda items/non-agenda items
Correspondence
Business Meeting

1. Consent Agenda

Approval of Vouchers

Meeting minutes of June 9, 2020

2. Regular Agenda

3. Review Items For Next Business Meeting

Resolution XXXX – Superseding Resolution No. 8879 Relating to Amending Rate Schedules No. 2, No. 6 and Fee Schedule.

Motion authorizing the General Manager/CEO, on behalf of Grant PUD, to execute Change Order No. 6 to Contract 430-4151 with Jack R Benjamin and Associates, increasing the not-to-exceed contract amount by \$510,000.00, for a new contract total of \$1,500,000.00, extending the contract completion date to December 31, 2021 and resetting the delegated authority levels to the authority granted to the General Manager/CEO per Resolution No. 8609 for charges incurred as a result of Change Order No. 6. (xxxx)

4. Calendar

5. Reports from Staff (if applicable)

2:00 p.m. 2020 Integrated Resource Plan (IRP) Public Workshop

Adjournment

CONSENT AGENDA

Draft – Subject to Commission Review

REGULAR MEETING OF PUBLIC UTILITY DISTRICT NO. 2 OF GRANT COUNTY

June 9, 2020

The Commission of Public Utility District No. 2 of Grant County, Washington, convened at 9:00 a.m. via Microsoft Teams Meeting / +1 509-703-5291 Conference ID: 678 050 #6 with the following Commissioners present: Tom Flint, President; Larry Schaapman, Vice-President; Judy Wilson, Secretary; Dale Walker, Commissioner; and Nelson Cox, Commissioner.

The Commission convened to review vouchers and correspondence.

The Commission recessed at 9:10 a.m.

The Commission resumed at 9:50 a.m.

The Commission further discussed voucher payments with Auditor, Dmitriy Turchik.

An executive session was announced at 10:00 a.m. to last until 10:30 a.m. to review performance of a public employee with legal counsel present pursuant to RCW 42.30.110(1)(g). The executive session concluded at 10:30 a.m. and the regular session resumed.

A round table discussion was held regarding the following topics: system reliability update; COVID protocol; recent co-worker to co-worker podcast recognizing life saving efforts performed by Colby Claussen, Wanapum Dam Hydro Mechanic; scheduling inquiry regarding the Organizational Development quarterly business report; and Crescent Bar request for 4th of July fireworks display.

Tom Dresser, Fish & Wildlife Manger, presented the Fish and Wildlife report.

Brett Lenz, Cultural Resources Manager, presented the Cultural Resources Program report.

John Mertlich, Senior Manager FP&A and Lisa Stites, Senior Financial Analyst, provided the Strategic Plan Dashboard review.

Trade association / committee reports were reviewed.

The Commission recessed at 11:52 a.m.

The Commission resumed at 1:00 p.m.

Consent agenda motion was made Mr. Schaapman and seconded by Mr. Cox to approve the following consent agenda items:

Payment Number	102694	through	103000	\$6,903,278.67
Payroll Direct Deposit	159900	through	160598	\$1,832,408.55
Payroll Tax and Garnishments	20200604A	through	20200604B	\$ 811,735.59

Meeting minutes of May 26, 2020.

After consideration, the above consent agenda items were approved by unanimous vote of the Commission and signatures were affirmed.

Correspondence was noted from Mac and Mase McKay regarding fiber connectivity.

Motion was made by Mr. Schaapman and seconded by Mr. Cox authorizing the General Manager/CEO, on behalf of Grant PUD, to execute Change Order No. 2 to Contract 230-08636 with IMCO General Construction Inc., increasing the not-to-exceed contract amount by \$661,685.40 for a new contract total of \$34,044,427.40 and resetting the delegated authority levels to the authority granted to the General Manager/CEO per Resolution No. 8609 for charges incurred as a result of Change Order No. 2. After consideration, the motion passed by unanimous vote of the Commission.

Motion was made by Mr. Cox and seconded by Mr. Schaapman authorizing the General Manager/CEO, on behalf of Grant PUD, to execute Change Order No. 13 to Contract 430-3207 with Washington State Department of Fish and Wildlife (WDFW), increasing the not-to-exceed contract amount by \$1,076,843.00, for a new contract total of \$9,560,520.67, extending the contract completion date to June 30, 2021 and resetting the delegated authority levels to the authority granted to the General Manager/CEO per Resolution No. 8609 for charges incurred as a result of Change Order No. 13. After consideration, the motion passed by unanimous vote of the Commission.

Motion was made by Mr. Cox and seconded by Mrs. Wilson authorizing the General Manager/CEO, on behalf of Grant PUD, to execute Contract 430-09499A with PBS Engineering and Environmental Inc., in an amount not-to-exceed \$2,000,000.00 and with a contract completion date of December 31, 2025. After consideration, the motion passed by unanimous vote of the Commission.

Motion was made by Mr. Cox and seconded by Mrs. Wilson authorizing the General Manager/CEO, on behalf of Grant PUD, to execute Contract 430-09499B with Erlandsen & Associates, Inc., in an amount not-to-exceed \$1,500,000.00 and with a contract completion date of December 31, 2025. After consideration, the motion passed by unanimous vote of the Commission.

The Commissioners reviewed future agenda items.

The Commission calendar was reviewed.

Andrew Munro, Senior Manager of External Affairs and Communications, and Chuck Allen, Communications Supervisor, presented the Community Engagement Activity report.

Dale Walker discussed his interest in a "Rate Holiday" which would involve a 4% reduction in the basic charge for core customer classes through end of year. A discussion was held on the pros and cons of implementing this rate reduction. Commissioner Walker made a motion to implement the short term rate reduction as proposed. The motion failed for lack of a second.

The Commission recessed at 2:55 p.m.

The Commission resumed at 3:10 p.m.

An executive session was announced at 3:10 p.m. to last until 4:30 p.m. to review negotiations on the performance of a contract with legal counsel present pursuant to RCW 42.30.110(1)(d) and to review performance of a public employee with legal counsel present pursuant to RCW 42.30.110(1)(g). The executive session concluded at 4:30 p.m. and the regular session resumed.

An additional executive session was announced at 4:30 p.m. to last until 4:45 p.m. to review performance of a public employee with legal counsel present pursuant to RCW 42.30.110(1)(g). The executive session concluded at 4:45 p.m. and the regular session resumed.

There being no further business to discuss, the June 6 meeting officially adjourned at 4:45 p.m.

Tom Flint, President

ATTEST:

Judy Wilson, Secretary

Larry Schaapman, Vice President

Dale Walker, Commissioner

Nelson Cox, Commissioner

REGULAR AGENDA

For Commission Review – 06/23/2020

RESOLUTION NO. XXXX

A RESOLUTION SUPERSEDING RESOLUTION NO. 8879 RELATING TO AMENDING
RATE SCHEDULE NO. 2, NO. 6, AND FEE SCHEDULE

Recitals

1. Pursuant to RCW 54.16.040, Grant PUD is authorized to regulate and control the use, distribution, rates, service, charges, and price of electric energy;
2. Resolution No. 8879 previously adopted Rate Schedule Nos. 1, 2, 3, 6, 7, 14, 15, 16, and 85;
3. The General Manager and Grant PUD staff recommend amending Grant PUD Rate Schedule No. 2 as set forth in Exhibit A;
4. The General Manager and Grant PUD staff recommend amending Grant PUD Rate Schedule No. 6 as set forth in Exhibit B; and
5. The General Manager and Grant PUD staff recommend amending Grant PUD Fee Schedule as set forth in Exhibit C.

NOW, THEREFORE, BE IT RESOLVED by the Commission of Public Utility District No. 2 of Grant County, Washington that Rate Schedule Nos. 2, 6 and the Fee Schedule are effective and amended as set forth in Exhibits A, B & C.

PASSED AND APPROVED by the Commission of Public Utility District No. 2 of Grant County, Washington, this 14th day of July, 2020.

President

ATTEST:

Secretary

Vice President

Commissioner

Commissioner



Resolution No. ~~XXXX~~
Exhibit A

Deleted: 8879

RATE SCHEDULE No. 2 **GENERAL SERVICE**

Rates shown on the Rate Schedules are set by the Grant PUD Commission and are subject to change at the discretion of the Commission.

AVAILABLE:

Rate Schedule No. 2: To accounts with loads not exceeding 500 kW (as measured by Billing Demand) for general service, commercial, multi-residential and miscellaneous outbuilding lighting, heating and power (excepting irrigation service) requirements.

Rate Schedule No. 2F: To single-phase loads not exceeding 500 watts as determined from the equipment's UL listing.

EFFECTIVE: With meter readings on and after July 14, 2020.

MONTHLY BILLING RATE: Bills received by the customers will be based on the following:

Rate Schedule No. 2 & 2F

Basic Charge:	Single-phase	\$0.70 per day
	Three-phase	\$1.04 per day
Energy Charge:	First 10,000 kWh	\$0.04245 per kWh
	Additional kWh	\$0.04245 per kWh

Minimum Charge: \$4.05 per kW of Billing Demand, applicable to loads of 100 kW and above, but not less than the Basic Charge.

Deleted: April

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Deleted: 2018

Deleted: , usage will be prorated to the new rates based on number of days after March 31, 2018...

Usage in kWh for the Energy Charge in Rate Schedule 2F is calculated by using the maximum watts listed by UL on the device X hours per billing period / 1000= kWh.

Deleted: \$0.70 per day for single-phase service or \$1.04 per day for three-phase servicethe

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BILLING DEMAND: The Billing Demand under this schedule shall be the larger of the following demand factors:

- a) The contract demand, if any.
- b) The highest 15-minute demand during the billing period as determined by demand meter. Metered demand will be adjusted up to 95 percent power factor on accounts having reactive meters.

TAX ADJUSTMENT: The amounts of any tax levied by any city or town, in accordance with RCW 54.28.070, of the Laws of the State of Washington, will be added to the above charges.

SERVICE: Subject to terms and conditions of Grant PUD's Customer Service Policies, as periodically amended.

Deleted: the district's



Resolution No. XXXX
 Exhibit B

Deleted: 8879

RATE SCHEDULE No. 6
STREET LIGHTING SERVICE

Rates shown on the Rate Schedules are set by the Grant PUD Commission and are subject to change at the discretion of the Commission.

CONVENTIONAL STREET LIGHTING:

AVAILABLE: To political subdivisions of the State of Washington and agencies of the Federal Government providing lighting; and to qualified non-profit corporations, license under RCW Chapter 24.03, providing streetlights to platted residential subdivisions consisting of not less than five permanent single-family residences. Service is to be extended upon authorized application, provided security acceptable to the District, is made available to secure payment for services rendered.

Deleted: street lights

EFFECTIVE: July 14, 2020

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MONTHLY RATE:

Conventional Group 1	\$9.34	Conventional Group 2	\$12.65
*5,800 Lumen High Pressure Sodium (70 Watt) 16,000 Lumen High Pressure Sodium (150 Watt) <u>Up to 105 Watt LED</u>		22,000 Lumen High Pressure Sodium (200 Watt) *27,000 Lumen High Pressure Sodium (250 Watt) <u>106-185 Watt LED</u>	
Conventional Group 3	\$17.86	Conventional Standards¹	
50,000 Lumen High Pressure Sodium (400 Watt) <u>186-310 Watt LED</u>		25' - 30' ** \$5.46 35' - 40' ** \$7.55	
*Rate applicable only to existing lights.		** Mounting height of lamps.	

Deleted: (400 Watt)

¹Standards are an additional charge over and above the monthly rate for conventional light fixtures.

DECORATIVE STREET LIGHTING:

AVAILABLE: To municipalities only for enhancement of central shopping and contiguous business areas.

MONTHLY RATE:

Decorative Unit 1	\$41.67	Decorative 1A	\$22.19
Tapered post, two plain arms with acorn globes.		Two modified plain arms with acorn globes.	
Decorative Unit 2	\$42.84	Decorative Unit 2A	\$24.84
Fluted post, two filigreed arms with acorn globes.		Two modified filigreed arms with acorn globes.	
OPTIONS¹:		COST PER UNIT	
REFLECTOR & REFRACTORS, pair		\$2.95	
POWER: - <u>Up to 35</u> Watt two lamps		\$0.77	
- <u>36 - 70</u> Watt two lamps		\$1.44	
- <u>71 - 150</u> Watt two lamps		\$2.95	

¹Reflector/Reflector and Power costs are additional charges over and above monthly Decorative Unit rates.

TAX ADJUSTMENT: The amounts of any tax levied by any city or town, in accordance with RCW 54.28.070, of the Laws of the State of Washington, will be added to the above charges.



Resolution No. ~~XXXX~~
Exhibit B

SERVICE: Subject to terms and conditions of ~~Grant PUD's~~ Customer Service Policies, as periodically amended.

Deleted: 8879

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Exhibit C

CUSTOMER SERVICE POLICIES
TEE SCHEDULE

Fees shown on the Fee Schedule are set by the Grant PUD Commission and are subject to change at the discretion of the Commission.

Customer Service Policy Section	Item	Fee
2.15	Revenue Protection and Power Diversion Fees	Actual Damages
2.15 B	Meter Resealing Fee	\$50.00
<u>4.5.1.A</u>	<u>Line Extension Fees:</u> Permanent Service maximums: \$10,000. per Residence on Schedule 1 \$25,000. per account on Schedule 2 \$40,000. per account on Schedule 3 \$200,000. per account on Schedule 7 (up to 500 KVA)	<u>Seventy-five percent (75%) of the Estimated Line Extension fee for Permanent Service. Plus 100% of the cost in excess of the applicable maximum amount listed.</u>
4.5.1.B	Simple Service Extension	\$300.00
4.5.1 D	Construction Temporary Service	\$60.00
5.4.7	Meter Obstruction Fee	Basic Charge
5.6.1	Net Metering Application Fee	\$300.00
6.1	Manual Meter Read	Installation Cost - \$250.99 Meter Read - \$64.34 per month
6.8	Return Check Fee	\$20.00
6.11	Late Payment Charge	Minimum of \$5 or 2%
6.12	Account Service Charge	\$10.00
6.13	After-Hours Fee	\$150.00
6.18.1	Disconnect Fee	\$ 50.00
6.19	Door Tag Fee	\$ 50.00

- Deleted: 4.5.1.A
- Deleted: Permanent Service
- Deleted: Seventy-five percent (75%) of the Estimated Extension Cost for Permanent Service
- Deleted: One hundred
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Resolution XXXX

[Exhibit C](#)

CUSTOMER SERVICE POLICIES
EEE SCHEDULE

Fees shown on the Fee Schedule are set by the Grant PUD Commission and are subject to change at the discretion of the Commission.

8.1	Application Fee	New Demand Load Request	
		0.5 MW to 2 MW	\$2,500
		Up to 10 MW	\$6,500
		Up to 20 MW	\$15,000
		Up to 40 MW	\$52,000
		Over 40 MW (*require different process)	\$21,000
8.5 B	Redundant Capacity Charge	Monthly charge of \$0.85 per kW	

Grant County Public Utility District
Calculation of the Net Present Value of the Proposed Savings
by Changing Existing Streetlights to LED Streetlights Excludes Moses Lake

<u>Description</u>	Installation Savings	Electric Cost Savings	Total Savings
	(1)	(2)	(3)
	\$	\$	\$
Year 1	28,510	39,173	67,683
Year 2	28,510	39,173	67,683
Year 3	28,510	39,173	67,683
Year 4	28,510	39,173	67,683
Year 5	28,510	39,173	67,683
Year 6	28,510	39,173	67,683
Year 7	28,510	39,173	67,683
Year 8	28,510	39,173	67,683
Year 9	28,510	39,173	67,683
Year 10	28,510	39,173	67,683
	<u>285,100</u>	<u>391,730</u>	<u>676,830</u>

Net Present Value of Total Savings **497,681**

Used the Transmission COSS Weighted Cost of Capital of 6.02% as the Discount Percentage to calculate the net present value of Total Savings

MEMORANDUM

June 23, 2020

TO: Kevin Nordt, General Manager/Chief Executive Officer

VIA: Dave Churchman, Chief Customer Officer

FROM: Rich Cole, Energy Service Specialist
Bob Brill, Rates and Pricing Economist
Terry Mckenzie, Sr. Manager, Customer Solutions

SUBJECT: General Service Rate Schedule 2, Street Lighting Rate Schedule 6, and Fee Schedule

Purpose: To request Commission approval of revised General Service Rate Schedule 2, Street Lighting Service Rate Schedule 6, and the Fee Schedule

Background: Customer Solutions and Rates & Pricing are recommending changes to General Service Rate Schedule 2, Street Lighting Service Rate Schedule 6, and the Fee Schedule. The modification to Rate Schedule 2 would add a new fee schedule for small devices that consume energy but do not justify the cost of a meter. The change to Rate Schedule 6 would add LED into the Street Lighting schedule in response to recent interest from cities within the County. Changes to the Fee Schedule corrects fees associated with Customer Service Policy Section 4.5.1.A.

Rate Schedule 2 Discussion: Currently, the PUD has 20 Rate Schedule 2F customers with 282 active service agreements in Grant County. This calculation methodology has been the PUD's historical practice; however, staff believes it was never properly adopted into Rate Schedule 2. Grant PUD's business practice of billing a flat rate for energy usage for non-metered infrastructure started with the City of Warden when they constructed a streetlight in 1956. Since that time, the flat rate calculation appropriate for certain infrastructure (i.e.; streetlights, security cameras, communication boosters, and Grant PUD equipment) was continued. This rate calculation is used in instances where the equipment uses very little energy so that estimating consumption is a more cost-effective method than metering the energy. The proposed changes to Rate Schedule 2 documents the use of a flat rate and describes how that rate is calculated. The charges for Rate Schedule 2F are the same as those for Rate Schedule 2, however the kWh energy usage is estimated based on the equipment and calculated at the time the customer requests service. The estimated energy usage is entered in the Customer Information System for billing purposes.

Rate Schedule 6 Discussion: The Cities within Grant County PUD's operational area expressed a desire to have current conventional lights changed to LED. Streetlight technology, cost and availability has changed over the years. LED lights have a longer life span which lowers the maintenance costs. The energy consumption of an LED light is less than 50% of the energy consumed by an equivalent conventional High-Pressure Sodium (HPS) streetlight. LED lights have the capability of having different color output from the "Cool" (bluish light) to the "Warm"

(yellow light) and anywhere in between. LED lights can be controlled to dim (or brighten) during a time period which saves further energy.

Updating Rate Schedule 6 to include LED's clarifies the rates charged to customers that choose to convert or install LED streetlights. Staff is not proposing any change to the existing rate blocks currently reflected on Rate Schedule 6.

Fee Schedule Discussion: This change corrects the fee schedule referenced in the Customer Service Policy on Line Extension Fees, 4.5.1.A to change from "up to 2500 KVA" to "up to 500 KVA". This modification was missed after previous resolution approval of Section 8 of the Customer Service Policy. Section 8 addresses charges for Rate 7 customers above 500 KVA. Rate 7 customers over 500 kVA now pay 100% of service facility costs per the existing unchanged policies in Section 8 of the Customer Service Policy. Rate 7 customers below 500KVA will continue to pay 75% of the estimated line extension cost.

This change to the fee schedule corrects the statement "One hundred percent (100%) of the Estimated Extension Cost plus 100% of the cost in excess of the applicable maximum amount listed." to now read "Seventy-five percent (75%) of the Estimated Extension Cost plus 100% of the cost in excess of the applicable maximum amount listed." With this update the Fee Schedule and the Customer Service Policy align.

Economic Analysis Rate Schedule 6: Washington State Transportation Improvement Board is offering a grant for LED lighting funding for smaller cities within the County to cover all costs to switch existing lighting to LED lighting. Under this program, Grant PUD replacement costs are eligible to be reimbursed by the State for LED streetlights. Cities apply for the grant, Grant PUD would perform or contract out the work to replace the bulbs, and the PUD would be compensated for its costs including fully loaded labor and materials. Several cities in the County have expressed interest in applying for the grant.

Grant PUD maintains (and primarily owns) the streetlights and charges the cities under Rate Schedule 6. Replacing existing lights with LED's has the following benefits:

1. Virtually all streetlights are on a flat rate therefore any energy savings accrue to the PUD while retail revenue under Rate Schedule 6 will remain nearly the same.
2. The longer lifespan of LED's (10-years compared to 3-5 years for existing lighting) will significantly reduce O&M cost of replacement. Once the LED streetlights are in place, staff estimates the net present value of savings to be approximately \$497,000 over a ten-year period (see Exhibit D). This amount includes both installation and electric cost savings.
3. GPUD can claim the energy efficiency savings under I-937.

Recommendation: To request Commission approval of;

- 1) Revised Rate Schedule 2, incorporating 2F
- 2) Revised Rate Schedule 6, incorporating LED, and
- 3) Revised Fee Schedule related to Customer Service Policy Section 4.5.1.A.

Legal Review: See attached e-mail(s).

From: [Terry Mckenzie](#)
To: [Robbie Noga](#)
Subject: RE: Approval Needed
Date: Wednesday, June 10, 2020 3:20:51 PM

Robbie, I approve.

From: Robbie Noga <Rnoga@gcpud.org>
Sent: Wednesday, June 10, 2020 2:56 PM
To: Terry Mckenzie <Tmckenz@gcpud.org>
Cc: Jennifer Rathbun <jrathbun@gcpud.org>
Subject: Approval Needed

Hi Terry, Can you please approve the memo via e-mail?

Thank you,
Robbie

For Commission Review – 06/23/2020

Motion was made by _____ and seconded by _____ authorizing the General Manager/CEO, on behalf of Grant PUD, to execute Change Order No. 6 to Contract 430-4151 with Jack R. Benjamin and Associates, increasing the not-to-exceed contract amount by \$510,000.00, for a new contract total of \$1,500,000.00, extending the contract completion date to December 31, 2021 and resetting the delegated authority levels to the authority granted to the General Manager/CEO per Resolution No. 8609 for charges incurred as a result of Change Order No. 6. (xxxx)

MEMORANDUM

Date: June 3, 2020

TO: Kevin Nordt, General Manager

VIA: Richard Wallen, Chief Operating Officer

Ty Ehrman, P.E., Managing Director of Power Production *Ty Ehrman*
Dale Campbell, P.E., Senior Manager of Power Production Engineering *Dale Campbell*
Rebecca Simpson, Manager of Dam Safety Engineering *Rebecca Simpson*
Kevin Marshall, P.E., Outgoing Chief Dam Safety Engineer *Kevin Marshall*
Brandon Little, P.E., Incoming Chief Dam Safety Engineer *Brandon R. Little*

FROM: Zach Ruby, P.E., Dam Safety Engineer

SUBJECT: Contract 430-4151, Change Order No. 6

Purpose: To request Commission approval of Change Order No. 6 for Contract 430-4151, Jack R. Benjamin Associates, Inc., to increase the total contract price from \$990,000 to \$1,500,000 and extend the contract completion date to December 31, 2021.

Discussion: The District is committed to performing seismic analyses of the Priest Rapids Project embankments. The District and several consultants have been performing detailed seismic fragility, life safety, and seismic risk analyses for the Wanapum left embankment. The seismic fragility analysis includes a Senior Seismic Hazard Analysis Committee (SSHAC) Level 3 study. This project began following the completion of the mid-Columbia Probabilistic Seismic Hazard Analysis (PSHA, 2012) and has been led by Dr. Martin McCann of Jack R. Benjamin Associates, Inc. (JBA) since that time.

Along with JBA, other projects participants include a four-member Technical Integration (TI) Team with a supporting geotechnical consultant, a three-member Participatory Peer Review Panel (PPRP), and a three-member Risk Review Board (RBB).

The analyses being performed are very detailed and have covered new ground technically in evaluating the fragility of the Wanapum left embankment. While the scope has not changed, the rigorous level of detail for the analyses along with peer reviews and regulatory coordination have impacted the schedule and fee. The additional time and funds being requested in this Change Order are intended to take the project to successful completion. That is, to complete the fragility, life safety, and risk analyses and to perform a Risk Informed Decision Making (RIDM) evaluation based on the results of those analyses. We anticipate that the life safety analysis will be completed third quarter 2020, the fragility analysis first quarter 2021, the risk analysis second quarter of 2021, and the RIDIM evaluation fourth quarter 2021.

Justification: The seismic fragility, life safety, and seismic risk analyses are required to quantify the probability and consequences of an embankment breach resulting in an uncontrolled release of the reservoir (URR).

- The seismic fragility and risk analyses consider uncertainties in the data and models used to evaluate the performance of the embankment during and after a seismic event. Identifying and quantifying these uncertainties helps the District better understand and appropriately respond to the associated risks. Using this method will likely result in a solution that is more cost effective and better protects against an uncontrolled release of the reservoir than other methods.

- If the project is not continued to completion, our regulator may require remedial measures without adequately understanding the seismic performance of the embankment and downstream consequences of a potential breach. In such a case, the required remediation may be both overly conservative on the one hand while not addressing the actual performance issues on the other. If this option was selected it would lead to an immediate deterministic analysis to assess remediation options for the left embankment. The cost for this option was estimated at \$110M to \$200M in 2011. The estimate has not been revised since that time, but Douglas PUD is estimating a similar remediation at Wells Dam to be \$500M. This option is not recommended.

Financial Considerations:

- No other alternatives have been considered. This is a continuation of a project that the FERC has been monitoring since completion of the 2012 PSHA. The FERC expectation is that the District will continue to apply probabilistic analysis techniques in the seismic evaluation of the Wanapum left embankment.
- This work is currently included in the 2020 District budget under Budgetary Contract No. 1100-05, PID 103088, Cost Center EB5300.
- The work will be added to the 2021 budget to accommodate completion of the project.

Change Order History: See attached change order table.

- See attached change order table.

Legal Review: See attached email.

Recommendation: Commission approval of Change Order No. 6 to Contract 430-4151 to increase the total contract price from \$990,000 to \$1,500,000 and extend the contract completion date to December 31, 2021.

CHANGE ORDER
NO. 6

Pursuant to Section 5, the following changes are hereby incorporated into this Contract:

- A. Description of Change: Increase the Contract Price and extend the Contract completion date.
- B. Time of Completion: The revised completion date shall be December 31, 2021.
- C. Contract Price Adjustment: As a result of this Change Order, the not to exceed Contract Price shall be increased by the sum of \$510,000.00 plus applicable sales tax. This Change Order shall not provide any basis for any other payments to or claims by the Contractor as a result of or arising out of the performance of the work described herein. The new total revised maximum Contract Price is \$1,500,000.00, including changes incorporated by this Change Order.
- D. Except as specifically provided herein, all other Contract terms and conditions shall remain unchanged.

Public Utility District No. 2
of Grant County, Washington

Jack R Benjamin & Associates

Accepted By: _____

Accepted By: _____

Name: _____

Name: _____

Title: _____

Title: _____

Date: _____

Date: _____



Change Order Table

Contract Title: SSHAC Process Facilitator for Embankment Seismic Hazard Evaluations

Contract No.	430-4151	Award Date:	11/2/2015
Project Manager:	Zach Ruby	Original Contract Amount:	NTE \$75,000.00
District Representative (If Different):		Original Contract completion:	6/30/2017
Contractor:	Jack R. Benjamin Associates, Inc.	Total CO Cost Change Amt	\$915,000.00

CO#	Change Description	Approved by	Executed Date	Revised Completion Date	Cost Change Amount	Revised Contract Amount	Authority Level Tracking
1	Increase contract price for ongoing work	Dept Mgr	03/17/16	N/A	\$100,000.00	\$175,000.00	\$100,000.00
2	Increase contract price for ongoing work and extend completion date	Director	10/26/16	12/31/17	\$400,000.00	\$575,000.00	\$500,000.00
3	Extend completion date	Sr Mgr/Plant Mgr	12/21/17	12/31/19	\$0.00	\$575,000.00	\$500,000.00
4	Increase contract price	Comm	09/18/18	N/A	\$325,000.00	\$900,000.00	\$825,000.00
5	Increase the Contract Price and extend the Contract completion date.	Sr Manager	12/03/19	12/31/20	\$90,000.00	\$990,000.00	\$90,000.00
6	Increase the Contract Price and extend the Contract completion date.	Comm		12/31/21	\$510,000.00	\$1,500,000.00	\$600,000.00
Total Change Order Cost Change Amount					1,425,000.00		

June 2020

June 2020						
Su	Mo	Tu	We	Th	Fr	Sa
7	1	2	3	4	5	6
14	8	9	10	11	12	13
21	15	16	17	18	19	20
28	22	23	24	25	26	27
	29	30				

July 2020						
Su	Mo	Tu	We	Th	Fr	Sa
5	6	7	1	2	3	4
12	13	14	8	9	10	11
19	20	21	15	16	17	18
26	27	28	22	23	24	25
			29	30	31	

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
May 31	Jun 1	2	3	4	5	6
7	8	9 10:00am Randalynn Hovland Commission Meeting (Teams Meeting) - Randalynn Hovland	10	11	12	13 10:00am Crescent Bar Condominium Master Association homeowners meeting (Crescent Bar / Tower Pizza
14	15	16	17	18 8:00am Randalynn Hovland Safety Days (Details included in text below) - Randalynn Hovland	19	20
21	22 10:00am Port of Moses Lake - Community Outreach (Virtual Meeting - Invite link will be sent directly from Port of ML	23 10:00am Randalynn Hovland Commission Meeting (Teams Meeting) - Randalynn Hovland	24 8:00am Energy Northwest Executive Board Meeting & Board of Directors Meeting (Portland, OR)	25 8:00am Energy Northwest Executive Board Meeting & Board of Directors Meeting (Portland, OR)	26	27
28	29	30	Jul 1	2	3	4

July 2020

July 2020							August 2020						
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4							1
5	6	7	8	9	10	11	2	3	4	5	6	7	8
12	13	14	15	16	17	18	9	10	11	12	13	14	15
19	20	21	22	23	24	25	16	17	18	19	20	21	22
26	27	28	29	30	31		23	24	25	26	27	28	29
							30	31					

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Jun 28	29	30	Jul 1	2	3 8:00am Randalynn Hovland HOLIDAY - Randalynn Hovland	4
5	6	7	8	9	10	11
12	13 1:00pm nelson cox Commission Meeting (Microsoft Teams Meeting) - nelson cox	14 10:00am Randalynn Hovland Commission Meeting (HQ-Commission) - Randalynn Hovland	15 11:00am WPUDA July Association Meetings (Judy) (Virtual Meetings (Judy)) - Commission Meetings	16 8:00am WPUDA July Association Meetings (Judy) (Virutal Meeting (Judy)) - Commission Meetings	17 8:00am WPUDA July Association Meetings (Virutal Meeting (Judy))	18
19	20	21 8:30am Randalynn Hovland Commission Strategic Planning Workshop (EHQ Conf Room E) - Randalynn Hovland	22	23	24	25
26	27	28 10:00am Randalynn Hovland Commission Meeting 12:00pm Lunch with County Commissioners (TBD)	29 8:00am Energy Northwest Executive Board Meeting & Board of Directors Meeting	30 8:00am Energy Northwest Executive Board Meeting & Board of Directors Meeting	31	Aug 1

August 2020

August 2020							September 2020						
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
						1			1	2	3	4	5
2	3	4	5	6	7	8	6	7	8	9	10	11	12
9	10	11	12	13	14	15	13	14	15	16	17	18	19
16	17	18	19	20	21	22	20	21	22	23	24	25	26
23	24	25	26	27	28	29	27	28	29	30			
30	31												

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Jul 26	27	28	29	30	31	Aug 1
2	3	4	5	6	7	8
9	10	11 10:00am Randalynn Hovland Commission Meeting (HQ-Commission) -	12	13	14	15
16	17	18	19	20	21	22
23	24	25 10:00am Randalynn Hovland Commission 12:00pm Lunch with County	26 8:00am Energy Northwest Executive Board Meeting & Board of Directors	27 8:00am Energy Northwest Executive Board Meeting & Board of Directors	28 8:00am Energy Northwest Executive Board Meeting & Board of Directors	29
30	31	Sep 1	2	3	4	5