

**A G E N D A**  
**GRANT COUNTY PUBLIC UTILITY DISTRICT**  
**30 C Street SW – Commission Meeting Room**  
**Ephrata, Washington**  
**COMMISSION MEETING**  
**Tuesday, December 13, 2022**

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

- 9:00 a.m.** Commission Convenes
- 9:30 a.m.** Reports from staff  
Review and Sign Vouchers
- 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 November 22, 2022

9001 – Resolution Appointing a Representative and Alternates to the Board of Directors of the Washington Public Utility Districts’ Association.

9002 – Resolution Appointing a Representative and Alternates to the Board of Directors of Energy Northwest.

9003 – Resolution Appointing a Representative and Alternates to the Board of Directors of the Central Washington Power Agency.

**2. Regular Agenda**

9004 – Resolution Establishing New Rate Schedule No. 19 – Commercial Fast Charging Electric Vehicle Service.

9005 – Resolution Amending Rate Schedule No. 17.

9006 – Resolution Superseding Resolution Nos. 8879, 8944 and 9005, Relating to Amending Rate Schedules Nos. 1, 2, 3, 6, 7, 14, 15, 16, 17 and 85.

9007 – Resolution Authorizing the Execution of a Collective Bargaining Agreement Between the Grant PUD and Local Union 77 of the International Brotherhood of Electrical Workers.

Motion naming the following slate of officers effective January 1, 2023 and shall remain in effect until the next election of officers: (3429)

President	Nelson Cox
Vice President	Tom Flint
Secretary	Terry Pyle
Commissioner	Larry Schaapman
Commissioner	Judy Wilson

Motion authorizing the General Manager/CEO, on behalf of Grant PUD, to execute Change Order No. 19 to Contract 230-08636 with IMCO General Construction, Inc., increasing the not-to-exceed contract amount by \$3,131,666.00 for a new contract total of \$60,981,690.20 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. 19. (3430)

**3. Calendar**

**4. Reports from Staff (if applicable)**

**Adjournment**

# **CONSENT AGENDA**

# Draft – Subject to Commission Review

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

November 22, 2022

The Commission of Public Utility District No. 2 of Grant County, Washington, convened at 9:00 a.m. at Grant PUD's Main Headquarters Building, 30 C Street SW, Ephrata, Washington and via Microsoft Teams Meeting / +1 509-703-5291 Conference ID: 596 502 173# with the following Commissioners present: Judy Wilson, President; Nelson Cox, Vice-President; Tom Flint, Secretary; Terry Pyle, Commissioner and Larry Schaapman, Commissioner.

The Commission convened to review vouchers and correspondence.

A round table discussion was held regarding the following topics: early morning Schwana; early LPPC Post Election Forum and legislative meetings; Commission request for cost and completion date of South Ephrata substation; voucher inquiry regarding recent furniture purchases, Bernardo Wills invoice including language regarding Grant PUD standards, purchase of recreation vehicles, and concern from the Commission regarding due diligence prior to procuring major purchases; and request for workshop regarding connection costs.

Ron Roth, Senior Safety Coordinator, presented the Safety Report.

Julie Pyper, Senior Manager of PMO, provided the PMO Report.

Randi Hovland, Executive Services Coordinator, led a discussion regarding 2023 officers and trade association representation.

Trade association and committee reports were reviewed.

An executive session was announced at 11:25 a.m. to last until 11:40 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 11:40 a.m. and the regular session resumed.

The Commission attended a lunch meeting with executive staff and the X-energy Leadership team.

Benjamin Gagnon, CFO, Bitfarms Ltd., spoke in opposition to Rate Schedule No. 17.

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

Payment Number	126306	through	126740	\$24,386,728.42
Payroll Direct Deposit	206909	through	207655	\$2,235,279.27
Payroll Tax and Garnishments	20221116A	through	20221116B	\$896,002.07

Meeting minutes of November 8, 2022.

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

Resolution No. 9000 relative to adopting the budget for the year 2023 and corresponding financial forecast was presented to the Commission. Motion was made by Mr. Flint and seconded by Mr. Cox to approve Resolution No. 9000. After consideration, the motion passed by unanimous vote of the Commission.

RESOLUTION NO. 9000A RESOLUTION ADOPTING A BUDGET FOR THE YEAR 2023 AND CORRESPONDING  
FINANCIAL FORECASTRecitals

1. Pursuant to RCW 54.16.080 notice of filing, and date and place of hearing on the proposed budget for the District for the year 2023 was published for at least two consecutive weeks in a newspaper printed and of general circulation in the County;
2. The Preliminary Proposed Budget was approved by Commission Resolution No. 8994 on August 23<sup>rd</sup>, 2022;
3. Three public information meetings on the proposed budget were held as follows:
 

October 11, 2022 – 2:00 p.m.	at GCPUD HQ, Ephrata, WA
October 11, 2022 – 6:00 p.m.	Virtual Microsoft Teams Meeting
October 13, 2022 – 6:00 p.m.	at Port of Quincy, Quincy, WA
4. Grant PUD considered public comments and letters relating to the proposed budget; and
5. The General Manager / CEO and Grant PUD staff are of the opinion that the revised budget and forecast, attached hereto as Exhibits A and B, are proper for Grant PUD for the year 2023 and recommend its adoption by the Commission.

NOW, THEREFORE, BE IT RESOLVED by the Commission of Public Utility District No. 2 of Grant County, Washington as follows:

Section 1: The budget, attached as Exhibit A, is hereby adopted by Grant PUD for the year 2023.

Section 2: The Financial Forecast, attached as Exhibit B is hereby adopted to reflect Grant PUD's financial planning parameters for year 2023 and future years.

PASSED AND APPROVED by the Commission of Public Utility District No. 2 of Grant County, Washington, this 22<sup>nd</sup> day of November, 2022.

Motion was made by Mr. Cox and seconded by Mr. Flint authorizing the General Manager/CEO to execute Change Order No. 1 to Contract 230-11155 with Archaeological and Historical Services/Eastern Washington University, increasing the not-to-exceed contract amount by \$700,000.00 for a new contract total of \$1,100,000.00, extending the contract completion date to October 4, 2024, 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. 1. After consideration, the motion passed by unanimous vote of the Commission.

Motion was made by Mr. Flint and seconded by Mr. Cox authorizing the General Manager/CEO to execute Change Order No. 2 to Contract 430-10759 with USDA APHIS Wildlife Services, increasing the not-to-exceed contract amount by \$309,799.00 for a new contract total of \$873,392.00, 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. Flint and seconded by Mr. Cox authorizing the General Manager/CEO to execute Contract 430-11605 with OAC Services, Inc. in an amount not-to-exceed \$1,570,243.00. After consideration, the motion passed by unanimous vote of the Commission.

The Commissioners reviewed future agenda items.

The Commission calendar was reviewed.

New employee Jessica Aloysius, Financial Reporting Analysis, was introduced to the Commission.

Jennifer Sager, Senior Manager of Accounting; Angelina Johnson, Treasury Operations Supervisor; and John Mertlich, Senior Manager of FP&A, presented the Financial Statement Suite.

The Commission recessed at 2:40 p.m.

The Commission resumed at 2:50 p.m.

Kam Ghaffarian, X-energy Executive Chairman; Clay Sell, X-energy Chief Executive; and Darren Gale, X-energy Vice President, presented the Xe-100 as a possible new generation source for Grant PUD consideration.

An executive session was announced at 4:00 p.m. to last until 5:00 p.m. to discuss lease or purchase of real estate if disclosure would increase price with legal counsel present pursuant to RCW 42.30.110(1)(b). The executive session concluded at 5:00 p.m. and the regular session resumed.

An additional executive session was announced at 5:00 p.m. to last until 5:30 p.m. to discuss lease or purchase of real estate if disclosure would increase price with legal counsel present pursuant to RCW 42.30.110(1)(b). The executive session concluded at 5:00 p.m. and the regular session resumed.

There being no further business to discuss, the November 22, 2022 meeting officially adjourned at 5:30 p.m.

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Judy Wilson, President

ATTEST:

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Tom Flint, Secretary

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Nelson Cox, Vice President

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Terry Pyle, Commissioner

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Larry Schaapman, Commissioner

RESOLUTION NO. 9001

A RESOLUTION APPOINTING A REPRESENTATIVE AND ALTERNATES TO THE BOARD OF DIRECTORS OF THE WASHINGTON PUBLIC UTILITY DISTRICTS' ASSOCIATION

BE IT RESOLVED by the Commission of Public Utility District No. 2 of Grant County, Washington, that Commissioner Terry Pyle is hereby appointed as representative of Grant PUD to the Board of Directors of the Washington Public Utility Districts' Association, effective January 1, 2023, and will serve until his successor is appointed.

BE IT FURTHER RESOLVED that Commissioners Nelson Cox, Tom Flint, Larry Schaapman and Judy Wilson are hereby appointed as alternate representatives to said Board of Directors to serve in the absence or disability of Commissioner Terry Pyle. Other Commissioners will not be precluded.

BE IT FURTHER RESOLVED that the above-named representative and alternates shall serve until a successor or successors have been appointed by resolution adopted by the Commission.

PASSED AND APPROVED by the Commission of Public Utility District No. 2 of Grant County, Washington, this 13<sup>th</sup> day of December, 2022.

\_\_\_\_\_  
Judy Wilson, President

ATTEST:

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Tom Flint, Secretary

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Nelson Cox, Vice President

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Terry Pyle, Commissioner

\_\_\_\_\_  
Larry Schaapman, Commissioner

RESOLUTION NO. 9002

A RESOLUTION APPOINTING A REPRESENTATIVE AND ALTERNATES TO THE BOARD OF DIRECTORS OF ENERGY NORTHWEST

BE IT RESOLVED by the Commission of the Public Utility District No. 2 of Grant County, Washington, that Commissioner Tom Flint is hereby appointed as the representative of Grant PUD to the Board of Directors of Energy Northwest, effective January 1, 2023 and will serve until his successor is appointed.

BE IT FURTHER RESOLVED that Commissioners Nelson Cox, Judy Wilson, Terry Pyle and Larry Schaapman are appointed as alternate representatives to said Board of Directors to serve in the absence or disability of Commissioner Tom Flint.

BE IT FURTHER RESOLVED that the above named representative and alternates shall serve until a successor or successors have been appointed by resolution adopted by the Commission; and, provided further, that the members of the Commission may from time to time, by resolution, appoint other members of the Board as representative or alternate in the place and stead of those above named.

PASSED AND APPROVED by the Commission of Public Utility District No. 2 of Grant County, Washington, this 13<sup>th</sup> day of December, 2022.

\_\_\_\_\_  
Judy Wilson, President

ATTEST:

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Tom Flint, Secretary

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Nelson Cox, Vice President

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Terry Pyle, Commissioner

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Larry Schaapman, Commissioner



RESOLUTION NO. 9003

A RESOLUTION APPOINTING A REPRESENTATIVE AND ALTERNATES TO THE BOARD OF DIRECTORS OF THE CENTRAL WASHINGTON POWER AGENCY

BE IT RESOLVED by the Commission of Public Utility District No. 2 of Grant County, Washington, that Commissioner Larry Schaapman is hereby appointed as representative of Grant PUD to the Board of Directors of the Central Washington Power Agency, effective January 1, 2023 and will serve until his successor is appointed.

BE IT FURTHER RESOLVED that Commissioners Terry Pyle, Nelson Cox, Judy Wilson and Tom Flint are appointed as alternate representatives to said Board to serve in the absence or disability of Commissioner Larry Schaapman.

BE IT FURTHER RESOLVED that the above named representative and alternates shall serve until a successor or successors have been appointed by resolution adopted by the Commission; and, provided further, that the members of the Commission may from time to time, by resolution, appoint other members of the Board as representative or alternate in the place and stead of those above named.

PASSED AND APPROVED by the Commission of Public Utility District No. 2 of Grant County, Washington, this 13<sup>th</sup> day of December, 2022.

\_\_\_\_\_  
Judy Wilson, President

ATTEST:

\_\_\_\_\_  
Tom Flint, Secretary

\_\_\_\_\_  
Nelson Cox, Vice President

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Terry Pyle, Commissioner

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Larry Schaapman, Commissioner

# **REGULAR AGENDA**

RESOLUTION NO. 9004

A RESOLUTION ESTABLISHING NEW RATE SCHEDULE NO. 19 – COMMERCIAL FAST  
CHARGING ELECTRIC VEHICLE SERVICE

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. Effective April 1, 2023, Rate Schedule No. 19, Commercial Fast Charging Electric Vehicle Service, will establish rates to recover the costs of providing these services; and
3. The General Manager / CEO and Grant PUD staff recommend establishing the proposed new Rate Schedule No. 19 as set forth in Exhibit A.

NOW, THEREFORE, BE IT RESOLVED by the Commission of Public Utility District No. 2 of Grant County, Washington, that Rate Schedule No. 19 is hereby effective as set forth in Exhibit A.

PASSED AND APPROVED by the Commission of Public Utility District No. 2 of Grant County, Washington, this 13<sup>th</sup> day of December, 2022.

\_\_\_\_\_  
President

ATTEST:

\_\_\_\_\_  
Secretary

\_\_\_\_\_  
Vice President

\_\_\_\_\_  
Commissioner

\_\_\_\_\_  
Commissioner

**RATE SCHEDULE NO. 19**  
**Commercial Fast Charging Electric Vehicle Service**

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

**AVAILABLE:** To eligible retail accounts served by Grant PUD for facilities dedicated solely for direct current electric vehicle charging. Rate is only available to Level 3 fast charging stations with monthly loads of no more than 3,000 kW Billing Demand at an individual location. Service offered for commercial use only, for example, for fleet vehicles and/or public charging stations. Other electric usage shall be billed at the otherwise applicable rate for the corresponding retail account.

**EFFECTIVE:** For service beginning April 1, 2023.

**SERVICES RECEIVED:** Service under this schedule will be separately metered from other electric usage and require a 3-phase 480-volt or greater voltage service as determined by Grant PUD. Multiple service agreements at an individual location are not allowed under this rate schedule and metered loads will be aggregated for billing purposes.

**MONTHLY BILLING RATE:**

Basic Charge:	\$ 51.23 per month
Energy Charge:	\$ 0.03454 per kWh for all kWh
Demand Charge:	\$ 7.69 per kW of Billing Demand
Minimum Charge:	\$ 435.73 per month

**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.
- (c) A minimum of 50 kW

**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 the District's Customer Service Policies, as periodically amended.

## MEMORANDUM

November 22<sup>nd</sup>, 2022

**TO:** Rich Wallen, General Manager/Chief Executive Officer

**VIA:** Dave Churchman, Chief Customer Officer

**FROM:** Julio Aguirre Carmona, Lead Financial Analyst  
Amanpreet Singh, Economist  
Depree Standley, Financial Analyst

**SUBJECT:** Approval of new Rate Schedule No. 19, Commercial Fast Charging Electric Vehicle Service

**Purpose:**

To request Commission approval to establish a new Rate Schedule No. 19 - Commercial Fast Charging Electric Vehicle Service

**Discussion:**

**Background:** Due to the potential growth in the adoption of electric vehicles (“EV”) in our service territory, particularly for commercial uses, Staff is proposing a new rate offering dedicated specifically to serve EV commercial fast charging stations.

This new rate schedule is intended to address the adequate recovery of the incremental costs that could result from the potential deployment of EV fast charging infrastructure, particularly on major highways going through Grant County. With the recent enactment of state and federal policies aimed at addressing climate change, there are regulatory and economic incentives intended to encourage and facilitate the adoption of EV technologies. These policies could eventually lead to a significant increase in the number of requests for similar service in the near future.<sup>1</sup>

For example, Section 111(d) of the Public Utility Regulatory Policies Act (PURPA) directs state public utility commissions and non-regulated electric utilities to consider measures to promote greater transportation electrification, including the establishment of rates that promote affordable and equitable vehicle charging options, facilitate reduced charging times, accelerate third-party investment in public EV charging stations, and appropriately recover the costs of delivering electricity to EV’s. The approval of Rate Schedule No. 19 is an initiative that could aid in meeting the compliance requirements of PURPA.

Furthermore, the concentration of EV fast charging stations could also have some implications for the distribution system. A substantial increase in the peak load experienced in a particular area resulting from the rapid expansion of EV fast charging stations, could strain the existing electric distribution infrastructure. This situation could potentially lead to additional capital investments by accelerating the need for some system upgrades or increasing operation and maintenance costs.

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<sup>1</sup> To date, Staff has identified only two Level 3 electric vehicle charging stations taking electric service, and one not yet operational in Grant County.

Finally, it is likely that after recognizing these issues, some comparable public power neighboring utilities in the state of Washington have also recently approved similar rate offerings in their respective service territories.<sup>2</sup>

**Proposed Rate Schedule No. 19:** The proposed Rate Schedule No. 19 will apply to eligible retail accounts served by Grant PUD for facilities dedicated solely for direct current electric vehicle charging. This new rate is only available for Level 3 fast charging stations with monthly loads of no more than 3,000 kW. Level 3 charging is the fastest technology available for recharging EVs, requiring significantly higher voltages than those required for a lower Level 1 or Level 2.<sup>3</sup> Therefore, service under this rate schedule will be offered for commercial use only, for example, for fleet vehicles and/or public charging stations. Any other electric usage shall be billed at the otherwise applicable rate for the corresponding retail account.

The proposed rates for Rate Schedule No. 19 were guided by Grant County's 2018 Cost-of-Service Analysis ("COSA"), which was also used to support the retail rates as revised on April 1, 2018. Staff recommends the use of Rate Schedule No. 2 – General Service at full cost of service, as a proxy rate to estimate the costs and rates for this new rate schedule. As more customers take service under the new Rate Schedule No. 19, Staff will collect more billing information from customers to determine the class specific load and load patterns, to be included in a future cost-of-service study and more accurately determine the cost to serve this particular rate schedule.

Staff's proposed rate design for this new schedule is a three-part tariff which includes a monthly basic charge, demand charge and flat energy charge. Staff proposes a fully compensatory customer charge and a demand rate set to recover 50% of the estimated annual demand related costs for Rate Schedule No. 2. At the November 15<sup>th</sup>, 2022 Commission Workshop, the Commission directed Staff to set the volumetric energy rate at \$0.03454 per kWh, which results in an overall average rate for Rate Schedule No. 19 which is approximately 14% over the cost of service of Rate Schedule No. 2, as indicated in the COSA. Service under this schedule will be separately metered from any other electric usage in any customer premise. Any electric usage not specifically used for electric vehicle service will be billed separately under the otherwise applicable rate schedule.

**Recommendation:**

To adopt via resolution the attached proposed Rate Schedule No. 19, Commercial Fast Charging Electric Vehicle Service

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

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<sup>2</sup> For example, Chelan County PUD currently offers Rate Schedule 15: Direct Current Fast Charging Electric Vehicle Rate; Douglas County PUD offers Schedule 8: Electric Vehicle and Other Charging Rate and Snohomish County PUD offers Schedule 20EV: Public Electric Vehicle Chargers.

<sup>3</sup> Most DC fast chargers are either 50 kW or 120 kW (primarily Tesla superchargers), though there are some applications of 350 kW extreme fast chargers for a small subset of passenger vehicles and for heavier duty applications. Jenn & Highleyman (2022). Distribution grid impacts of electric vehicles: A California case study. *iScience* 25, 103686. <https://www.sciencedirect.com/science/article/pii/S2589004221016564>

## MEMORANDUM

November 22<sup>nd</sup>, 2022

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**VIA:** Dave Churchman, Chief Customer Officer

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Depree Standley, Financial Analyst

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Furthermore, the concentration of EV fast charging stations could also have some implications for the distribution system. A substantial increase in the peak load experienced in a particular area resulting from the rapid expansion of EV fast charging stations, could strain the existing electric distribution infrastructure. This situation could potentially lead to additional capital investments by accelerating the need for some system upgrades or increasing operation and maintenance costs.

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The proposed rates for Rate Schedule No. 19 were ~~developed using~~guided by Grant County's 2018 Cost-of-Service Analysis ("COSA"), which was also used to support the retail rates as revised on April 1, 2018. Staff recommends the use of Rate Schedule No. 2 – General Service at full cost of service, as a proxy rate to estimate the costs and rates for this new rate schedule. As more customers take service under the new Rate Schedule No. 19, Staff will collect more billing information from customers to determine the class specific load and load patterns, to be included in a future cost-of-service study and more accurately determine the cost to serve this particular rate schedule.

Staff's proposed rate design for this new schedule is a three-part tariff which includes a monthly basic charge, demand charge and flat energy charge. Staff proposes a fully compensatory customer charge and a demand rate set to recover 50% of the estimated annual demand related costs for Rate Schedule No. 2. At the November 15<sup>th</sup> 2022 Commission Workshop, the Commission directed Staff to set the volumetric energy rate at \$0.03454 per kWh, which results in an overall average rate for Rate Schedule No. 19 which is approximately 14% over the cost of service of Rate Schedule No. 2, as indicated in the COSA. Service under this schedule will be separately metered from any other electric usage in any customer premise. Any electric usage not specifically used for electric vehicle service will be billed separately under the otherwise applicable rate schedule.

**Recommendation:**

To adopt via resolution the attached proposed Rate Schedule No. 19, Commercial Fast Charging Electric Vehicle Service

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

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## Randalynn Hovland

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**From:** Julio Aguirre Carmona  
**Sent:** Wednesday, November 16, 2022 1:18 PM  
**To:** Randalynn Hovland  
**Cc:** Cindy McClure  
**Subject:** FW: Legal Review of Proposed RS19 - Commercial Fast Charging EV  
**Attachments:** Commission Memo to Adopt RS19 Commercial Fast Charging EV (Revised-Redline).docx; Rate Schedule 19 - Commercial Fast Charging EV (Revised-Clean).docx; Rate Schedule 19 - Commercial Fast Charging EV (Revised-Redline).docx; Commission Memo to Adopt RS19 Commercial Fast Charging EV (Revised-Clean).docx

Good afternoon Randi,

As per our Teams conversation yesterday, please find attached the revised Memo and Tariff that incorporate the guidance received from the Commission regarding the rate design of the proposed Rate Schedule No. 19. I am providing you with both a clean and redline versions in case you need to document the changes made.

Please let me know if you have any questions or concerns.

Thanks.

Julio

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**From:** Dave Churchman <[Dchurchman@gcpud.org](mailto:Dchurchman@gcpud.org)>  
**Sent:** Tuesday, November 15, 2022 8:28 PM  
**To:** Julio Aguirre Carmona <[jaguirre@gcpud.org](mailto:jaguirre@gcpud.org)>  
**Cc:** Amanpreet Singh <[asingh@gcpud.org](mailto:asingh@gcpud.org)>; Depree Standley <[dstandley@gcpud.org](mailto:dstandley@gcpud.org)>  
**Subject:** RE: Legal Review of Proposed RS19 - Commercial Fast Charging EV

These changes look good. Thanks Julio!

Dave

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**From:** Julio Aguirre Carmona <[jaguirre@gcpud.org](mailto:jaguirre@gcpud.org)>  
**Sent:** Tuesday, November 15, 2022 1:31 PM  
**To:** Dave Churchman <[Dchurchman@gcpud.org](mailto:Dchurchman@gcpud.org)>  
**Cc:** Amanpreet Singh <[asingh@gcpud.org](mailto:asingh@gcpud.org)>; Depree Standley <[dstandley@gcpud.org](mailto:dstandley@gcpud.org)>  
**Subject:** RE: Legal Review of Proposed RS19 - Commercial Fast Charging EV

Hello Dave,

Could you please review the new language in the memo and let me know if you agree with my proposed changes? The only change to the tariff is to revise the energy rate as requested by the Commission today.

Thanks.

Julio

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**From:** Dave Churchman <[Dchurchman@gcpud.org](mailto:Dchurchman@gcpud.org)>  
**Sent:** Wednesday, November 9, 2022 4:57 PM  
**To:** Julio Aguirre Carmona <[jaguirre@gcpud.org](mailto:jaguirre@gcpud.org)>  
**Subject:** RE: Legal Review of Proposed RS19 - Commercial Fast Charging EV

I have reviewed and approve the memo, resolution, and proposed RS19 – Commercial Fast Charging.

**Dave Churchman**  
*Chief Customer Officer*

OFFICE 509.754.5069  
EXT. 2198  
EMAIL [dchurchman@gcpud.org](mailto:dchurchman@gcpud.org)



[grantpud.org](http://grantpud.org)

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**From:** Julio Aguirre Carmona <[jaguirre@gcpud.org](mailto:jaguirre@gcpud.org)>  
**Sent:** Wednesday, November 9, 2022 1:52 PM  
**To:** Dave Churchman <[Dchurchman@gcpud.org](mailto:Dchurchman@gcpud.org)>  
**Subject:** FW: Legal Review of Proposed RS19 - Commercial Fast Charging EV

Hi Dave,

Could you please reply to this email confirming your approval of the Memo and proposed Resolution for the new RS19 – Commercial Fast Charging EV? (Attached for your reference).

Thank you.

Julio

**Julio C. Aguirre**  
*Lead Financial Analyst*

CELL. 505.506.5639  
EMAIL [jaguirre@gcpud.org](mailto:jaguirre@gcpud.org)



[grantpud.org](http://grantpud.org)

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**From:** Mitchell Delabarre <[Mdelaba@gcpud.org](mailto:Mdelaba@gcpud.org)>  
**Sent:** Monday, November 7, 2022 5:51 PM  
**To:** Julio Aguirre Carmona <[jaguirre@gcpud.org](mailto:jaguirre@gcpud.org)>  
**Cc:** Leah Mauceri <[Lmaucer@gcpud.org](mailto:Lmaucer@gcpud.org)>; Depree Standley <[dstandley@gcpud.org](mailto:dstandley@gcpud.org)>; Amanpreet Singh <[asingh@gcpud.org](mailto:asingh@gcpud.org)>  
**Subject:** RE: Legal Review of Proposed RS19 - Commercial Fast Charging EV

Julio,  
The proposed resolution looks good and is ready for Commission consideration.  
Mitch

*Mitchell P. Delabarre*  
General Counsel/Chief Legal Officer  
Grant PUD  
[mdelaba@gcpud.org](mailto:mdelaba@gcpud.org)  
509 793-1565

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**From:** Julio Aguirre Carmona <[jaguirre@gcpud.org](mailto:jaguirre@gcpud.org)>  
**Sent:** Monday, November 7, 2022 10:19 AM  
**To:** Mitchell Delabarre <[Mdelaba@gcpud.org](mailto:Mdelaba@gcpud.org)>  
**Cc:** Leah Mauceri <[Lmaucer@gcpud.org](mailto:Lmaucer@gcpud.org)>; Depree Standley <[dstandley@gcpud.org](mailto:dstandley@gcpud.org)>; Amanpreet Singh <[asingh@gcpud.org](mailto:asingh@gcpud.org)>  
**Subject:** Legal Review of Proposed RS19 - Commercial Fast Charging EV

Good morning Mitch,

Please find attached the packet to be submitted to the Commission for the approval of the proposed Rate No. 19 - Commercial Fast Charging EV. You can also find the documents here:  [2022 Electric Vehicle Charging](#)

Please let us know if you have any questions or concerns. Otherwise, we would appreciate it if you could provide us with your legal concurrence, by COB tomorrow if possible, so that we can submit this packet for the Commission's consideration at their 11/22 meeting.

Thank you!

Julio

**Julio C. Aguirre**  
*Lead Financial Analyst*

CELL. 505.506.5639

EMAIL [jaguirre@gcpud.org](mailto:jaguirre@gcpud.org)



**RATE SCHEDULE NO. 19**  
**Commercial Fast Charging Electric Vehicle Service**

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

**AVAILABLE:** To eligible retail accounts served by Grant PUD for facilities dedicated solely for direct current electric vehicle charging. Rate is only available to Level 3 fast charging stations with monthly loads of no more than 3,000 kW Billing Demand at an individual location. Service offered for commercial use only, for example, for fleet vehicles and/or public charging stations. Other electric usage shall be billed at the otherwise applicable rate for the corresponding retail account.

**EFFECTIVE:** For service beginning April 1, 2023.

**SERVICES RECEIVED:** Service under this schedule will be separately metered from other electric usage and require a 3-phase 480-volt or greater voltage service as determined by Grant PUD. Multiple service agreements at an individual location are not allowed under this rate schedule and metered loads will be aggregated for billing purposes.

**MONTHLY BILLING RATE:**

Basic Charge:	\$ 51.23 per month
Energy Charge:	\$ 0.03454 per kWh for all kWh
Demand Charge:	\$ 7.69 per kW of Billing Demand
Minimum Charge:	\$ 435.73 per month

**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.
- (c) A minimum of 50 kW

**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 the District's Customer Service Policies, as periodically amended.

**RATE SCHEDULE NO. 19**  
**Commercial Fast Charging Electric Vehicle Service**

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

**AVAILABLE:** To eligible retail accounts served by Grant PUD for facilities dedicated solely for direct current electric vehicle charging. Rate is only available to Level 3 fast charging stations with monthly loads of no more than 3,000 kW Billing Demand at an individual location. Service offered for commercial use only, for example, for fleet vehicles and/or public charging stations. Other electric usage shall be billed at the otherwise applicable rate for the corresponding retail account.

**EFFECTIVE:** For service beginning April 1, 2023.

**SERVICES RECEIVED:** Service under this schedule will be separately metered from other electric usage and require a 3-phase 480-volt or greater voltage service as determined by Grant PUD. Multiple service agreements at an individual location are not allowed under this rate schedule and metered loads will be aggregated for billing purposes.

**MONTHLY BILLING RATE:**

Basic Charge:	\$ 51.23 per month
Energy Charge:	\$ <del>0.02669</del> - <u>0.03454</u> per kWh for all kWh
Demand Charge:	\$ 7.69 per kW of Billing Demand
Minimum Charge:	\$ 435.73 per month

**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.
- (c) A minimum of 50 kW

**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 the District's Customer Service Policies, as periodically amended.

RESOLUTION NO. 9005

A RESOLUTION AMENDING RATE SCHEDULE NO. 17

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. The Commission established Rate Schedule No. 17 with the adoption of Resolution 8891 on August 28, 2018;
3. The Commission revised Rate Schedule No. 17 most recently with the adoption of Resolution 8940 on March 10, 2020; and
4. The General Manager and Grant PUD staff recommend amending Grant PUD Rate Schedule No. 17 as set forth in Exhibit A.

NOW, THEREFORE, BE IT RESOLVED by the Commission of Public Utility District No. 2 of Grant County, Washington that effective February 1, 2023 Rate Schedule No. 17 is hereby effective as set forth in Exhibit A.

BE IT FURTHER RESOLVED that as of February 1, 2023, Resolution No. 8940 is hereby superseded.

PASSED AND APPROVED by the Commission of Public Utility District No. 2 of Grant County, Washington, this 13<sup>th</sup> day of December, 2022.

\_\_\_\_\_  
President

ATTEST:

\_\_\_\_\_  
Secretary

\_\_\_\_\_  
Vice President

\_\_\_\_\_  
Commissioner

\_\_\_\_\_  
Commissioner

**RATE SCHEDULE NO. 17**  
**EVOLVING INDUSTRY 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:** To accounts whose load activity and / or industry is classified as an Evolving Industry. If any part of a load is classified as Evolving Industry, all loads measured by that meter are subject to this rate.

**MONTHLY BILLING RATES: Customer's monthly billing will consist of the following charges:**

**17-A:** For retail customers that would otherwise be served as Residential, Rate Schedule 1, and other retail customers with service less than 200 KW Billing Demand.

**EFFECTIVE:** With meter readings after ***February 1, 2023.***

Basic Charge: \$1.04 per day

Energy Charge: \$0.08535 per kWh

Minimum Charge: \$1.04 per day

**17-B:** For retail customers with service of 200KW or greater Billing Demand.

**EFFECTIVE:** With meter readings after ***February 1, 2023.***

Basic Charge: \$1,000.00 per month

Energy Charge: \$0.00389 per kWh

Demand Charge: \$28.18 per kW of Billing Period

Minimum Charge: The Minimum shall be computed as Demand Charge times 75% of the Customer's Maximum Billing Demand during the most recent 12-month period.

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

- a. The contract demand, if any, or;
- b. The highest 15-minute demand during the month as determined by demand meter, adjusted up to 95 percent power factor.


**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:** Service under this Schedule is subject to the terms and conditions in the District's Customer Service Policies, as the same may be amended from time to time.



# MEMORANDUM

November 22, 2022

**TO:** Richard Wallen, General Manager  
**VIA:** Dave Churchman, Chief Customer Officer  
**FROM:** Louis Szablya, Sr. Mgr. Large Power Solutions   
Baxter Gillette, Large Power Solutions Manager  
**Subject:** Rate Schedule No. 17, Evolving Industry Service, 2022 Update

## I. Problem Statement

On August 28, 2018, the Grant PUD Commission approved Resolution No. 8891, A RESOLUTION ESTABLISHING RATE SCHEDULE NO. 17, creating a new customer class for Evolving Industry customers operating within the Grant PUD service territory. The rates were subsequently superseded in Resolution No. 8940 on March 10, 2020.

The Customer Service Policy (CSP) requires that no less than annually Grant PUD will "...assess business conditions and risks that indicate which Industries should be included or excluded from the Evolving Industry Rate Class."

## II. Background

### A. The Process and Committee

The Customer Service Policy update process requires a multidiscipline and multidepartment team to review the Evolving Industry (EI) Class to determine if it is appropriate for a customer's use or industry to move into, or out of the EI Rate Class.

In the Fall of 2022, the RS17 2022 Update Team was formed consisting of six members and two subject matter experts (SMEs), listed below:

Name	Department	Role	Type
Dave Churchman	CCO	Executive Sponsor	Member
Louis Szablya	Large Power Solutions		Member
Julio Aguirre Carmona	Rates and Pricing	Lead	Member
Baxter Gillette	Large Power Solutions	Update Manager	SME
Paul Dietz	Risk Management	Analytics	SME
Cary West	Customer Service		Member
John Mertlich	Finance/Accounting		Member
Jesus Lopez	Engineering		Member

### B. Scope of Update

The RS17 2022 Update includes two specific tasks:

#### 1. Assessment

Assessment of Grant PUD's existing customers to identify any uses or industries that may need to be included as an EI, assess if they should be included, and recommend which uses or industries should be included in the EI Class.

2. Review Rates

Review changes in both electric power markets and the Evolving Industries' markets for changes that have occurred since the prior RS17 Update to refresh the models and recommend any changes to the rates.

**C. The Work**

1. Risk Assessment

The risk assessment process is intended to identify nascent Evolving Industries which may cause volatility in Grant PUD's retail revenues that would adversely impact other customers.

To be deemed Evolving Industry, an industry or energy load activity must have Concentration Risk and either Business Risk or Regulatory Risk.

a) Identification of New Industries or Energy Load Activities

Staff evaluated hydrogen production, electrified fleet transportation, solar panel manufacturing and novel battery materials as potential evolving industries. Staff determined the new technologies did not currently qualify as a new industry on the basis that they either: 1) are not explicitly part of a request for interconnection to Grant PUD's system (hydrogen production and large scale electrified fleet transportation), 2) are not nascent (solar panel manufacturing), or 3) it is not clear that the activity should be split apart from generalized Manufacturing (novel battery materials). In the last case, fragmenting to an individual component of a technology, in this case, silicon anodes for batteries, would reduce the industry classification to a particular company or handful of competitors as opposed to evaluating an industry or even a whole product (e.g. batteries).

b) Concentration Risk

Only those nascent uses or industries that represent 5% or more of Grant PUD's existing and forecasted energy load are considered to have enough volume to require further assessment of the risk of losing retail revenues due to business or regulatory risks.

Staff performed a Concentration Risk calculation (see Attachment A) using the same methodology that was used in previous years. Data Centers, Manufacturing, Utility/Government and Cryptocurrency surpassed the 5% threshold, primarily driven by queue (connection) requests.

c) Business and Regulatory Risk

Staff performed a Porter's Five-Forces analysis on Manufacturing and Cryptocurrency. Manufacturing in the U.S. is not nascent and ~~is~~ has been largely in decline except for the Research & Development and Design sub-sectors.

Cryptocurrency exhibits nascent characteristics in both Business Risk and Regulatory Risk. Transitions to Proof of Stake in lieu of Proof of Work protocols, stablecoin failures, and potential Central Bank Digital Currency (CBDC) competition, as well as persistent market volatility and spot price manipulation are some of the factors that present business risk. Over the last year there has been increasing attention and pressure on international, federal, state, and local fronts to legislate and regulate crypto exchanges, digital assets, including cryptocurrencies, and cryptocurrency mining. Although clearer rules should bring less risk and more certainty in the future, at this point in time the unknown treatment of different digital assets in different jurisdictions presents substantial regulatory risk. The Update Team concurred with the assessment and categorization of cryptocurrency mining as Evolving Industry.

## 2. Rate Target Update

The rate target update is based on the uses and industries in the EI Class, in this case, cryptocurrency mining, bifurcated into Rate Schedule 17-A for monthly loads less than 200 kW, and 17-B for monthly loads equal to and greater than 200 kW.

The rate target update incorporates direct, risk-based and additional assessment elements. Direct costs are baseline costs needed to serve a rate schedule or class. Risk-based costs are potential costs that would be borne by Grant PUD and its other ratepayers arising from atypical attributes of an Evolving Industry that are not addressed in the Cost-of-Service process as Direct Costs. Finally, the additional assessment is a cost adder set by the Commission that has historically been informed by the percentage of retail sales over the cost to serve for other rate schedules.

### a) Direct Costs

Direct costs are baseline costs needed to serve a rate schedule or class, which are best characterized currently by the Cost-of-Service analysis. Included in the Cost of Service are transmission, distribution (including customer-related) and generation costs allocated to serve retail customers. Rate Schedule 17-A uses a blended rate from Rate Schedules 1 (Residential) and 2 (General Service) as estimated in the Cost of Service (\$0.06310 per kWh) because Grant PUD has historically had both residential and commercial sized cryptocurrency customers in the sub-200 kW monthly load range. Rate 17-B uses Rate Schedule 7 Cost of Service (\$0.3158 per kWh), which encompasses the 200 to 5,000 kW load sizes, and represents historically more than 99% of current cryptocurrency loads. This is a change from previous studies that baselined Rate Schedule 17-B with the Rate Schedule 14 (serving 5 to 15 megawatt loads), as it was previously anticipated that the majority of cryptocurrency loads would grow to this size range.

### b) Risk-Based Costs

Risk-based costs are associated with the peculiarities of industries or energy load activities that are not captured in Direct Costs rate element. In the case of cryptocurrency mining, the following ~~risk-based~~risk-based elements were incorporated into the target rate:

#### 1) Transmission Acceleration Adder

The Transmission Acceleration Adder covers investment acceleration costs and risk of subsequent non-arrival or departure of customers. In this study, it was determined that the cryptocurrency queue is not accelerating the transmission build schedule and consequently there is no charge for this cost element in the rate target.

#### 2) Distribution Adder

The Distribution Adder covers potential incremental distribution costs above typical operations captured in the Cost of Service. In previous studies, we used engineering risk estimates based on professional judgement. In this case, we used actual Grant PUD 3-year event experience with cryptocurrency loads and then adjusted the figures for risk. Within the last several years, Grant PUD has had a couple of callouts for protective equipment resets, but has not identified any asset damage or impairment. The total Distribution Adder was figured to be \$0.00001 per kWh in this study. This figure can be adjusted in future rate assessments if Grant PUD experiences a different cost or loss profile.

#### 3) Departure Liquidation Cost Adder

The Departure Liquidation Cost Adder covers the potential costs associated with highly mobile customers leaving, causing Grant PUD to adjust wholesale positions at a financial loss. Damages are characterized as being incurred: 1) when a customer leaves, and 2) when

Grant PUD has to unwind positions in the wholesale market at less than the price at which the position was established. In general, Grant PUD enters wholesale transactions to meet forecasted load based on when the Reasonable Portion from the Power Sales Contract is priced (each November) for the following January to December timeframe. The Departure Liquidation Cost was calculated as a series of at the money put options, the “exercise” of which is contingent on the probabilistic departure of customers. This is a different methodology than in previous annual assessments and may be further refined in the future. The calculation yielded \$0.00329 per kWh for both 17-A and 17-B.

4) State Renewable Compliance Adder

Compliance with Washington’s Energy Independence Act (I-937) renewable portfolio standard requires utilities to meet 15% of its previous two-years’ average electricity usage with “green” power. Since the portfolio requirements are driven by history, Grant PUD cannot liquidate or resell attributes in the event of customer departure. Green attributes are priced above the wholesale price of unspecified energy and if a load departs during a given year, the costs associated with covering green attributes will fall to Grant PUD and eventually, remaining ratepayers.

We calculated the adder using the customer departure monthly probabilities described in the Departure Liquidation Cost Adder section, above, and matched the volumes at risk with the projected market purchase price for the green attributes (Washington Renewable Energy Certificates) per MWh for calendar year 2023. This yielded a \$0.00035 per kWh adder for both Rate Schedules 17-A and 17-B.

c) Additional Assessment

The additional assessment was set at 31% for Rate Schedules 17-A and 17-B, as in previous rate target calculations, memorialized most recently in Resolution 8940. Staff has no basis to recommend a different percentage at this time.

d) Other Supply Costs

Currently Staff is not proposing other additional cost adders at this time. However, other supply costs will cover direct or potential (risk) losses associated with non-wholesale market commitments or exposures that are not currently expressed in the target rate because they have not yet been identified or valued. The State Renewable Compliance Adder is an example of a cost that was incorporated in this target rate calculation, but was not a part of previous calculations.

Likely sources of new supply costs include but are not limited to new resource commitments (e.g. generation, purchase power agreements, and/or wholesale purchases and related marginal integration and delivery costs) and ‘greening’ requirements (e.g. CETA, Climate Commitment Act, Federal Laws and regulations).

e) Proposed Target Rate

The proposed target rate for Rate Schedule 17-A (Figure 1) and 17-B (Figure 2), by element, is as follows:

	As proposed \$/kWh (2022)
RS1 & RS2 Cost to Serve (blended)	\$0.06310
Transmission Acceleration Adder	\$0.00000
Distribution Adder	\$0.00001
Departure Liquidation Cost Adder	\$0.00329
State Renewable Compliance Adder	\$0.00035
Additional Assessment (31%)	\$0.02069
<b>Proposed Target Rate</b>	<b>\$0.08744</b>

Figure 1: Rate Schedule 17-A Proposed Target Rate

	As proposed \$/kWh (2022)
RS7 Cost to Serve	\$0.03158
Transmission Acceleration Adder	\$0.00000
Distribution Adder	\$0.00001
Departure Liquidation Cost Adder	\$0.00329
State Renewable Compliance Adder	\$0.00035
Additional Assessment (31%)	\$0.01092
<b>Proposed Target Rate</b>	<b>\$0.04615</b>

Figure 2: Rate Schedule 17-B Proposed Target Rate

### 3. Rate Calculations

The rate structure for Rate Schedule 17-A includes a basic charge and an energy charge, analogous to the billing components found in Rate Schedules 1 and 2. The rate structure for Rate Schedule 17-B includes a basic charge, a demand charge and an energy charge similar to the billing components found in Rate Schedule 7.

Target rates are translated into billing components by taking a representative load and then balancing the various price per unit for each component until an equivalent cents per kWh breakeven value is found between the target rate and the billing components.

Rate Schedule 17-A used a 30 kW load with a 69.3% load factor as the representative load, which results in an average electric usage of 15,182 kWh per billing period. The basic charge was set equal to the Rate Schedule 2 basic charge of \$31.63 per month and the energy charge was calculated to be \$0.08535 per kWh as can be seen in Figure 3.

Billing Component	Billing Rate	Units	Billing Determinant	Bill
Basic Charge	\$31.63	per month	1	\$31.63

Energy Charge	\$0.08535*	per kWh	15,182	\$1,295.84
			<b>Total Bill</b>	<b>\$1,327.47</b>
*Rounded figure			<b>Effective Rate per kWh</b>	<b>\$0.08744</b>

Figure 3: Proposed Billing Rates for Rate Schedule 17-A

Rate Schedule 17-B used a 2,144 kW monthly load with a 92.85% load factor as the representative load, which results in an average 1,453,242 kWh per billing period. The basic charge of \$1,000 per month and energy charge of \$0.00389 per kWh are unchanged from their current Rate Schedule 17-B rates. The demand charge was calculated to be \$28.18 per kW to breakeven with the proposed target rate of \$0.04615 per kWh as can be seen in Figure 4.

Billing Component	Billing Rate	Units	Billing Determinant	Bill
Basic Charge	\$1,000.00	per month	1	\$1,000.00
Energy Charge	\$0.00389*	per kWh	1,453,242	\$5,653.11
Demand Charge	\$28.18*	per kW	2,144	\$60,407.45
			<b>Total Bill</b>	<b>\$67,407.56</b>
*Rounded figures			<b>Effective Rate per kWh</b>	<b>\$0.04615</b>

Figure 4: Proposed Billing Rates for Rate Schedule 17-B

The proposed billing rates in Figures 3 and 4 can be found in the Exhibit attached to the proposed Commission Resolution filed in this case.

### III. Team Findings and Recommendations

#### A. No new energy load activities and/or industries

The RS17 Update Team has reviewed the study and concurs with the findings that no new energy load activities and/or industries have been identified within Grant PUD's service territory that meet the criteria to be considered an Evolving Industry.

#### B. Cryptocurrency mining industry does currently meet EI criteria

The RS17 Update Team reviewed the Concentration Risk (load and queue) of current EI energy load activities and/or industries and concluded that cryptocurrency mining does currently meet the EI criteria as defined in the CSP.

**C. Revise RS17 rates as proposed in Resolution XXXX**

The RS17 Update Team recommends that the Commission adopt RS17 rates, as currently proposed in the proposed Resolution filed in this case.

**D. Revise Customer Service Policy to extend review periods to no less than biennially instead of no less than annually**

The RS17 Update Team recommends that Evolving Industry review periods be extended to no less than once every two years instead of the current no less than annual review period in the Customer Service policy. This still allows for more frequent inspection of Evolving Industry as needed, but conserves resources in periods of low concern and low analytic value.

**E. Revise Customer Service Policy to change Evolving Industry exit criteria**

The RS17 Update Team recommends the Customer Service Policy remove the Concentration Risk as a factor for an industry to exit Rate Schedule ~~17, and 17 and~~ require that both Business Risk and Regulatory Risk be no longer applicable for an industry to exit Rate Schedule 17. This action prevents industries or energy uses from repeatedly entering and exiting Evolving Industry status on the basis of Concentration Risk while Business and Regulatory Risks are still nascent.

**Attachment A -- 2022 Concentration Assessment**

Industries / Energy Load Activities, July 2021 - June 2022 Loads						
		July 2021 - June 2022 MWa	Queue Request	Total	Percent Concentration	Avg. No. of Service Agreements
Rate 1	Residential	95.7	0.0	95.7	3.6%	39,035
Rate 2	General Service	59.4	0.0	59.4	2.2%	7,200
Rate 3	Irrigation	69.2	0.0	69.2	2.6%	4,871
Rate 6	Street Lights	0.5	0.0	0.5	0.0%	109
Rate 85	Ag Food Process Boiler	0.0	0.0	0.0	0.0%	1
Rate Schedules 7, 14, 15, 16, 17, 94	Aerospace	1.4	2.0	3.4	0.1%	4
	Ag. Processing	39.6	32.5	72.1	2.7%	59
	Ag. Storage	6.4	0.0	6.4	0.2%	12
	Automotive	26.4	1.0	27.4	1.0%	3
	Cannabis	0.9	0.0	0.9	0.0%	6
	Chemical	37.4	0.0	37.4	1.4%	6
	Construction	0.2	0.0	0.2	0.0%	4
	Cryptocurrency	23.9	114.0	137.9	5.2%	20
	Data Center	217.5	648.0	865.5	32.5%	13
	Education	1.8	2.4	4.2	0.2%	14
	Electronics	27.4	0.0	27.4	1.0%	1
	Gas / Fluids	7.4	0.0	7.4	0.3%	3
	Manufacturing	3.9	573.0	576.9	21.7%	6
	Medical / Health	4.9	2.0	6.9	0.3%	6
	Minerals / Metals	6.3	110.0	116.3	4.4%	7
Retail	2.3	3.0	5.3	0.2%	12	
Utility / Government	2.4	541.0	543.4	20.4%	19	
	<b>Total</b>	<b>634.9</b>	<b>2028.9</b>	<b>2663.8</b>	<b>100%</b>	<b>51,411</b>
			<b>Concentration Risk Threshold:</b>	<b>133.2</b>		

**RATE SCHEDULE No. 17**  
**EVOLVING INDUSTRY 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:** To accounts whose load activity and / or industry is classified as an Evolving Industry. If any part of a load is classified as Evolving Industry, all loads measured by that meter are subject to this rate.

**MONTHLY BILLING RATES: Customer’s monthly billing will consist of the following charges:**

**17-A:** For retail customers that would otherwise be served as Residential, Rate Schedule 1, and other retail customers with service less than 200 KW Billing Demand.

~~**EFFECTIVE:** With meter readings on and after **April 1, 2020**, usage will be prorated to the new rates based on number of days after March 31, 2020.~~

~~Basic Charge: \_\_\_\_\_ \$7.50 per day~~

~~Energy Charge: \_\_\_\_\_ \$0.07559 per kWh~~

~~Minimum Charge: \_\_\_\_\_ \$7.50 per day~~

~~**EFFECTIVE:** With meter readings ~~on and~~ after ~~April 1, 2021~~**February 1, 2023**, usage will be prorated to the new rates based on number of days after March 31, 2021.~~

Basic Charge: \_\_\_\_\_ \$~~10.00~~1.04 per day

Energy Charge: \_\_\_\_\_ \$~~0.09663~~0.08535 per kWh

Minimum Charge: \_\_\_\_\_ \$~~10.00~~1.04 per day

**17-B:** For retail customers with service of 200KW or greater Billing Demand.

~~**EFFECTIVE:** With meter readings on and after **April 1, 2020**, usage will be prorated to the new rates based on number of days after March 31, 2020.~~

~~Basic Charge: \_\_\_\_\_ \$750.00 per month~~

~~Energy Charge: \_\_\_\_\_ \$0.01304 per kWh~~

~~Demand Charge: \_\_\_\_\_ \$19.00 per kW of Billing Period~~



~~Minimum Charge: The Minimum shall be computed as Demand Charge times 75% of the Customer's Maximum Billing Demand during the most recent 12-month period.~~

**EFFECTIVE:** With meter readings ~~on and after February 1, 2023, April 1, 2021,~~ usage will be prorated to the new rates based on number of days after March 31, 2021.

Basic Charge: \$1,000.00 per month

Energy Charge: \$0.00389 per kWh

Demand Charge: ~~\$30.00~~ 28.18 per kW of Billing Period

Minimum Charge: The Minimum shall be computed as Demand Charge times 75% of the Customer's Maximum Billing Demand during the most recent 12-month period.

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

- a. The contract demand, if any, or;
- b. The highest 15-minute demand during the month as determined by demand meter, adjusted up to 95 percent power factor.

**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:** Service under this Schedule is subject to the terms and conditions in the District's Customer Service Policies, as the same may be amended from time to time.

**RATE SCHEDULE No. 17**  
**EVOLVING INDUSTRY 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:** To accounts whose load activity and / or industry is classified as an Evolving Industry. If any part of a load is classified as Evolving Industry, all loads measured by that meter are subject to this rate.

**MONTHLY BILLING RATES:** Customer’s monthly billing will consist of the following charges:

**17-A:** For retail customers that would otherwise be served as Residential, Rate Schedule 1, and other retail customers with service less than 200 KW Billing Demand.

**EFFECTIVE:** With meter readings after **February 1, 2023.**

Basic Charge: \$1.04 per day

Energy Charge: \$0.08535 per kWh

Minimum Charge: \$1.04 per day

**17-B:** For retail customers with service of 200KW or greater Billing Demand.

**EFFECTIVE:** With meter readings after **February 1, 2023.**

Basic Charge: \$1,000.00 per month

Energy Charge: \$0.00389 per kWh

Demand Charge: \$28.18 per kW of Billing Period

Minimum Charge: The Minimum shall be computed as Demand Charge times 75% of the Customer’s Maximum Billing Demand during the most recent 12-month period.

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

- a. The contract demand, if any, or;
- b. The highest 15-minute demand during the month as determined by demand meter, adjusted up to 95 percent power factor.

**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:** Service under this Schedule is subject to the terms and conditions in the District's Customer Service Policies, as the same may be amended from time to time.

RESOLUTION NO. 9006

A RESOLUTION SUPERSEDING RESOLUTION NOS. 8879, 8944 AND 9005, RELATING TO  
AMENDING RATE SCHEDULE NOS. 1, 2, 3, 6, 7, 14, 15, 16, 17 AND 85.

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. The Commission directed Staff to allocate an overall 3% retail revenue increase among Grant PUD rate schedules beginning April 1, 2023, with consideration to the rate policy set previously in Resolution No. 8768.
3. Resolution No. 8879 previously adopted Rate Schedule Nos. 1, 3, 7, 14, 15, 16, and 85; Resolution No. 8944 previously adopted Rate Schedule Nos. 2 and 6. Finally, Resolution No. 9005 previously adopted Rate Schedule No. 17.
4. The General Manager and Grant PUD Staff recommend amending Grant PUD Rate Schedule Nos. 1, 2, 3, 6, 7, 14, 15, 16, 17 and 85 as set forth in Exhibit A.

NOW, THEREFORE, BE IT RESOLVED by the Commission of Public Utility District No. 2 of Grant County, Washington, that effective April 1, 2023, Rate Schedule Nos. 1, 2, 3, 6, 7, 14, 15, 16, 17 and 85 are hereby effective as set forth in Exhibit A.

BE IT FURTHER RESOLVED that as of April 1, 2023, Resolution No. 8879 as it relates to Rate Schedule Nos. 1, 3, 7, 14, 15, 16, and 85 is hereby superseded.

BE IT FURTHER RESOLVED that as of April 1, 2023, Resolution No. 8944 as it relates to Rate Schedule Nos. 2 and 6 is hereby superseded.

BE IT FURTHER RESOLVED that as of April 1, 2023, Resolution No. 9005 as it relates to Rate Schedule No. 17 is hereby superseded.

PASSED AND APPROVED by the Commission of Public Utility District No. 2 of Grant County, Washington, this 13<sup>th</sup> day of December, 2022.

\_\_\_\_\_  
President

ATTEST:

\_\_\_\_\_  
Secretary

\_\_\_\_\_  
Vice President

\_\_\_\_\_  
Commissioner

\_\_\_\_\_  
Commissioner

**RATE SCHEDULE No. 1**  
**DOMESTIC 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:** To single family dwelling, individual apartment or farmhouse for single-phase service.

**EFFECTIVE:** With meter readings after ***April 1, 2023***.

**MONTHLY BILLING RATE:** The Customer's monthly billing will consist of a basic charge, an energy charge and a minimum charge as set forth below:

Basic Charge:	\$0.57 per day
Energy Charge:	\$0.04702 per kWh
Minimum Charge:	\$20.00 per Month

FOR QUALIFYING LOW-INCOME CUSTOMERS: Qualified low income senior citizens or qualified low income disabled customers shall receive a discount equal to 20% of the monthly bill, exclusive of taxes. Eligibility and qualification requirements for these low income rate discounts will be as specified in the District's Customer Service Policies.

**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 the District's Customer Service Policies, as periodically amended.

**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 after **April 1, 2023**.

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

**Rate Schedule No. 2 & 2F**

Basic Charge:	Single-phase	\$0.72 per day
	Three-phase	\$1.08 per day
Energy Charge:	First 10,000 kWh	\$0.04389 per kWh
	Additional kWh	\$0.04389 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.	

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.

**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.

**RATE SCHEDULE No. 3**  
**IRRIGATION 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:** Customers with irrigation, orchard temperature control or soil drainage loads not exceeding 2,500 horsepower and other miscellaneous power needs including lighting. For miscellaneous power requirements, customers will furnish additional transformers and other equipment necessary. A grinder, chopper, welder, etc., may be used on a limited operation basis; provided, a double-throw switch or other suitable device is installed that will disconnect one piece of equipment from the line while the other is in operation; provided further, that the load so connected is less than the primary load.

Customers receiving service pursuant this rate schedule shall be required to pay charges as set forth below.

**EFFECTIVE:** With meter readings after ***April 1, 2023.***

**CAPACITY CHARGE:** The Capacity Charge is a recurring charge that is based on the Customer's Billing Horsepower. The Customer's Billing Horsepower is equal to the sum of the horsepower ratings of all of the Customer's equipment that may be operated at the same time under one meter. In no case will charges be based on a Customer's Billing Horsepower of less than two horsepower for single-phase service, nor less than five horsepower for three-phase service. Whenever horsepower requirements, as calculated from the metered demand, exceed nameplate horsepower ratings of the operating load, the District may base its charges upon those requirements.

The Capacity Charge will be determined in accordance with the following:

- |                          |               |
|--------------------------|---------------|
| a) First 75 hp billed at | \$2.76 per hp |
| b) Over 75 hp billed at  | \$2.53 per hp |

The Capacity Charge is based on a seven (7) month irrigation season and is billed monthly.

**ENERGY CHARGE:** The Energy Charge is based on the number of kilowatt hours consumed by the Customer during the billing period in accordance with the following:

All kWh billed at	\$0.02993 per kWh
-------------------	-------------------

The Energy Charge is billed over the seven (7) month irrigation season and is billed monthly.

**BASIC CHARGE:** The Basic Charge is based on a seven (7) month irrigation season and is billed monthly.

Single-phase	\$30.36 per month
Three-phase	\$43.35 per month

**MINIMUM CHARGE:**

*The Monthly Minimum Charge is the monthly Capacity Charge and \$30.36 per month for Single-phase or \$43.35 per month for Three-phase.*

**TAX ADJUSTMENT:** The amount 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:** Service provided pursuant to this rate schedule is subject to terms and conditions of the District's Customer Service policies, as periodically amended.



**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.

**EFFECTIVE:** *April 1, 2023.*

**MONTHLY RATE:**

<b>Conventional Group 1</b>	<b>\$9.66</b>	<b>Conventional Group 2</b>	<b>\$13.08</b>
*5,800 Lumen High Pressure Sodium (70 Watt) 16,000 Lumen High Pressure Sodium (150 Watt) Up to 105 Watt LED		22,000 Lumen High Pressure Sodium (200 Watt) *27,000 Lumen High Pressure Sodium (250 Watt) 106-185 Watt LED	
<b>Conventional Group 3</b>	<b>\$18.47</b>	<b>Conventional Standards<sup>1</sup></b>	
50,000 Lumen High Pressure Sodium (400 Watt) 186-310 Watt LED		25' – 30' **                    \$5.65 35' – 40' **                    \$7.81	
*Rate applicable only to existing lights.		** Mounting height of lamps.	

<sup>1</sup>Standards 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:**

<b>Decorative Unit 1</b>	<b>\$43.09</b>	<b>Decorative 1A</b>	<b>\$22.94</b>
Tapered post, two plain arms with acorn globes.		Two modified plain arms with acorn globes.	
<b>Decorative Unit 2</b>	<b>\$44.30</b>	<b>Decorative Unit 2A</b>	<b>\$25.68</b>
Fluted post, two filigreed arms with acorn globes.		Two modified filigreed arms with acorn globes.	
<b>OPTIONS<sup>1</sup>:</b>		<b>COST PER UNIT</b>	
REFLECTOR & REFRACTORS, pair		\$3.05	
POWER: - Up to 35 Watt two lamps		\$0.80	

- 36 - 70 Watt two lamps	\$1.49
- 71 - 150 Watt two lamps	\$3.05

<sup>1</sup>Reflector/Refractor 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.

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

**RATE SCHEDULE No. 7**  
**LARGE GENERAL SERVICE**

**AVAILABLE:** To accounts with loads not less than 200 kW or more than 5,000 kW Billing Demand for general service lighting, heating and power requirements. **Service will NOT be provided under this rate schedule to process heating or boiler service loads greater than 3,000 kW unless such loads were served on this rate schedule prior to January 1, 2001. Such loads will be served on Rate Schedule 85 or its successor.**

**EFFECTIVE:** With meter readings after ***April 1, 2023.***

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

Basic Charge:	\$153.36 per month
Energy Charge:	\$0.02171 per kWh for the first 50,000 kWh \$0.01920 per kWh for all additional kWh
Demand Charge:	\$5.13 per kW of Billing Demand
Minimum Charge:	\$153.36 per month

**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 the District's Customer Service Policies, as periodically amended.

**RATE SCHEDULE No. 14**  
**INDUSTRIAL 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:** To industrial customers whose Billing Demand is greater than 5 MW/MVA and less than 15 MW/MVA, provided however, service to any Customer load or portion thereof which is or becomes a New Large Load as defined by the District's Customer Service Policies shall be served at the rates specified in Rate Schedule No. 94.

**EFFECTIVE:** With meter readings after ***April 1, 2023***.

**MONTHLY BILLING RATES:** Customer's monthly billing will consist of the following charges:

Basic Charge:	\$651.14 per month
Energy Charge:	\$0.02103 per kWh for the first 7,300,000 kWh \$0.03391 per kWh for all additional kWh
Demand Charge:	\$5.34 per kW of Billing Demand
Minimum:	The Minimum shall be computed as Demand Charge times 75% of the Customer's Maximum Billing Demand during the most recent 12 month period.

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

- a. The contract demand, if any, or;
- b. The highest 15-minute demand during the month as determined by demand meter, adjusted up to 95 percent power factor.

**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:** Service under this Schedule is subject to the terms and conditions in the District's Customer Service Policies, as the same may be amended from time to time.

**RATE SCHEDULE No. 15**  
**LARGE INDUSTRIAL 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:** To industrial customers whose Billing Demand is greater than or equal to 15 MW/MVA, provided however, service to any Customer load or portion thereof which is or becomes a New Large Load as defined by the District's Customer Service Policies shall be served at the rates specified in Rate Schedule No. 94.

**EFFECTIVE:** With meter readings after **April 1, 2023**.

**MONTHLY BILLING RATES: Customer's monthly billing will consist of the following charges:**

Basic Charge:	\$1,017.50 per month
Energy Charge:	\$0.02597 per kWh for the first 10,950,000 kWh \$0.02960 per kWh for 10,950,001 to 21,900,000 kWh \$0.03097 per kWh greater than 21,900,000
Demand Charge:	\$5.78 per kW of Billing Demand
Minimum:	The Minimum shall be computed as Demand Charge times 75% of the Customer's Maximum Billing Demand during the most recent 12 month period.

**ADDITIONAL CHARGES:** Customers on this schedule are subject to charges related to the Estimated Unmet District Load Cost Recovery Adjustment Clause (EUDL CRAC) as determined in accordance with Rate Schedule No. 18 – EUDL CRAC Rider.

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

- a. The contract demand, if any, or;
- b. The highest 15-minute demand during the month as determined by demand meter, adjusted up to 95 percent power factor.

**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:** Service under this Schedule is subject to the terms and conditions in the District's Customer Service Policies, as the same may be amended from time to time.

**RATE SCHEDULE No. 16**  
**AGRICULTURAL FOOD PROCESSING 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:** Customers whose Billing Demand is greater than 5 MW/MVA and less than 15 MW/MVA at plants where the primary purpose is processing, canning, freezing or the frozen storage of agricultural food crops (including livestock, poultry and fish), provided however, service to any Customer load or portion thereof which is or becomes a New Large Load as defined by the District's Customer Service Policies shall be served at the rates specified in Rate Schedule No. 94.

**EFFECTIVE:** With meter readings after ***April 1, 2023.***

**MONTHLY BILLING RATES:** Customer's monthly billing will consist of the following charges:

Basic Charge:	\$651.14 per month
Energy Charge:	\$0.02046 per kWh for the first 7,300,000 kWh
	\$0.03391 per kWh for all additional kWh
Demand Charge:	\$5.36 per kW of Billing Demand
Minimum:	The Minimum shall be computed as Demand Charge times 75% of the Customer's Maximum Billing Demand during the most recent 12 month period.

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

- a. The contract demand, if any, or;
- b. The highest 15-minute demand during the month as determined by demand meter, adjusted up to 95 percent power factor.

**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:** Service under this Schedule is subject to the terms and conditions in the District's Customer Service Policies, as the same may be amended from time to time.

**RATE SCHEDULE No. 17**  
**EVOLVING INDUSTRY 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:** To accounts whose load activity and / or industry is classified as an Evolving Industry. If any part of a load is classified as Evolving Industry, all loads measured by that meter are subject to this rate.

**MONTHLY BILLING RATES: Customer's monthly billing will consist of the following charges:**

**17-A:** For retail customers that would otherwise be served as Residential, Rate Schedule 1, and other retail customers with service less than 200 KW Billing Demand.

**EFFECTIVE:** With meter readings after **April 1, 2023**.

Basic Charge:                 \$1.08 per day

Energy Charge:               \$0.08808 per kWh

Minimum Charge:             \$1.08 per day

**17-B:** For retail customers with service of 200KW or greater Billing Demand.

**EFFECTIVE:** With meter readings after **April 1, 2023**.

Basic Charge:                 \$1,000.00 per month

Energy Charge:               \$0.00389 per kWh

Demand Charge:             \$29.13 per kW of Billing Period

Minimum Charge:             The Minimum shall be computed as Demand Charge times 75% of the Customer's Maximum Billing Demand during the most recent 12-month period.

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

- a. The contract demand, if any, or;
- b. The highest 15-minute demand during the month as determined by demand meter, adjusted up to 95 percent power factor.

**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:** Service under this Schedule is subject to the terms and conditions in the District's Customer Service Policies, as the same may be amended from time to time.



**RATE SCHEDULE No. 85**  
**AGRICULTURAL FOOD PROCESSING BOILER 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:** To electric boilers which are separately metered and are primarily used for the purpose of processing, canning, or freezing agricultural food crops (including livestock, poultry and fish), provided however, service to any Customer load or portion thereof which is or becomes a New Large Load as defined by the District's Customer Service Policies shall be served at the rates specified in Rate Schedule No. 94.

**EFFECTIVE:** With meter readings after ***April 1, 2023***.

**MONTHLY BILLING RATES:** Customer's monthly billing will consist of the following charges:

Basic Charge:	\$1,268.38 per month
Energy Charge:	\$0.02714 per kWh for the first 7,300,000 kWh \$0.03095 per kWh for all additional kWh
Demand Charge:	\$5.93 per kW of Billing Demand
Minimum:	The Minimum shall be computed as Demand Charge times 75% of the Customer's Maximum Billing Demand during the most recent 12 month period.

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

- a. The contract demand, if any, or;
- b. The highest 15-minute demand during the month as determined by demand meter, adjusted up to 95 percent power factor.

**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:** Service under this Schedule is subject to the terms and conditions in the District's Customer Service Policies as the same may be amended from time to time.

**MEMORANDUM**November 22<sup>nd</sup>, 2022**TO:** Rich Wallen, General Manager/Chief Executive Officer**VIA:** Dave Churchman, Chief Customer Officer**FROM:** Julio Aguirre Carmona, Lead Financial Analyst  
Amanpreet Singh, Economist  
Depree Standley, Financial Analyst**SUBJECT:** Approval of revised retail rate schedules for the implementation of a 3% revenue increase with the corresponding class allocations, effective April 1, 2023.

**Purpose:** Approval of revised Rate Schedule (“RS”) Nos. 1, 2, 3, 6, 7, 14, 15, 16, 17 and 85 to implement a 3% annual retail revenue increase with the corresponding class allocations, as discussed during the October 18, 2022, and the November 15, 2022, Commission Workshops.

**Discussion:** On October 18, 2022, and November 15, 2022, the Commission discussed the potential implementation of a 3% increase to Grant PUD retail revenue effective in 2023. Staff brought forward to the Commission some class cost allocation alternatives that could be used to implement a 3% increase in the total annual retail revenue.<sup>1</sup> These alternatives were developed in consideration of the parameters and principles previously set forth in Resolution No. 8768 and recognizing that the last time the Commission approved an overall increase to retail rates was on April 1, 2018, as part of Resolution No. 8879.

Based on Staff’s analysis and after discussing the various alternatives, the Commission directed Staff to revise the current retail rates using their preferred class cost allocation, which is determined as follows:

Rate Class	Proposed Annual Revenue Increase	Current Est. Ave. Unit Rate	Proposed Est. Ave. Unit Rate (4/1/2023)
1. Residential Service	3.40%	\$ 0.05610	\$ 0.05801
2. General Service	3.40%	\$ 0.04862	\$ 0.05028
3. Irrigation Service	3.40%	\$ 0.04491	\$ 0.04644
6. Street Lighting Service	3.40%	\$ 0.20710	\$ 0.21415
7. Large General Service	3.40%	\$ 0.03192	\$ 0.03301
14. Industrial Service	4.35%	\$ 0.02881	\$ 0.03006
15. Large Industrial Service	1.75%	\$ 0.03673	\$ 0.03737
16. Agricultural Processing Service	4.35%	\$ 0.02953	\$ 0.03082
85. Agricultural Food Processing Boiler Service <sup>2</sup>	4.35%	N/A	N/A

<sup>1</sup> The Commission had also previously considered a 2% annual revenue increase for retail service. However, following the recommendation from the Financial Planning and Analysis department, the Commission directed the Rates and Pricing team to develop retail rates assuming an overall revenue increase of 3% for 2023.

<sup>2</sup> Currently there is no energy usage under RS85. Staff will review the appropriateness of maintaining this rate schedule and provide recommendations to the Commission to modify or eliminate RS85 in the next rate review process or earlier if Staff considers it necessary.

To moderate the potential rate impact of the 3% revenue increase on some of the retail classes, while still making progress toward the rate trajectories resulting from Resolution No. 8768, the determination of the percentage increase by rate schedule was performed considering the following factors:

- No rate schedule was subject to a percentage revenue increase greater than 1.75x the system average. This results in a maximum increase of 4.35% for any rate schedule, which in this case is applied to RS14, RS16 and RS85. This upper cap is within the parameter set in Resolution No. 8768 or an increase of no more than 2.5X the system average.
- No rate schedule received a percentage increase lower than 0.58x the system average or 1.75%. This percentage is within the parameter established in Resolution No. 8768 or an increase of no less than 0.25x the system average. In this case, only RS15 is subject to this percentage revenue increase.
- All other retail rate schedules, including all the “core” customers served under RS1, RS2, RS3 and RS7, are subject to a percentage increase of 3.40%, which is marginally higher than the proposed system average increase of 3%.

Furthermore, given the concurrent request for approval of Revised Rate Schedule No. 17 – Evolving Industry, Staff has recalculated and applied to appropriate increase to the Direct Cost element included in Rate Schedule Nos. 17A and 17B, based on the proposed rates from Rate Schedule Nos. 1, 2 and 7. Then, these revised “target” rates for Rate Schedule Nos. 17A and 17B effective on April 1, 2023, have been converted to the corresponding basic charges, volumetric energy rates and demand rate as shown in the RS17 tariff attached to Staff’s proposed Resolution in this case. The resulting RS17 target rates are calculated as follows:

Rate Class	Proposed Annual Revenue Increase	Pending Approval Target Rate (2/1/2023)*	Proposed Target Rate (4/1/2023)
17. Evolving Industry (A)	3.20%	\$ 0.08744	\$ 0.09024
17. Evolving Industry (B)	3.04%	\$ 0.04615	\$ 0.04755

\*As requested and addressed on separate Commission Resolution on November 22, 2022, effective on 2/1/2023.

Staff’s proposed revenue increases by rate schedule are designed to provide Grant PUD with the opportunity to collect sufficient revenues to address the increasing operational costs associated with the Electric System and power purchases from the Priest Rapids Project (“PRP”) and to maintain a sustainable long term financial position and acceptable financial metrics.

After review by the Commission, there was no change to Staff’s proposed revenue increases by rate schedule and the corresponding rates. Rate Schedule Nos. 1, 2, 3, 6, 7, 14, 15, 16, 17 and 85 have been kept as presented to the Commission on November 15, 2022.

**Recommendation:** To adopt via resolution the attached Rate Schedule Nos. 1, 2, 3, 6, 7, 14, 15, 16, 17 and 85 as proposed, with an effective date of April 1, 2023.<sup>2</sup>

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

<sup>2</sup> In the retail tariffs, Staff uses the language “after April 1, 2023” to align the effective date of the increase with the time when the metered data is processed and reported through the billing system.

## Randalynn Hovland

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**From:** Julio Aguirre Carmona  
**Sent:** Thursday, November 10, 2022 2:59 PM  
**To:** Randalynn Hovland  
**Cc:** Cindy McClure; Jennifer Rathbun; Dave Churchman  
**Subject:** RE: Legal Review of Proposed 3% Increase to Revenues in 2023  
**Attachments:** Sch 2\_Apr 1 2023 - (Clean).docx; Sch 3\_Apr 1 2023 - (Clean).doc; Sch 6\_Apr 1 2023 - (Clean).doc; Sch 7\_Apr 1 2023 - (Clean).doc; Sch 14\_Apr 1 2023 - (Clean).doc; Sch 15 Apr 1 2023 - (Clean).doc; Sch 16\_Apr 1 2023 -(Clean).doc; Sch 17\_Apr 1 2023 -(Clean).docx; Sch 85\_Apr 1 2023 - (Clean).doc; Sch 1\_Apr 1 2023 - (Clean).doc; Sch 3\_Apr 1 2023 - (Redline).doc; Sch 6\_Apr 1 2023 - (Redline).doc; Sch 7\_Apr 1 2023 - (Redline).doc; Sch 14\_Apr 1 2023 - (Redline).doc; Sch 15 Apr 1 2023 - (Redline).doc; Sch 16\_Apr 1 2023 -(Redline).doc; Sch 17\_Apr 1 2023 - (Redline).docx; Sch 85\_Apr 1 2023 - (Redline).doc; Sch 1\_Apr 1 2023 - (Redline).doc; Sch 2\_Apr 1 2023 - (Redline).docx

Hi Randi,

Please find attached the content of the zip folders previously provided in the 3% revenue increase packet.

Please let us know if you need any additional documentation.

Thanks.

Julio

### Julio C. Aguirre

*Lead Financial Analyst*

CELL. 505.506.5639

EMAIL [jaguirre@gcpud.org](mailto:jaguirre@gcpud.org)



[grantpud.org](http://grantpud.org)

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**From:** Julio Aguirre Carmona  
**Sent:** Thursday, November 10, 2022 8:41 AM  
**To:** Jennifer Rathbun [jrathbun@gcpud.org](mailto:jrathbun@gcpud.org)  
**Cc:** Cindy McClure [cmcclore@gcpud.org](mailto:cmcclore@gcpud.org)  
**Subject:** FW: Legal Review of Proposed 3% Increase to Revenues in 2023

Good morning Jennifer,

Please find attached the packet for the approval of a 3% increase to retail revenues in 2023, which will impact all of our retail rates. This packet will also be included on the November 22<sup>nd</sup> Commission Agenda. Could you please upload the documents to the Contributions library this morning? Management approval and legal concurrence are provided below.

Please let me know if you have any questions.

Thank you!

Julio

**Julio C. Aguirre**

*Lead Financial Analyst*

CELL. 505.506.5639

EMAIL [jaguirre@gcpud.org](mailto:jaguirre@gcpud.org)



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**From:** Dave Churchman <[Dchurchman@gcpud.org](mailto:Dchurchman@gcpud.org)>  
**Sent:** Thursday, November 10, 2022 8:28 AM  
**To:** Julio Aguirre Carmona <[jaguirre@gcpud.org](mailto:jaguirre@gcpud.org)>  
**Subject:** RE: Legal Review of Proposed 3% Increase to Revenues in 2023

Thanks for all the work on this. This looks good!

Dave

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**From:** Julio Aguirre Carmona <[jaguirre@gcpud.org](mailto:jaguirre@gcpud.org)>  
**Sent:** Wednesday, November 9, 2022 1:55 PM  
**To:** Dave Churchman <[Dchurchman@gcpud.org](mailto:Dchurchman@gcpud.org)>  
**Subject:** FW: Legal Review of Proposed 3% Increase to Revenues in 2023

Hi Dave,

Could you please reply to this email confirming your approval of the Memo and proposed Resolution for the implementation for a 3% increase to retail revenues in 2023? (Attached for your reference).

Thank you.

Julio

**Julio C. Aguirre**

*Lead Financial Analyst*

CELL. 505.506.5639

EMAIL [jaguirre@gcpud.org](mailto:jaguirre@gcpud.org)



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**From:** Mitchell Delabarre <[Mdelaba@gcpud.org](mailto:Mdelaba@gcpud.org)>  
**Sent:** Monday, November 7, 2022 12:03 PM  
**To:** Julio Aguirre Carmona <[jaguirre@gcpud.org](mailto:jaguirre@gcpud.org)>  
**Cc:** Leah Mauceri <[Lmaucer@gcpud.org](mailto:Lmaucer@gcpud.org)>; Depree Standley <[dstandley@gcpud.org](mailto:dstandley@gcpud.org)>; Amanpreet Singh <[asingh@gcpud.org](mailto:asingh@gcpud.org)>  
**Subject:** Re: Legal Review of Proposed 3% Increase to Revenues in 2023

Julio,  
With completion of the resolution to include the resolution number that adopted RS 17, the current resolution is approved for Commission consideration.  
Mitch

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**From:** Julio Aguirre Carmona <[jaguirre@gcpud.org](mailto:jaguirre@gcpud.org)>  
**Sent:** Monday, November 7, 2022 10:30 AM  
**To:** Mitchell Delabarre <[Mdelaba@gcpud.org](mailto:Mdelaba@gcpud.org)>  
**Cc:** Leah Mauceri <[Lmaucer@gcpud.org](mailto:Lmaucer@gcpud.org)>; Depree Standley <[dstandley@gcpud.org](mailto:dstandley@gcpud.org)>; Amanpreet Singh <[asingh@gcpud.org](mailto:asingh@gcpud.org)>  
**Subject:** Legal Review of Proposed 3% Increase to Revenues in 2023

Good morning Mitch,

Please find attached the packet to be submitted to the Commission for the approval of the proposed increase of 3% to revenues for retail service. You can also find the documents here:  [2023 3% Increase](#)

Please let us know if you have any questions or concerns. Otherwise, we would appreciate it if you could provide us with your legal concurrence, by COB tomorrow if possible, so that we can submit this packet for the Commission's consideration at their 11/22 meeting.

Thank you!

Julio

**Julio C. Aguirre**  
*Lead Financial Analyst*

CELL. 505.506.5639  
EMAIL [jaguirre@gcpud.org](mailto:jaguirre@gcpud.org)



**RATE SCHEDULE No. 1**  
**DOMESTIC 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:** To single family dwelling, individual apartment or farmhouse for single-phase service.

**EFFECTIVE:** With meter readings after *April 1, 2023*.

**MONTHLY BILLING RATE:** The Customer's monthly billing will consist of a basic charge, an energy charge and a minimum charge as set forth below:

Basic Charge:	\$0.57 per day
Energy Charge:	\$0.04702 per kWh
Minimum Charge:	\$20.00 per Month

**FOR QUALIFYING LOW-INCOME CUSTOMERS:** Qualified low income senior citizens or qualified low income disabled customers shall receive a discount equal to 20% of the monthly bill, exclusive of taxes. Eligibility and qualification requirements for these low income rate discounts will be as specified in the District's Customer Service Policies.

**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 the District's Customer Service Policies, as periodically amended.

~~8879XXXX~~

**RATE SCHEDULE No. 1**  
**DOMESTIC 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:** To single family dwelling, individual apartment or farmhouse for single-phase service.

**EFFECTIVE:** With meter readings ~~on and~~ after *April 1, 2018*~~23~~, ~~usage will be prorated to the new rates based on number of days after March 31, 2018.~~

**MONTHLY BILLING RATE:** The Customer's monthly billing will consist of a basic charge, an energy charge and a minimum charge as set forth below:

Basic Charge:	\$0. <del>5557</del> per day
Energy Charge:	\$0. <del>0454704702</del> per kWh
Minimum Charge:	\$20.00 per Month

**FOR QUALIFYING LOW-INCOME CUSTOMERS:** Qualified low income senior citizens or qualified low income disabled customers shall receive a discount equal to 20% of the monthly bill, exclusive of taxes. Eligibility and qualification requirements for these low income rate discounts will be as specified in the District's Customer Service Policies.

**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 the District's Customer Service Policies, as periodically amended.



**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 after *April 1, 2023*.

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

**Rate Schedule No. 2 & 2F**

Basic Charge:	Single-phase	\$0.72 per day
	Three-phase	\$1.08 per day
Energy Charge:	First 10,000 kWh	\$0.04389 per kWh
	Additional kWh	\$0.04389 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.	

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.

**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.

**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~~ April 1, 2023.

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

**Rate Schedule No. 2 & 2F**

Basic Charge:	Single-phase	\$ <del>0.70-72</del> per day
	Three-phase	\$ <del>1.041.08</del> per day
Energy Charge:	First 10,000 kWh	\$ <del>0.04245-04389</del> per kWh
	Additional kWh	\$ <del>0.04245-04389</del> 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.	

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.

**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.

**RATE SCHEDULE No. 3**  
**IRRIGATION 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:** Customers with irrigation, orchard temperature control or soil drainage loads not exceeding 2,500 horsepower and other miscellaneous power needs including lighting. For miscellaneous power requirements, customers will furnish additional transformers and other equipment necessary. A grinder, chopper, welder, etc., may be used on a limited operation basis; provided, a double-throw switch or other suitable device is installed that will disconnect one piece of equipment from the line while the other is in operation; provided further, that the load so connected is less than the primary load.

Customers receiving service pursuant this rate schedule shall be required to pay charges as set forth below.

**EFFECTIVE:** With meter readings after *April 1, 2023*.

**CAPACITY CHARGE:** The Capacity Charge is a recurring charge that is based on the Customer's Billing Horsepower. The Customer's Billing Horsepower is equal to the sum of the horsepower ratings of all of the Customer's equipment that may be operated at the same time under one meter. In no case will charges be based on a Customer's Billing Horsepower of less than two horsepower for single-phase service, nor less than five horsepower for three-phase service. Whenever horsepower requirements, as calculated from the metered demand, exceed nameplate horsepower ratings of the operating load, the District may base its charges upon those requirements.

The Capacity Charge will be determined in accordance with the following:

- |                          |               |
|--------------------------|---------------|
| a) First 75 hp billed at | \$2.76 per hp |
| b) Over 75 hp billed at  | \$2.53 per hp |

The Capacity Charge is based on a seven (7) month irrigation season and is billed monthly.

**ENERGY CHARGE:** The Energy Charge is based on the number of kilowatt hours consumed by the Customer during the billing period in accordance with the following:

All kWh billed at	\$0.02993 per kWh
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The Energy Charge is billed over the seven (7) month irrigation season and is billed monthly.

**BASIC CHARGE:** The Basic Charge is based on a seven (7) month irrigation season and is billed monthly.

Single-phase	\$30.36 per month
Three-phase	\$43.35 per month

**MINIMUM CHARGE:**

*The Monthly Minimum Charge is the monthly Capacity Charge and \$30.36 per month for Single-phase or \$43.35 per month for Three-phase.*

**TAX ADJUSTMENT:** The amount 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:** Service provided pursuant to this rate schedule is subject to terms and conditions of the District's Customer Service policies, as periodically amended.

**RATE SCHEDULE No. 3**  
**IRRIGATION 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:** Customers with irrigation, orchard temperature control or soil drainage loads not exceeding 2,500 horsepower and other miscellaneous power needs including lighting. For miscellaneous power requirements, customers will furnish additional transformers and other equipment necessary. A grinder, chopper, welder, etc., may be used on a limited operation basis; provided, a double-throw switch or other suitable device is installed that will disconnect one piece of equipment from the line while the other is in operation; provided further, that the load so connected is less than the primary load.

Customers receiving service pursuant this rate schedule shall be required to pay charges as set forth below.

**EFFECTIVE:** With meter readings ~~on and~~ after **April 1, 20~~18~~23**.

**CAPACITY CHARGE:** The Capacity Charge is a recurring charge that is based on the Customer's Billing Horsepower. The Customer's Billing Horsepower is equal to the sum of the horsepower ratings of all of the Customer's equipment that may be operated at the same time under one meter. In no case will charges be based on a Customer's Billing Horsepower of less than two horsepower for single-phase service, nor less than five horsepower for three-phase service. Whenever horsepower requirements, as calculated from the metered demand, exceed nameplate horsepower ratings of the operating load, the District may base its charges upon those requirements.

The Capacity Charge will be determined in accordance with the following:

- a) First 75 hp billed at                      \$-2.~~67~~76 per hp
- b) Over 75 hp billed at                      \$-2.~~45~~53 per hp

The Capacity Charge is based on a seven (7) month irrigation season and is billed monthly.

**ENERGY CHARGE:** The Energy Charge is based on the number of kilowatt hours consumed by the Customer during the billing period in accordance with the following:

- All kWh billed at                              \$-0.~~02895~~02993 per kWh

The Energy Charge is billed over the seven (7) month irrigation season and is billed monthly.

**BASIC CHARGE:** The Basic Charge is based on a seven (7) month irrigation season and is billed monthly.

- Single-phase              \$~~2930~~.36 per month
- Three-phase              \$~~41.9243.35~~ per month

**MINIMUM CHARGE:**

*The Monthly Minimum Charge is the monthly Capacity Charge and \$~~2930~~.36 per month for Single-phase or \$~~41.9243.35~~ per month for Three-phase.*

**TAX ADJUSTMENT:** The amount 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:** Service provided pursuant to this rate schedule is subject to terms and conditions of the District's Customer Service policies, as periodically amended.

**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.

**EFFECTIVE:** *April 1, 2023.*

**MONTHLY RATE:**

<b>Conventional Group 1</b>	<b>\$9.66</b>	<b>Conventional Group 2</b>	<b>\$13.08</b>
*5,800 Lumen High Pressure Sodium (70 Watt) 16,000 Lumen High Pressure Sodium (150 Watt) Up to 105 Watt LED		22,000 Lumen High Pressure Sodium (200 Watt) *27,000 Lumen High Pressure Sodium (250 Watt) 106-185 Watt LED	
<b>Conventional Group 3</b>	<b>\$18.47</b>	<b>Conventional Standards<sup>1</sup></b>	
50,000 Lumen High Pressure Sodium (400 Watt) 186-310 Watt LED		25' – 30' **                      \$5.65 35' – 40' **                      \$7.81	
*Rate applicable only to existing lights.		** Mounting height of lamps.	

<sup>1</sup>Standards 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:**

<b>Decorative Unit 1</b>	<b>\$43.09</b>	<b>Decorative 1A</b>	<b>\$22.94</b>
Tapered post, two plain arms with acorn globes.		Two modified plain arms with acorn globes.	
<b>Decorative Unit 2</b>	<b>\$44.30</b>	<b>Decorative Unit 2A</b>	<b>\$25.68</b>
Fluted post, two filigreed arms with acorn globes.		Two modified filigreed arms with acorn globes.	
<b>OPTIONS<sup>1</sup>:</b>		<b>COST PER UNIT</b>	
REFLECTOR & REFRACTORS, pair		\$3.05	
POWER:        - Up to 35 Watt two lamps		\$0.80	
- 36 - 70 Watt two lamps		\$1.49	
- 71 - 150 Watt two lamps		\$3.05	

<sup>1</sup>Reflector/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.

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



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.

**RATE SCHEDULE No. 7**  
**LARGE GENERAL SERVICE**

**AVAILABLE:** To accounts with loads not less than 200 kW or more than 5,000 kW Billing Demand for general service lighting, heating and power requirements. **Service will NOT be provided under this rate schedule to process heating or boiler service loads greater than 3,000 kW unless such loads were served on this rate schedule prior to January 1, 2001. Such loads will be served on Rate Schedule 85 or its successor.**

**EFFECTIVE:** With meter readings after *April 1, 2023*.

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

Basic Charge:	\$153.36 per month
Energy Charge:	\$0.02171 per kWh for the first 50,000 kWh \$0.01920 per kWh for all additional kWh
Demand Charge:	\$5.13 per kW of Billing Demand
Minimum Charge:	\$153.36 per month

**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 the District's Customer Service Policies, as periodically amended.



**RATE SCHEDULE No. 7**  
**LARGE GENERAL SERVICE**

**AVAILABLE:** To accounts with loads not less than 200 kW or more than 5,000 kW Billing Demand for general service lighting, heating and power requirements. **Service will NOT be provided under this rate schedule to process heating or boiler service loads greater than 3,000 kW unless such loads were served on this rate schedule prior to January 1, 2001. Such loads will be served on Rate Schedule 85 or its successor.**

**EFFECTIVE:** With meter readings ~~on and~~ after *April 1, 2018*~~2023~~, ~~usage will be prorated to the new rates based on number of days after March 31, 2018.~~

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

Basic Charge:	\$ <del>148.32</del> <u>153.36</u> per month
Energy Charge:	\$ <del>0.02100</del> <u>02171</u> per kWh for the first 50,000 kWh \$ <del>0.01857</del> <u>01920</u> per kWh for all additional kWh
Demand Charge:	\$ <del>4.965</del> <u>.13</u> per kW of Billing Demand
Minimum Charge:	\$ <del>148.32</del> <u>153.36</u> per month

**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 the District's Customer Service Policies, as periodically amended.

**RATE SCHEDULE No. 14**  
**INDUSTRIAL 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:** To industrial customers whose Billing Demand is greater than 5 MW/MVA and less than 15 MW/MVA, provided however, service to any Customer load or portion thereof which is or becomes a New Large Load as defined by the District's Customer Service Policies shall be served at the rates specified in Rate Schedule No. 94.

**EFFECTIVE:** With meter readings after *April 1, 2023*.

**MONTHLY BILLING RATES:** Customer's monthly billing will consist of the following charges:

Basic Charge:	\$651.14 per month
Energy Charge:	\$0.02103 per kWh for the first 7,300,000 kWh \$0.03391 per kWh for all additional kWh
Demand Charge:	\$5.34 per kW of Billing Demand
Minimum:	The Minimum shall be computed as Demand Charge times 75% of the Customer's Maximum Billing Demand during the most recent 12 month period.

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

- a. The contract demand, if any, or;
- b. The highest 15-minute demand during the month as determined by demand meter, adjusted up to 95 percent power factor.

**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:** Service under this Schedule is subject to the terms and conditions in the District's Customer Service Policies, as the same may be amended from time to time.

**RATE SCHEDULE No. 14**  
**INDUSTRIAL 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:** To industrial customers whose Billing Demand is greater than 5 MW/MVA and less than 15 MW/MVA, provided however, service to any Customer load or portion thereof which is or becomes a New Large Load as defined by the District's Customer Service Policies shall be served at the rates specified in Rate Schedule No. 94.

**EFFECTIVE:** With meter readings ~~on and~~ after *April 1, 2018*~~23~~, ~~usage will be prorated to the new rates based on number of days after March 31, 2018.~~

**MONTHLY BILLING RATES:** Customer's monthly billing will consist of the following charges:

Basic Charge:	\$ <del>624.00</del> <u>651.14</u> per month
Energy Charge:	\$ 0. <del>02015-02103</del> per kWh for the first 7,300,000 kWh \$ 0. <del>03250-03391</del> per kWh for all additional kWh
Demand Charge:	\$ <del>5-125.34</del> per kW of Billing Demand
Minimum:	The Minimum shall be computed as Demand Charge times 75% of the Customer's Maximum Billing Demand during the most recent 12 month period.

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

- a. The contract demand, if any, or;
- b. The highest 15-minute demand during the month as determined by demand meter, adjusted up to 95 percent power factor.

**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:** Service under this Schedule is subject to the terms and conditions in the District's Customer Service Policies, as the same may be amended from time to time.

**RATE SCHEDULE No. 15**  
**LARGE INDUSTRIAL 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:** To industrial customers whose Billing Demand is greater than or equal to 15 MW/MVA, provided however, service to any Customer load or portion thereof which is or becomes a New Large Load as defined by the District's Customer Service Policies shall be served at the rates specified in Rate Schedule No. 94.

**EFFECTIVE:** With meter readings after *April 1, 2023*.

**MONTHLY BILLING RATES:** Customer's monthly billing will consist of the following charges:

Basic Charge:	\$1,017.50 per month
Energy Charge:	\$0.02597 per kWh for the first 10,950,000 kWh \$0.02960 per kWh for 10,950,001 to 21,900,000 kWh \$0.03097 per kWh greater than 21,900,000
Demand Charge:	\$5.78 per kW of Billing Demand
Minimum:	The Minimum shall be computed as Demand Charge times 75% of the Customer's Maximum Billing Demand during the most recent 12 month period.

**ADDITIONAL CHARGES:** Customers on this schedule are subject to charges related to the Estimated Unmet District Load Cost Recovery Adjustment Clause (EUDL CRAC) as determined in accordance with Rate Schedule No. 18 – EUDL CRAC Rider.

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

- a. The contract demand, if any, or;
- b. The highest 15-minute demand during the month as determined by demand meter, adjusted up to 95 percent power factor.

**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:** Service under this Schedule is subject to the terms and conditions in the District's Customer Service Policies, as the same may be amended from time to time.

**RATE SCHEDULE No. 15**  
**LARGE INDUSTRIAL 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:** To industrial customers whose Billing Demand is greater than or equal to 15 MW/MVA, provided however, service to any Customer load or portion thereof which is or becomes a New Large Load as defined by the District's Customer Service Policies shall be served at the rates specified in Rate Schedule No. 94.

**EFFECTIVE:** With meter readings ~~on and after April 1, 2018~~ ~~usage will be prorated to the new rates based on number of days after March 31, 2018.~~ ~~Revised October 11, 2022.~~

**MONTHLY BILLING RATES:** Customer's monthly billing will consist of the following charges:

Basic Charge:	\$ <del>1,000.00</del> <u>1,017.50</u> per month
Energy Charge:	\$ <del>0.02552</del> <u>0.02597</u> per kWh for the first 10,950,000 kWh
	\$ <del>0.02909</del> <u>0.02960</u> per kWh for 10,950,001 to 21,900,000 kWh
	\$ <del>0.03044</del> <u>0.03097</u> per kWh greater than 21,900,000
Demand Charge:	\$ <del>5.685</del> <u>5.78</u> per kW of Billing Demand
Minimum:	The Minimum shall be computed as Demand Charge times 75% of the Customer's Maximum Billing Demand during the most recent 12 month period.

**ADDITIONAL CHARGES:** Customers on this schedule are subject to charges related to the Estimated Unmet District Load Cost Recovery Adjustment Clause (EUDL CRAC) as determined in accordance with Rate Schedule No. 18 – EUDL CRAC Rider.

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

- a. The contract demand, if any, or;
- b. The highest 15-minute demand during the month as determined by demand meter, adjusted up to 95 percent power factor.

**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:** Service under this Schedule is subject to the terms and conditions in the District's Customer Service Policies, as the same may be amended from time to time.

**RATE SCHEDULE No. 16**  
**AGRICULTURAL FOOD PROCESSING 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:** Customers whose Billing Demand is greater than 5 MW/MVA and less than 15 MW/MVA at plants where the primary purpose is processing, canning, freezing or the frozen storage of agricultural food crops (including livestock, poultry and fish), provided however, service to any Customer load or portion thereof which is or becomes a New Large Load as defined by the District's Customer Service Policies shall be served at the rates specified in Rate Schedule No. 94.

**EFFECTIVE:** With meter readings after *April 1, 2023*.

**MONTHLY BILLING RATES:** Customer's monthly billing will consist of the following charges:

Basic Charge:	\$651.14 per month
Energy Charge:	\$0.02046 per kWh for the first 7,300,000 kWh \$0.03391 per kWh for all additional kWh
Demand Charge:	\$5.36 per kW of Billing Demand
Minimum:	The Minimum shall be computed as Demand Charge times 75% of the Customer's Maximum Billing Demand during the most recent 12 month period.

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

- a. The contract demand, if any, or;
- b. The highest 15-minute demand during the month as determined by demand meter, adjusted up to 95 percent power factor.

**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:** Service under this Schedule is subject to the terms and conditions in the District's Customer Service Policies, as the same may be amended from time to time.

**RATE SCHEDULE No. 16**  
**AGRICULTURAL FOOD PROCESSING 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:** Customers whose Billing Demand is greater than 5 MW/MVA and less than 15 MW/MVA at plants where the primary purpose is processing, canning, freezing or the frozen storage of agricultural food crops (including livestock, poultry and fish), provided however, service to any Customer load or portion thereof which is or becomes a New Large Load as defined by the District's Customer Service Policies shall be served at the rates specified in Rate Schedule No. 94.

**EFFECTIVE:** With meter readings ~~on and after April 1, 2018~~~~23, usage will be prorated to the new rates based on number of days after March 31, 2018.~~

**MONTHLY BILLING RATES:** Customer's monthly billing will consist of the following charges:

Basic Charge:	\$ <del>624.00</del> <u>651.14</u> per month
Energy Charge:	\$ <del>0.01961</del> <u>02046</u> per kWh for the first 7,300,000 kWh
	\$ <del>0.03250</del> <u>03391</u> per kWh for all additional kWh
Demand Charge:	\$ <del>5.145</del> <u>36</u> per kW of Billing Demand
Minimum:	The Minimum shall be computed as Demand Charge times 75% of the Customer's Maximum Billing Demand during the most recent 12 month period.

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

- a. The contract demand, if any, or;
- b. The highest 15-minute demand during the month as determined by demand meter, adjusted up to 95 percent power factor.

**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:** Service under this Schedule is subject to the terms and conditions in the District's Customer Service Policies, as the same may be amended from time to time.

**RATE SCHEDULE No. 17**  
**EVOLVING INDUSTRY 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:** To accounts whose load activity and / or industry is classified as an Evolving Industry. If any part of a load is classified as Evolving Industry, all loads measured by that meter are subject to this rate.

**MONTHLY BILLING RATES:** Customer's monthly billing will consist of the following charges:

**17-A:** For retail customers that would otherwise be served as Residential, Rate Schedule 1, and other retail customers with service less than 200 KW Billing Demand.

**EFFECTIVE:** With meter readings after ~~February~~ April 1, 2023.

Basic Charge: \$1.~~04~~08 per day

Energy Charge: \$0.~~08535~~08808 per kWh

Minimum Charge: \$1.~~04~~08 per day

**17-B:** For retail customers with service of 200KW or greater Billing Demand.

**EFFECTIVE:** With meter readings after ~~February~~ April 1, 2023.

Basic Charge: \$1,000.00 per month

Energy Charge: \$0.00389 per kWh

Demand Charge: \$~~28.18~~29.13 per kW of Billing Period

Minimum Charge: The Minimum shall be computed as Demand Charge times 75% of the Customer's Maximum Billing Demand during the most recent 12-month period.

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

- a. The contract demand, if any, or;
- b. The highest 15-minute demand during the month as determined by demand meter, adjusted up to 95 percent power factor.

**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:** Service under this Schedule is subject to the terms and conditions in the District's Customer Service Policies, as the same may be amended from time to time.



**RATE SCHEDULE No. 17**  
**EVOLVING INDUSTRY 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:** To accounts whose load activity and / or industry is classified as an Evolving Industry. If any part of a load is classified as Evolving Industry, all loads measured by that meter are subject to this rate.

**MONTHLY BILLING RATES:** Customer's monthly billing will consist of the following charges:

**17-A:** For retail customers that would otherwise be served as Residential, Rate Schedule 1, and other retail customers with service less than 200 KW Billing Demand.

**EFFECTIVE:** With meter readings after *April 1, 2023*.

Basic Charge: \$1.08 per day

Energy Charge: \$0.08808 per kWh

Minimum Charge: \$1.08 per day

**17-B:** For retail customers with service of 200KW or greater Billing Demand.

**EFFECTIVE:** With meter readings after *April 1, 2023*.

Basic Charge: \$1,000.00 per month

Energy Charge: \$0.00389 per kWh

Demand Charge: \$29.13 per kW of Billing Period

Minimum Charge: The Minimum shall be computed as Demand Charge times 75% of the Customer's Maximum Billing Demand during the most recent 12-month period.

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

- a. The contract demand, if any, or;
- b. The highest 15-minute demand during the month as determined by demand meter, adjusted up to 95 percent power factor.

**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:** Service under this Schedule is subject to the terms and conditions in the District's Customer Service Policies, as the same may be amended from time to time.

**RATE SCHEDULE No. 85**  
**AGRICULTURAL FOOD PROCESSING BOILER 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:** To electric boilers which are separately metered and are primarily used for the purpose of processing, canning, or freezing agricultural food crops (including livestock, poultry and fish), provided however, service to any Customer load or portion thereof which is or becomes a New Large Load as defined by the District's Customer Service Policies shall be served at the rates specified in Rate Schedule No. 94.

**EFFECTIVE:** With meter readings after *April 1, 2023*.

**MONTHLY BILLING RATES:** Customer's monthly billing will consist of the following charges:

Basic Charge:	\$1,268.38 per month
Energy Charge:	\$0.02714 per kWh for the first 7,300,000 kWh \$0.03095 per kWh for all additional kWh
Demand Charge:	\$5.93 per kW of Billing Demand
Minimum:	The Minimum shall be computed as Demand Charge times 75% of the Customer's Maximum Billing Demand during the most recent 12 month period.

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

- a. The contract demand, if any, or;
- b. The highest 15-minute demand during the month as determined by demand meter, adjusted up to 95 percent power factor.

**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:** Service under this Schedule is subject to the terms and conditions in the District's Customer Service Policies as the same may be amended from time to time.

**RATE SCHEDULE No. 85**  
**AGRICULTURAL FOOD PROCESSING BOILER 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:** To electric boilers which are separately metered and are primarily used for the purpose of processing, canning, or freezing agricultural food crops (including livestock, poultry and fish), provided however, service to any Customer load or portion thereof which is or becomes a New Large Load as defined by the District's Customer Service Policies shall be served at the rates specified in Rate Schedule No. 94.

**EFFECTIVE:** With meter readings ~~on and after April 1, 2018~~~~2023, usage will be prorated to the new rates based on number of days after March 31, 2018.~~

**MONTHLY BILLING RATES:** Customer's monthly billing will consist of the following charges:

Basic Charge:	\$ <del>1,215.51</del> <u>1,268.38</u> per month
Energy Charge:	\$ <del>0.02601</del> <u>0.02714</u> per kWh for the first 7,300,000 kWh \$ <del>0.02966</del> <u>0.03095</u> per kWh for all additional kWh
Demand Charge:	\$ <del>5.685</del> <u>5.93</u> per kW of Billing Demand
Minimum:	The Minimum shall be computed as Demand Charge times 75% of the Customer's Maximum Billing Demand during the most recent 12 month period.

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

- a. The contract demand, if any, or;
- b. The highest 15-minute demand during the month as determined by demand meter, adjusted up to 95 percent power factor.

**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:** Service under this Schedule is subject to the terms and conditions in the District's Customer Service Policies as the same may be amended from time to time.

RESOLUTION NO. 9007

A RESOLUTION AUTHORIZING THE EXECUTION OF A COLLECTIVE BARGAINING AGREEMENT  
BETWEEN THE GRANT PUD AND LOCAL UNION 77 OF THE INTERNATIONAL BROTHERHOOD OF  
ELECTRICAL WORKERS

Recitals:

1. RCW 54.04.170 and RCW 54.04.180 authorize Grant PUD and its employees to enter into collective bargaining;
2. Central Washington Public Utilities (CWPU) is an association organized for the purpose of collective bargaining on behalf of several public utilities including the District;
3. Local Union 77 of the International Brotherhood of Electrical Workers (IBEW Local 77) is the sole and exclusive bargaining agency with respect to rates of pay, hours of work and other conditions of employment for those employees covered by the classifications set forth in Article 9 of the existing collective bargaining agreement;
4. Representatives of Grant PUD and IBEW Local 77 have been negotiating over wages, hours and working conditions for bargaining unit personnel and during the course of negotiations, Grant PUD's Supervisor of Human Resources, and Chief Operations Officer, entered into the following tentative agreements with the IBEW Local 77 Business Manager in order to facilitate settlement: Grant PUD Tentative Agreement dated 11/01/2022;
5. On 11/17/2022, a majority of the bargaining unit employees ratified a new collective bargaining agreement proposal consisting of the changes outlined in the tentative agreement referred to above, which will become effective April 1, 2023.
6. Notice has been given of the excess compensation provisions of this Contract pursuant to RCW 41.50.152; and
7. Grant PUD's Supervisor of Human Resources and the negotiating team are of the opinion that the proposal should be approved in consideration of future services to be provided by the bargaining unit after the date of ratification, that further negotiations are not cost-effective, and that the contract proposal ratified by the bargaining unit employees is reasonable and in the best interests of Grant PUD.

NOW, THEREFORE, BE IT RESOLVED as follows:

The President and Secretary of the Commission are authorized to sign on behalf of Grant PUD a three (3) year collective bargaining agreement with IBEW Local 77 (Contract No. 430-503) consistent with the attached tentative agreement effective April 1, 2023 through March 31, 2026.

PASSED AND APPROVED by the Commission of Public Utility District No. 2 of Grant County, Washington, this 13<sup>th</sup> day of December, 2022.

\_\_\_\_\_  
President

ATTEST:

\_\_\_\_\_  
Secretary

\_\_\_\_\_  
Vice President


\_\_\_\_\_  
Commissioner

\_\_\_\_\_  
Commissioner

**MEMORANDUM**

November 29, 2022

TO: Rich Wallen, General Manager

VIA: Dave Churchman, Chief Customer Officer  
Thomas Stredwick, Senior Manager Employee Experience   
Tod Ayers, Human Resources Manager

FROM: Sara Matzen, Supervisor Human Resources

SUBJECT: Commission Approval of Collective Bargaining Agreement (2023-2026)

**Discussion:**

The Bargaining Unit ratified the Collective Bargaining Agreement on November 17, 2022, reflecting the changes outlined in the attached tentative agreements (TAs) between CWPU, Grant PUD and IBEW, Local 77 November 1, 2022.

1. Local Negotiations - General Wage Increase:
  - a. A General Wage Increase (GWI) for the apprenticed craft to start of each contract year (April 1<sup>st</sup>) for all employees covered by the Collective Bargaining Agreement with the following:
    - i. Year 1 – 8%
    - ii. Year 2 – 5.25%
    - iii. Year 3 – 5.25%
  - b. A General Wage Increase (GWI) for the non-apprenticed craft to start of each contract year (April 1<sup>st</sup>) for all employees covered by the Collective Bargaining Agreement with the following:
    - i. Year 1 – 8%
    - ii. Year 2 – 3%
    - iii. Year 3 – 3%
2. CWPU joint negotiations – Please see attached tentative agreement (TA) for detailed information.

Attached is a draft resolution for approval of the new CBA by the Commission. To fulfill public notice requirements as outlined in RCW 41.50.150, a draft "Public Notice of Excess Compensation" is also provided. This notice should be posted with the Commission agenda.

**Recommendation:**

Staff submits the attached resolution regarding the negotiated Collective Bargaining Agreement for Commission review and approval at the December 13, 2023, Commission meeting.

Attached: Resolution  
Grant PUD and IBEW, Local 77 Tentative Agreement  
Public Notice of Excess Compensation Provision RCW 41.50.150

**CENTRAL WASHINGTON PUBLIC UTILITIES/IBEW LOCAL 77  
TENTATIVE AGREEMENT ON JOINT BARGAINING**

The purpose of this Tentative Agreement between the International Brotherhood of Electrical Workers Local No. 77 ("IBEW") and the Central Washington Public Utilities ("CWPU") (collectively the "Parties") is to memorialize agreements reached between the Parties during Joint negotiations sessions regarding Unified Insurance Program ("UIP") health and wellness benefits pursuant to the 2019 Revised Bargaining Guidelines Agreement.

**AGREEMENT**

The Parties have reached formal agreement on all material terms related to UIP health and wellness benefits after a robust process of Joint negotiations, which are as follows:

- A. CDHP Cost Sharing. Increase monthly employee cost (all tiers) under the CDHP plan from ten dollars (\$10.00) to twenty dollars (\$20.00), to be effective January 1, 2024.

Effective January 1, 2024, modify Appendix A of the collective bargaining agreement to read:

**CDHP Design Benefits**

Premium	\$20 Employee premium per month/all tiers
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- B. Adopt the following UIP Trustees' recommended changes to UIP health and wellness benefits, effective January 1, 2024.

(1) Continue to offer virtual care for general medical, mental health and substance abuse disorder visits at ten dollars (\$10.00) copay per visit under both the PPO and CDHP plans.

(2) The KrowdFit wellness program shall be discontinued December 31, 2023, unless the free offering by Premera is extended beyond that date.

(3) For covered services received at Centers of Excellence, waive the deductible and coinsurance, and include a travel benefit limited to seven thousand five-hundred dollars (\$7,500.00) subject to IRS limits and plan requirements.

(4) Replace the current CDHP preventive drug list with Premera's preventive drug list PV Core Plus (current drug list is being discontinued effective December 31, 2023).

(5) Change the long-term disability (LTD) premium from a fixed dollar amount to a rate based on regular straight time base wages and increase the LTD buy-up maximum benefit amount to ten thousand dollars (\$10,000.00).

C. Discontinue September 9, 2019 Letter of Understanding regarding Paid Family and Medical Leave and replace with new Letter of Understanding as follows:

The Employer shall continue its voluntary plan for paid medical benefits in lieu of the Washington Paid Family and Medical Leave program. The waiting period for benefits for eligible employees under the voluntary plan shall be consistent RCW 50A.15.020.

The Employer reserves the right to withdraw the voluntary plan for paid medical leave benefits. In the event of such withdrawal, all rights and responsibilities under RCW 50A and related rules will apply. The parties agree to meet in Labor Management to bargain the impact of the withdrawal.

D. Adopt Letter of Agreement: Clarification of HRA Payment of CDHP Plan Option amending LOA dated March 3, 2014 on the same subject (see attached).

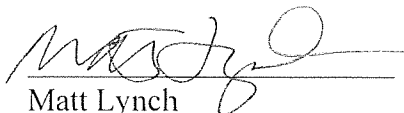
Execution of this Tentative Agreement formally and finally concludes Joint negotiations related to UIP health and wellness benefits and authorizes commencement of Individual negotiations.

All provisions of the existing collective bargaining agreement ("CBA") which have not been specifically modified by this Tentative Agreement shall continue and be incorporated into the full successor CBA subject to any agreed-upon changes following Individual negotiations.

In the event an individual member or group of members are unable to ratify a successor CBA, the Joint negotiation of UIP health and wellness benefits may be reopened for that affiliate's bargaining unit subject to the limitations of the Joint tentative agreement.


This Memorandum will take effect upon execution by both Parties, and will remain in effect until the Parties have ratified a successor CBA.

For CWPU:

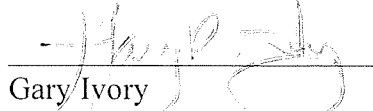
  
\_\_\_\_\_  
Matt Lynch  
Management Attorney

9/1/22  
\_\_\_\_\_  
Date

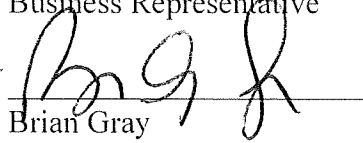
For IBEW:

  
\_\_\_\_\_  
Tim Barnett  
Business Representative

9-1-2022  
\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Gary Ivory  
Chairman

9.1.22  
\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Brian Gray  
Assistant Business Manager

9-1-2022  
\_\_\_\_\_  
Date

# Local Grant – IBEW Negotiations – Tentative Agreements

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## 1. Wage Package Non-Apprentices

- a. 8% GWI increase for April 1, 2023
- b. 3% GWI increase for April 1, 2024
- c. 3% GWI increase for April 1, 2025

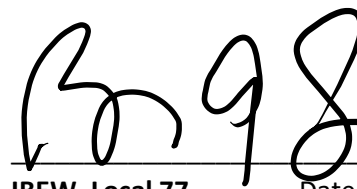
## 2. Wage Package Apprentice Craft

- a. 8% GWI increase for April 1, 2023
- b. 5.25% GWI increase for April 1, 2024
- c. 5.25% GWI increase for April 1, 2025

For the Union:

Signed by Brian Gray


Assistant Business Manager

  
\_\_\_\_\_  
IBEW, Local 77                      Date                      11/1/2022

For Grant PUD:

Signed by Jeff Grizzel

Chief Operations Operator

  
\_\_\_\_\_  
Grant PUD                                      Date                                      11/1/2022



## **Public Notice of Excess Compensation Provision RCW 41.50.150 (SB 5990)**

The proposed Collective Bargaining Agreement contains provisions which, in the case of employees who are members of PERS Plan 1, may result in the District being billed for excess compensation payments. These provisions are included in Article 2, which contains a severance package in lieu of an employee being reassigned due to lack of work because of automation/technological change, and also in Article 5, which contains leave provisions. Any personal leave (PLP) cash-out of more than 240 hours or any other leave cash-out (Floating Holidays) that is accrued and cashed out during the Average Final Compensation period, may be subject to excess compensation billing.

The current personal leave (PLP) provision has been part of prior Collective Bargaining Agreements since 1993. The severance provision has been in place since the 2014 Collective Bargaining Agreement.

The excess compensation amount the District has to pay for each retiree varies and depends on the retiree's salary, leave available at retirement, and leave accrual rate and age at retirement. There are 4 employees who are participants in PERS Plan 1 on the District's payroll at the beginning of November 2019 (of which, only one of these employees is currently a bargaining unit employee). If most of the employees who are covered by PERS Plan 1 retire in the next three years, the amount of excess compensation due to leave cash-out could exceed \$40,000.

**Please post this notice along with the Commission  
agenda.**

Motion was made by \_\_\_\_\_ and seconded by \_\_\_\_\_ naming the following slate of officers effective January 1, 2023 and shall remain in effect until the next election of officers:

President	Nelson Cox
Vice President	Tom Flint
Secretary	Terry Pyle
Commissioner	Larry Schaapman
Commissioner	Judy Wilson

Motion was made by \_\_\_\_\_ and seconded by \_\_\_\_\_ authorizing the General Manager/CEO, on behalf of Grant PUD, to execute Change Order No. 19 to Contract 230-08636 with IMCO General Construction, Inc., increasing the not-to-exceed contract amount by \$3,131,666.00 for a new contract total of \$60,981,690.20 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. 19.

**MEMORANDUM****December 1, 2022**

**TO:** Richard Wallen, General Manager/Chief Executive Officer

**VIA:** Jeff Grizzel, Chief Operations Officer  
 Ty Ehrman, P.E., Managing Director of Power Production <sup>DE</sup> TE  
 Dale Campbell, P.E., Senior Manager of Power Production Engineering <sup>DE</sup> DC  
 Zach Ruby, P.E., Chief Dam Safety Engineer <sup>DE</sup> ER  
 Rebecca Simpson, Civil and Dam Safety Engineering Manager <sup>DE</sup> KAS

**FROM:** Christopher Steinmetz, Dam Safety Engineer, District Representative <sup>DE</sup> CSS  
 Vanessa Seldal, PMP, Project Manager <sup>DE</sup> VS

**SUBJECT:** Contract 230-08636, Change Order No. 19

**Purpose:** Request Commission approval of Change Order No. 19 to Contract 230-08636, to increase the Contract Price due to revised plastic concrete mix design, installation of a river water supply system, and additional Dust Control efforts in the amount of \$3,131,666.00 to IMCO General Construction, Inc. (IMCO).

**Discussion:**

Contract 230-08636 was awarded to IMCO General Construction, Inc. (IMCO) on January 28, 2020. The Contract was executed to construct a replacement dam for the far right (West) embankment at Priest Rapids Dam that would withstand the anticipated ground motions resulting from the Maximum Credible Earthquake.

The plastic concrete mix design proportions provided in Technical Specification Section 03 00 00 2.03.C.2 were identified as preliminary concrete mix proportions. Plastic concrete is the material that the connecting embankment's secant pile wall will be constructed from. The mix design was not finalized prior to bidding the project in effort to keep a favorable schedule and not have FERC approval processes be held up awaiting testing results. Since the original bid, the engineer of record (Stantec) consulted with other dam owners who have recently utilized plastic concrete and reviewed additional up-to-date literature. These conversations and reviews indicated that the introduction of coarse aggregate yielded more favorable plastic behavior (strain at failure) and better test results in meeting target test parameters (primarily bleed). Therefore, concurrent with initial construction activities, additional trial batching took place with new mix proportions. In total, six mixes were tested in the plastic concrete testing program, and ultimately a mix that incorporated the locally available rounded coarse aggregate and additional bentonite was recommended given favorable test results. Inclusion of a coarse aggregate was not required by IMCO during the selection of their second batch plant which will be used for plastic concrete production. Therefore, with the introduction of the coarse aggregate, equipment modifications to the batch plant resulted in a larger cost increase due to the mix design revision than initially anticipated.

An RCC water supply well was drilled and developed under Contract 230-09184. This well was intended to provide the necessary water for RCC production given anticipated production rates.

During development and testing of the well, flowrates were approximately 88 GPM, however the well drawdown was significant. While this flowrate was adequate for Phase I RCC, production rates are higher for Phase II given the larger available area for placement and crews being more efficient with mixing, placing, and compacting the RCC. Additionally, plastic concrete for the secant pile wall is scheduled to occur concurrently with RCC starting in early 2023. Plastic concrete requires more water per cubic yard than the RCC and the well's flowrate noted above cannot adequately service both concrete operations concurrently. Based on the performance of the well and schedule impacts to the project it is mutually beneficial to modify the surface water intake to permit usage for concrete production. Test results indicated that the river water satisfies the requirements for ASTM C 1602. Trial batches using river water (as a constituent of the revised mix design) were compared with test results of trial batches using well water, and both batches satisfied compressive strength requirements specified in the Contract Technical Specifications.

There are contractual performance requirements for the Contractor to control fugitive dust generated onsite. These requirements pertain both to the air quality index that is read by onsite air quality monitors and visible dust generating opacity. To date, IMCO has maintained compliance with these requirements, although strong concerns from the Wanapum Interface Office and Wanapum Indian Village residents have been voiced during weekly solutions group meetings, semi-annual community meetings with the Wanapum Indian Village, and sporadically throughout the project duration on the amount of dust created by the construction project. The project is committed to not only maintaining the relationship with the Wanapum, but building upon that relationship. Therefore, the District has directed IMCO to employ additional dust control efforts via previous Change Orders. These efforts included application of lignin ground treatment on project roadway surfaces, off-hours dust control watering crews (both after hours and weekends), and installation of sprinkler systems at stockpile locations. Given the quantity and areal extent of ground disturbance, additional efforts are needed. The lignin proved to be an effective dust control measure, but its serviceable life is variable depending on weather conditions (i.e. rainfall) which will necessitate additional applications throughout the project duration. Off-hours dust control efforts provide an active dust management option in periods of high wind which will continue to be utilized. However, a more cost-effective approach is a passive solution. Options currently under consideration after execution of this Change Order include applying tackifier on excavated slopes, lignin on stockpiles and excavated slopes, and plastic coverings or tarp on stockpiles.

The primary access route for mobilization activities and larger construction traffic is the Martinez Road. Most of the roadway is a primitive one-way road accessed from Highway 24. However, the first 3 miles of the road (referred to as Midway Substation Road) is a paved section owned by the Department of Energy (DOE). As part of the agreement with the DOE allowing the use of the Midway Substation Road, the District is responsible for its maintenance, repair, and improvement. In discussing interim repair measures with IMCO, cold patching was determined to be the most cost-effective method for filling in the potholes with the largest impediment to the roadway serviceability. The budget included for these interim repairs will be adequate for two to three separate days of repairs. Note that final repairs will still be required on the Midway Substation Road following submission, review, and approval of a repair plan to the DOE.

**Justification:**

As stated in the discussion section above, the introduction of coarse aggregate was not considered by IMCO during their sizing and selection of the second batch plant planned to be used for plastic concrete production. The inclusion of a second aggregate changes the operation of the batch plant, which in-turn requires modifications to successfully batch and dispense the new mix. Additionally, the required placement method is via tremie pipe which relies on a mix that can be passed through a standard truck-mounted concrete pump. A reduction in the cement content coupled with the addition of a coarse aggregate may impact the ability to place the mix efficiently. Therefore, larger pumps are required and the placement rate is anticipated to be reduced when compared to the original mix.

Though the construction of the plastic concrete secant pile wall will come at additional cost due to equipment modifications and reduced construction efficiency, the project team believes that this mix will result in a more robust and reliable final product that will exhibit the appropriate response to a seismic event.

Concurrent placement of RCC and plastic concrete was not anticipated during original bid but incorporated into the schedule during the negotiation process of Change Order 11 in an effort to accelerate the schedule and reduce overall project costs. Concurrent placement poses an issue regarding the performance of the RCC water supply well. Transitioning to a river water supply system for plastic concrete production is a cost-effective means to mitigate this impact. We are permitted 361 acre-feet/year under the current surface water intake permit from the Department of Ecology which equates to approximately 322,330 gallons/day. This amount is more than adequate to service both dust control efforts and plastic concrete production. The testing of the river water shows that water quality is of no concern in producing the required plastic concrete with satisfactory water quality test results and equivalent compressive strength test results. Installation of a larger or additional well necessary to service both concrete operations was not considered given the permitting process and existing withdrawal rate limitations. Mobilization of additional water storage (baker tanks) to address the water demands was quickly dismissed given limited availability and cost implications.

Dust control is a priority topic with the Wanapum during solutions group meetings and community meetings. The level of watering and other dust control measures needed is variable and weather dependent. This funding allows the implementation of proven solutions such as lignin ground treatment along roadways, off-hours dust control crews, etc., but also leaves room to explore other options such as tackifier on the excavated slopes.

The Midway Substation Road must remain in working order. Cold patching is a method that can be quickly implemented to repair severe potholing along the paved portion of the road to both improve traffic safety and keep the road serviceable for project related traffic and other stakeholders. The cold patching is not intended to be the final repair method, but it does serve as an interim repair method until a full repair/replacement plan can be submitted, reviewed, approved, and implemented.

**Financial Considerations:**

Contract 230-08636 was awarded for \$33,382,742.00. To date, the District has paid approximately \$26.9MM for construction related activities. The Contract Price was increased under previously

awarded Change Orders that secured long lead time equipment, necessary aggregate, and resolution of delay impacts. The current contract price is \$57,850,024.20. Approval of this Change Order will result in a total revised Contract Price of \$60,981,690.20.

**Change Order History:** See attached table.

**Legal Review:** See attached email.

**Recommendation:** Commission approval of Change Order No. 19 to Contract 230-08636 for revised plastic concrete mix design, river water intake system, temporary Midway Substation Road repairs, and additional dust control efforts in the amount of \$3,131,666.00 to IMCO General Construction, Inc. (IMCO).

CHANGE ORDER  
NO. 19

Pursuant to Section GC-11, the following changes are hereby incorporated into this Contract:

A. Description of Change:

1. In accordance with District Instructions No. 137, dated June 23, 2022, Stantec Memorandum titled, "PRREIP Plastic Concrete Mix Design", dated February 3, 2022, Contractor proposal IMCO-GCPUD-SL056, dated March 16, 2022, and Contractor proposal IMCO-GCPUD-SL075, dated October 31, 2022, the Contractor shall provide all labor, materials, and equipment to batch and place the revised Plastic Concrete Mix Design.

This Change Order Item A.1 results in an increase to the Contract Price in the amount of \$2,055,888.00.

2. In accordance with Contractor proposal IMCO-GCPUD-SL076, dated October 31, 2022, the Contractor shall provide all labor, materials, and equipment to install a withdrawal pump and conveyance system for the purpose of supplying river water to the plastic concrete batch plant. Contractor explicitly excludes permitting and permit compliance impacts, should they arise, and has provided a price only for the work as directed by the District.

This Change Order Item A.2 results in an increase to the Contract Price in the amount of \$158,778.00.

3. In accordance with District Letter to Contractor titled, "Dust Control Impacts to PRREIP Contract 230-08636", dated September 28, 2022 and Contractor proposal IMCO-GCPUD-SL077, dated November 3, 2022, the Contractor shall provide all labor, materials, and equipment to for the following efforts:

- a. Shape the two main onsite stockpiles and cover with temporary construction plastic and sandbags, including final removal and disposal of the temporary material. Maintenance of the covering and temporary access to the stockpiles are excluded from this price. Contractor shall be paid at rates and lump sum prices specified in Contractor proposal IMCO-GCPUD-SL077, dated November 3, 2022. Budget to account for these efforts shall be added to the contingency allowance established in Change Order 13.

This Change Order Item A.3.a results in a not-to-exceed increase to the Contract Price in the amount of \$317,000.00.

- b. Level of effort required to manage plastic coverings and incorporate additional Dust Control measures and effort is variable currently and weather dependent. Therefore, these measures will be performed on an agreed lump sum and time and materials basis with a not-to-exceed total in accordance with Section GC-11. Contractor shall be paid at rates and lump sum prices specified in Contractor proposal IMCO-GCPUD-SL077, dated November 3, 2022. Budget to account for these efforts shall be added to the contingency allowance established in Change Order 13. Any value remaining from the contingency allowance at the completion of the project will not be paid to the Contractor but shall revert to the District, except for monies owed or claimed by Contractor for unresolved issues related to this Change Order Item A.3.b.



This Change Order Item A.3.b results in a not-to-exceed increase to the Contract Price in the amount of \$550,000.00.

- c. Perform temporary repairs of the DOE portion of the Martinez Road. The extent of the repairs are variable, therefore repairs shall be performed at a shift rate of \$9,820.00 per day and a delivery rate of \$251.00 per ton of cold patch asphalt. All patching shall be left in place at the conclusion of the Project.

This Change Order Item A.3.c results in a not-to-exceed increase to the Contract Price in the amount of \$50,000.00.

- B. Time of Completion: The completion date shall remain January 19, 2024.
- C. Contract Price Adjustment: As a result of this Change Order, the not to exceed Contract Price shall be increased by the sum of \$3,131,666.00 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, except as noted in IMCO-GCPUD-SL075 and IMCO-GCPUD-SL076. The new total revised maximum Contract Price is \$60,981,690.20, 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

IMCO General Construction, Inc.

By: \_\_\_\_\_

By: \_\_\_\_\_

Name: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_



Change Order Table

**Contract Title:** Priest Rapids Right Bank Improvement Project

Contract No.	230-08636	Award Date:	1/28/2020
Project Manager:	Vanessa Seldal	Original Contract Amount:	\$33,382,742.00
District Representative (If Different):	Chris Steinmetz	Original Contract completion:	1/19/2024
Contractor:	IMCO General Construction	Total CO Cost Change Amt	\$27,598,948.20

CO#	Change Description	Approved by	Executed Date	Revised Completion Date	Cost Change Amount	Revised Contract Amount	Authority Level Tracking
1	Revise GC-3 and SR-6 to allow procurement of specific long lead items (materials and equipment) in advance of the Limited NTP and NTP.	Senior/Plant Mgr	04/08/20	N/A	\$0.00	\$33,382,742.00	
2	Revise GC-3 to allow Contractor to continue to place orders and enter into subcontracts during suspended work periods with prior DR approval, compensate Contractor for Standby Time, replace section GC-12 to allow payment for DR approved materials and equipment stored off-site, revise section GC-18 to add insurance coverage under Builder's Risk policy for materials and equipment stored off-site.	Comm	06/12/20	N/A	\$661,685.40	\$34,044,427.40	\$661,685.40

3	Revise SR-6 to allow procurement of RCC Batch Plant in advance of the Limited NTP and compensate Contractor for mobilization of RCC Batch Plant from temporary on-site storage location to project site if required.	Senior/Plant Mgr	06/22/20	N/A	\$70,131.00	\$34,114,558.40	\$70,131.00
4	Compensate Contractor for Standby Time.	Managing Director	09/09/20	N/A	\$330,842.70	\$34,445,401.10	\$400,973.70
5	Compensate Contractor for the performance of a level loop survey to verify control monument elevations.	Dept Mgr	10/06/20	N/A	\$5,901.00	\$34,451,302.10	\$406,874.70
6	Compensate Contractor for Standby Time.	Comm	11/25/20	N/A	\$388,284.72	\$34,839,586.82	\$795,159.42
7	Compensate Contractor for relocation of RCC Batch Plant from temporary on-site storage location to temporary off-site storage location.	Senior/Plant Mgr	11/29/20	N/A	\$97,673.92	\$34,937,260.74	\$97,673.92
8	Compensate Contractor for Standby Time.	Managing Director	03/08/21	N/A	\$388,284.72	\$35,325,545.46	\$485,958.64
9	Revise Sections GC-3, GC-12, SR-2, SR-6, SR-20, SR-30, SR-34, Technical Specification Section 01 29 00, and delete Exhibit "S" to remove all references to the Limited Notice to Proceed from the Contract Documents.	Dept Mgr	05/05/21	N/A	\$0.00	\$35,325,545.46	\$485,958.64

10	Compensate Contractor for Standby Time, Remove Alternate Bid Item Nos. 1 and 2 from Contract Documents, and add rates to allow Contractor to supply commercial aggregate.	Comm	06/15/21	N/A	\$4,258,940.00	\$39,584,485.46	\$4,744,898.64
11	Compensate Contractor for cost impacts associated with suspension of work and Revise Section GC-15 to re-assign District Representative.	Comm	09/15/21	N/A	\$14,676,409.00	\$54,260,894.46	\$14,676,409.00
12	Compensate Contractor for providing two flaggers at downstream access route until final Traffic Control Plan is reviewed/approved and for development of Traffic Control Plan.	Senior/Plant Mgr	10/28/21	N/A	\$100,000.00	\$54,360,894.46	\$100,000.00
13	Reallocate unspent funds awarded in Change Order No. 10 for Standby Time to a new line item as a contingency allowance in the Schedule of Values, revise Section GC-15 to allow a broader description of cultural events, and replace Section SR-6 to revise pre-construction site survey requirements and payment terms for Mobilization.	Dept Mgr	11/22/21	N/A	\$0.00	\$54,360,894.46	\$100,000.00
14	Compensate Contractor for continuing to provide two traffic monitors at downstream access route.	Senior/Plant Mgr	01/03/22	N/A	\$100,000.00	\$54,460,894.46	\$200,000.00

15	Increase Unit Price of Bid Item No. 22, Increase Bid Item Price of Bid Item No. 53, and compensate Contractor for continuing to provide two traffic monitors at downstream access route.	Managing Director	03/28/22	N/A	\$270,460.00	\$54,731,354.46	\$470,460.00
16	Increase Contract Price (increase estimated quantities of Bid Item No.'s 17, 19 and 2022 Aggregate (as awarded in Change Order No. 10), revise Specification Section 03 37 23, Roller Compacted Concrete, and compensate Contractor for continuing to provide two traffic monitors at downstream access route.	Comm	05/31/22	N/A	\$2,627,209.08	\$57,358,563.54	\$3,097,669.08
17	Increase Contract Price for additional Vebe testing, reconciliation of aggregate quantities, installation of a temporary water conveyance and sprinkler system, and additional dust control services.	Managing Director	08/09/22	N/A	\$380,380.66	\$57,738,944.20	\$380,380.66
18	Increase Contract Price to compensate Contractor for additional dust control services.	Managing Director	10/20/22	N/A	\$111,080.00	\$57,850,024.20	\$491,460.66
19	Increased contract price to compensate contractor for batch and place revised Plastic Concrete Mix Design, install withdrawal pump and conveyance system, Shape and Cover Stockpiles, additional dust control services, and repairs to Martinez Road.	Comm		N/A	\$3,131,666.00	\$60,981,690.20	\$3,623,126.66
Total Change Order Cost Change Amount					27,598,948.20		