

**A G E N D A**  
**GRANT COUNTY PUBLIC UTILITY DISTRICT**  
**14353 Highway 243 South - Hydro Office Building**  
**Beverly, Washington**  
**COMMISSION MEETING**  
**Tuesday, March 28, 2023**

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

- 8:30 a.m.**      Executive Session
- 9:00 a.m.**      Commission Convenes  
Review and Sign Vouchers
- 9:30 a.m.**      Reports from staff
- 12:00 Noon**     Lunch
- 1:00 p.m.**      Safety Briefing  
Pledge of Allegiance  
Attendance  
Public requests to discuss agenda items/non-agenda items  
Correspondence  
Business Meeting

**1. Consent Agenda**

Approval of Vouchers

Meeting minutes of March 14, 2023

**2. Regular Agenda**

9011 – Resolution Approving Policy Statement ID-No-01 Settlement Agreement with the Yakama Nation.

9012 – Resolution Amending Resolution No. 8694, and Establishing the Time and Location of Regular Commission Meetings.

### **3. Review Items For Next Business Meeting**

Motion authorizing the General Manager/CEO to execute Change Order No. 36 to Contract 230-3737 with GE Steam Power, Inc., increasing the not-to-exceed contract amount by \$385,135.18 for a new contract total of \$104,597,068.04 subject to the Price Adjustment Provisions of Section SR-13 including changes incorporated by this Change Order, modifying completion dates of Section SR-2.A.2 to be replaced with revised Milestone dates in Item A.4, assessing any liquidated damages for SR-2.A.2 upon revised completion dates, 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. 36. (xxxx)

### **4. Calendar**

### **5. Reports from Staff (if applicable)**

### **Adjournment**

# **CONSENT AGENDA**

# Draft – Subject to Commission Review

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

March 14, 2023

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: Nelson Cox, President; Tom Flint, Vice-President; Terry Pyle, Secretary; Larry Schaapman, Commissioner and Judy Wilson, Commissioner.

An executive session was announced at 9:00 a.m. to last until 9:30 a.m. to review performance of a public employee pursuant to RCW 42.30.110(1)(g) and to discuss lease or purchase of real estate if disclosure would increase price pursuant to RCW 42.30.110(1)(b). The executive session concluded at 9:30 a.m. and the regular session resumed.

A round table discussion was held regarding the following topics: Simplot project completion; request regarding available capacity in Grant County; Commissioner Pyle noted an upcoming meeting with the Grant County Industrial Alliance; customer complaints regarding call-in wait times; and inquiry regarding invoice to Economic Development Council.

New employees Bobbee Poplawski, Accounting Assistant, and Breanna Lopez, Accounting Assistant, were introduced to the Commission.

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

Tom Dresser, Fish and Wildlife Manager, presented a Fish and Wildlife Report.

Brett Lenz, Cultural Resource Manager, and Alyssa Buck, Wanapum Interface Specialist, reviewed the Cultural Resources Program Report.

An executive session was announced at 12:05 p.m. to last until 12:55 p.m. to review performance of a public employee with legal counsel present pursuant to RCW 42.30.110(1)(g) and to discuss legal risks of current practice or proposed action with legal counsel present pursuant to RCW 42.30.110(1)(i). The executive session concluded at 12:55 p.m. and the regular session resumed.

John Eilers, Royal City, Washington, spoke in opposition to route 4B chosen for the Wanapum to Mountain View high voltage power line and requested alternate routes be considered.

Ray Wiseman, General Manager of Yakama Power, notified Grant PUD Commissioners that Yakama Nation had taken action and approved Policy Statement ID-No-01 Settlement Agreement.

Dwain Forester, Royal City, Washington, requested an opportunity to speak with engineering staff to better understand route chosen for the new high voltage power line.

Byron Bridges, Royal City, Washington, requested an alternate route be considered for the proposed high voltage line as to not impact homes or irrigation.

Commissioner Schaapman introduced for the record, additional signed petitions in opposition to the Wanapum to Mountain View 230kV transmission line project.

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

Payment Number	129628	through	129959	\$18,551,914.93
Payroll Direct Deposit	212966	through	213727	\$2,230,131.65

Payroll Tax and Garnishments	20230308A	through	20230308B	\$960,533.16
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Meeting minutes of February 28, 2023.

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

Resolution No. 9010 relative to establishing a new rate schedule was presented to the Commission. Motion was made by Mr. Flint and seconded by Mr. Pyle to approve Resolution No. 9010. After consideration, the motion passed by unanimous vote of the Commission.

RESOLUTION NO. 9010

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 May 1, 2023, Rate Schedule No. 19, Commercial Fast Charging Electric Vehicle Service, will establish rates to recover the costs of providing these services;
3. The General Manager 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 14<sup>th</sup> day of March, 2023.

Motion was made by Mr. Schaapman and seconded by Mr. Flint authorizing the General Manager/CEO to execute Change Order No. 1 to Contract 170-10711B with General Pacific, Inc., increasing the not-to exceed contract amount by \$2,998,606.00 for a new contract total of \$5,786,687.00 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. 1. After consideration, the motion passed by unanimous vote of the Commission.

The Commissioners reviewed future agenda items.

The Commission calendar was reviewed.

There being no further business to discuss, the Commission adjourned at 1:35 p.m. on March 14<sup>th</sup> and reconvened on Tuesday, March 21 at 8:30 a.m. at Grant PUD’s Main Headquarters Building, Conference Room E, 30 C Street SW, Ephrata, Washington for the purpose of holding a workshop and any other business that may come before the Commission with the following Commissioners present: Judy Wilson, Nelson Cox, Tom Flint, Terry Pyle and Larry Schaapman. A copy of the notice of adjournment was posted to the Grant PUD website.

An executive session was announced at 12:00 p.m. to last until 12:55 p.m. to review performance of a public employee pursuant to RCW 42.30.110(1)(g). The executive session concluded at 12:55 p.m. and the regular session resumed.

There being no further business to discuss, the March 14, 2023 meeting officially adjourned at 3:15 p.m. on March 21, 2023.

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Nelson Cox, President

ATTEST:

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Terry Pyle, Secretary

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Tom Flint, Vice President

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Larry Schaapman, Commissioner

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Judy Wilson, Commissioner

# **REGULAR AGENDA**

RESOLUTION NO. 9011

A RESOLUTION APPROVING POLICY STATEMENT ID-NO-01 TO THE JUNE 11, 2007  
SETTLEMENT AGREEMENT WITH THE YAKAMA NATION

Recitals

1. On June 11, 2007, the Yakama Nation and Grant PUD executed a Settlement Agreement to resolve concerns over relicensing of the Priest Rapids Project;
2. The Settlement Agreement requires Grant PUD to make Priest Rapids Project Power, or its financial equivalent, available to the Yakama Nation and Yakama Power throughout the term of the current FERC license;
3. The Settlement Agreement defines each party's respective rights and obligations associated with development of new generation resources and renewable generation projects;
4. The Settlement Agreement is further clarified by a Policy Statement jointly developed by Yakama Nation, acting through its Yakama Power public utility enterprise, and Grant PUD, which is presented as an Implementation Policy, stating and setting forth the parties' mutual understandings relative to entitlement to renewable energy credits and the tolling of when such entitlements commence; and
5. Grant PUD's General Manager and Chief Resource Officer recommend that Grant PUD's Board of Commissioners approve the attached Policy Statement, ID-No-01.

NOW, THEREFORE, BE IT RESOLVED by the Commission of Public Utility District No. 2 of Grant County, Washington, that the attached Policy Statement, ID-No-01, to the June 11, 2007 Settlement Agreement with the Yakama Nation is hereby approved and the General Manager is hereby authorized to execute the Policy Statement on behalf of Grant PUD.

PASSED AND APPROVED by the Commission of Public Utility District No. 2 of Grant County, Washington, this 28<sup>th</sup> day of March, 2023.

\_\_\_\_\_  
President

ATTEST:

\_\_\_\_\_  
Secretary

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

\_\_\_\_\_  
Commissioner

\_\_\_\_\_  
Commissioner



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## **Policy ID-No-01: Development of New Generation Resources REC Sharing Rights & Obligation Determination**

**Topic:** Definition of REC sharing tolling process associated with C.3(b).

**Relevant Agreement Sections:** Settlement Agreement Yakama Nation and Grant County PUD (executed 06/11/2007, amended 06/26-27/2007) – Sections B.3(a), B.3.(b), B.3(c), C.3.(a), C.3(b), and C.3(c)

**Background:** The Development of New Generation Resources sections of the Agreement provide the District with rights to RECs associated with the development of renewable resources by Yakama Power or the Yakama Nation. These provisions provide a corresponding obligation for the Yakama Nation. Specifically, the District is provided the right to 75.0% of all the RECs associated with the first 75.00 MWA of renewable energy developed by Yakama Power or the Yakama Nation, consistent with the details of Section C.3(b). The District's rights to the RECs drop to 50.0% of renewable energy developed by Yakama Power or the Yakama Nation, consistent with the details of Section C.3(b), for all energy after the 75.00<sup>th</sup> MWA is developed. This policy shall clarify and define how the determination of renewable energy levels are to be calculated and how the tolling of the rights / obligations is to be made. Given the desire of the Yakama Nation, via Yakama Power, to develop, construct, own, and operate the resources on its lands, an implementation issue has arisen. This desire of the Yakama Nation is well understood by the District – now, before, and at the time of Agreement execution. It is a shared value between the Parties. Both the Yakama Nation and the District seek to be “master’s of their own destiny” and “to do for oneself”. The Nation’s desires create a situation with impacts both Parties. Absent demonstrable development and construction experience, the Yakama Nation is impeded from obtaining financing to support development activities. This creates a spillover impact to the District because it strands potential benefits to which it is entitled. There is no requirement for the Yakama Nation to employ third party developers to develop resources. Such a requirement would not be in keeping with the spirit of the Agreement. Thus, a mutually agreed upon solution, providing a “grace period”, has been made. This will deliver a win-win outcome for all involved. The solution allows the measurement of cumulative renewable energy, i.e. the tolling, to begin after the “grace period” which enables the Yakama Nation to gain the knowledge and experience needed to be a “bankable” project developer.

**Rights & Obligations Determination:** The basis for calculating the renewable energy output necessary to implement Agreement Section C.3(b) shall be as follows: for any renewable project developed, per Agreement conditions, the renewable energy credited shall be the pro forma expected energy (mathematical expectation) produced by said project. For each project, N, to be developed, Yakama Power or the Yakama Nation shall prepare a Final Project Pro Forma for the District’s review. The District shall review and comment on said pro forma. Upon mutual acceptance of the final pro forma, each Party shall approve the Final Project Pro Forma (and associated expected energy output) and document this with a jointly executed Project N Memorandum of Understanding. This project memorandum shall then constitute the official record for the purposes of determining the rights / obligations of the Agreement. The Project Pro Forma process shall begin with the first project developed by the Yakama Nation or Yakama Power. It shall continue forward uninterrupted to include each and every project in the “grace period” and all subsequent projects. The running total of all project expected renewable energy output, E-Total, shall be calculated as the arithmetic sum of the expected energy amounts from all projects K, where  $K = 1$  to N. The Grace-Period shall be set as 2.50 MWA. Correspondingly, the District’s entitlement to 75.0% of RECs shall begin when E-Total is greater than 2.50 MWA ( $E\text{-Total} > 2.50 \text{ MWA}$ ) and it shall end when E-Total exceeds 77.50 MWA ( $E\text{-Total} > 77.50 \text{ MWA}$ ). For any and all renewable energy projects

**Policy ID-No-01: Development of New Generation Resources REC Sharing Rights & Obligation Determination**  
**Page 2**

developed where E-Total is greater than 77.50 MWa, the District shall be entitled to 50.0% of the project's RECs.

**Disputes and Disagreements:** In the event of any disputes or disagreements associated with the implementation of this policy arise, they shall be immediately raised to the General Manager of Yakama Power and Grant PUD's Senior Manager, Wholesale Power Trading and Marketing for resolution (First Level Escalation). If First Level Escalation does not adequately resolve the dispute, the matter shall be escalated to the Yakama Nation's Chief Executive and Grant's General Manager-CEO (Second Level Escalation). If further escalation is required, the governing bodies of the Parties shall resolve the matter(s). Ultimately, the language of the Agreement shall prevail.

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

\_\_\_\_\_  
President, Grant County PUD Commission

\_\_\_\_\_  
Chairman, Yakama Tribal Council

RESOLUTION NO. 9012

A RESOLUTION AMENDING RESOLUTION NO. 8694, AND ESTABLISHING THE TIME AND LOCATION OF REGULAR COMMISSION MEETINGS

Recitals

1. RCW 42.30.070 requires public agencies, including Public Utility District No. 2 of Grant County (Grant PUD) to provide the location and time for holding regular meetings by resolution;
2. Grant PUD, pursuant to Resolution No. 8694 has previously established the location and time for holding regular meetings;
3. Grant PUD's Board of Commissioners (Commission) believe that it would be in Grant PUD's best interest to commence meetings of the Commission on the second and fourth Tuesday of each month at 8:30 a.m. at Grant PUD's Ephrata Headquarters Building, 30 C Street SW, Ephrata, Washington; and
4. The Commission may schedule additional dates and times for workshops as needed.

NOW, THEREFORE, BE IT RESOLVED THAT:

Section 1. Effective April 2023, Grant PUD's Commissioners shall meet at 8:30 a.m. on the second and fourth Tuesday of each month at the Ephrata Headquarters Building, 30 C Street S.W., Ephrata, Washington, until further notice (the business portion of the meeting, during which time motions and resolutions will be presented for action, will generally begin at 1:00 p.m., but may start earlier).

Section 2. If any regular Commission meeting falls on a holiday, such regular meeting shall be held on the next business day.

Section 3. This resolution amends Grant PUD Resolution No. 8694.

PASSED AND APPROVED by the Commission of Public Utility District No. 2 of Grant PUD County, Washington, this 28<sup>th</sup> day of March, 2023.

\_\_\_\_\_  
President

ATTEST:

\_\_\_\_\_  
Secretary

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

\_\_\_\_\_  
Commissioner




\_\_\_\_\_  
Commissioner


# For Commission Review – 3/28/2023

Motion was made by \_\_\_\_\_ and seconded by \_\_\_\_\_ authorizing the General Manager/CEO to execute Change Order No. 36 to Contract 230-3737 with GE Steam Power, Inc., increasing the not-to-exceed contract amount by \$385,135.18 for a new contract total of \$104,597,068.04 subject to the Price Adjustment Provisions of Section SR-13 including changes incorporated by this Change Order, modifying completion dates of Section SR-2.A.2 to be replaced with revised Milestone dates in Item A.4, assessing any liquidated damages for SR-2.A.2 upon revised completion dates, 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. 36.

**MEMORANDUM****March 7<sup>th</sup>, 2023**

**TO:** Richard Wallen, General Manager

**VIA:** Jeff Grizzel, Chief Operating Officer  
Ty Ehrman, Managing Director of Power Production   
Dale Campbell, Senior Manager of Power Production   
Stuart Hammond, Manager Engineering  
Vince Von Paul, EPMO Manager 

**FROM:** Jeff Niehenke, Electrical Engineer 

**SUBJECT:** Contract 230-3737, Change Order No. 36

**Purpose:** To request Commission approval of Change Order No. 36 to Contract 230-3737 for schedule delays due to wicket gate troubleshooting and repairs, in the amount of \$385,135.18 to GE Steam Inc.

**Discussion:** Contract No. 230-3737 was awarded to Alstom Power, Inc. on June 9, 2015. Alstom subsequently sold this business to GE Steam Power, Inc (GE). This Contract includes a new or refurbished stator winding, rotor pole refurbishment, generator shaft refurbishment, new excitation and monitoring systems, new thrust bearing, and thorough engineering analysis for all remaining generator components for a 50-year life extension.

The Unit 4 return to service date was delayed during commissioning due to vibration of the wicket gates when the unit was shut down. The commissioning of the generator was prioritized once an initial investigation was performed which resulted in additional costs for generator commissioning. Change Order 35 addressed these commissioning costs in the amount of \$45,506.38.

The corrective actions to resolve the wicket gate vibration was to refile the sealing edges of the gates which is a very time-consuming process that is also hard to predict. This corrective work along with subsequent turbine commissioning resulted in a total delay of 85 days or 12 weeks. As a result, the Unit 5 outage start date was moved from June 27<sup>th</sup>, 2022 to Sept 19<sup>th</sup>, 2022. The Contract extension cost for this delay is \$385,135.18

The Contract extension costs of the Contractor include the following:

- Fixed site costs such as forklift rental, tooling calibration/service, vehicles, and break trailer.
- Insurance and bonding
- Site management including Site Manager, Technical Representative, and Foreman
- Site craft workers, typically 6, 1.5 weeks only
- Project management costs including project director, contract officer, scheduler, quality controller, cost controller etc.

Historically these extension costs have been negotiated at a monthly rate of \$193K to \$211K on change orders 22, 25, and 27. These extension costs total \$193k/month on this Change Order despite wage increases.

In addition to the delay costs, there was a significant cost reduction of \$185K negotiated in exchange for extending material delivery for miscellaneous electrical installation materials. Extending the material delivery of these items will not impact the completion milestones.

**Justification:**

The Contract Milestone Schedule as originally awarded was a 12-month outage duration. This was extended to 14 months for Unit 3 with Change Order 22. The total delay from wicket gates repairs is an additional 12 weeks to the start of Unit 5.

Following the discovery of the wicket gate vibration, other options were considered including repairs prior to finishing generator commissioning. Extra provisions with use of the emergency wheel gates were utilized to minimize impacts to the generator commissioning. In addition, extended repair schedules were utilized in the repair of the wicket gates to reduce impacts.

**Financial Considerations:**

The delays caused by the wicket gate vibration and repairs were not budgeted for in the project. However, for 2023, the delay costs have effectively replaced the unit 5 expected costs resulting in minimal impact to 2023 budget. The unit 5 costs and all subsequent units have now been delayed 2+ months so the overall project cashflow has been extended. This extension will be effectively added to the last year cost of the project. The Budget Contract Number is B100020A, the Project ID for Unit 5 is 101762 and the cost center is EB5600. The Project Initiative number is IN213. The Project Manager for the Priest Rapids Generator Rehabilitation is Eric Hull, and the District Representative is Jeff Niehenke.

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

**Legal Review:** See attached email.

**Recommendation:** Commission approval of Change Order No. 36 to Contract 230-3737 for schedule delays due to wicket gate troubleshooting and repairs, in the amount of \$385,135.18 to GE Steam Inc.

CHANGE ORDER  
NO. 36

Pursuant to Section GC-12, the following changes are hereby incorporated into this Contract:

A. Description of Change:

1. Unit 5 Delays for Turbine Wicket Gate Delays

As a result of wicket gate vibration discovered during Unit 4 commissioning and subsequent repairs performed by the District, there was a delay from June 27, 2022 until September 19, 2022 for the scheduled out of service date of Unit 5 (P07). The Milestone Schedule has been revised as shown in Item A.4 below accordingly. By executing this Change Order No. 37, Contractor agrees that all outstanding claims for delays through September 19, 2022 have been satisfied.

This Change Order Item A.1 results in an increase to the Contract Price in the amount of \$385,135.18. Contractor may submit an invoice for this Item A.1 upon execution of the Change Order.

2. Pursuant to Section SR-14, Outsourcing and Subcontracting, Wesco is no longer an approved Subcontractor for the supply of materials or services for this Contract.
3. Contractor shall provide a detailed procurement plan for remaining Units. Plan shall be provided to the District Representative one month after each respective Unit Notice to Proceed is issued by the District and shall be updated monthly to ensure all items, including hardware, are delivered by the material delivery date.

4. Replace Section SR-2.A.2, Milestone & Outage Coordination Schedule with the following:

TABLE SR-2.A.2 MILESTONE & OUTAGE COORDINATION SCHEDULE														Change Order 36 changes shown in grey cells	
Milestone*	TASK	Days after OOS date	TASK DURATION	U4 duration	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7	Unit 8	Unit 9	Unit 10	
NTP-Unit	Notice to Proceed (NTP)				See ITB-12.A	11/1/2015	3/1/2019	5/20/2020	6/7/2022	11/1/2019	11/1/2020	11/1/2021	11/1/2022	11/1/2023	
MS-X01	Material Delivery	90			N/A	11/1/2017	N/A	2/14/2021	4/15/2023	12/1/2021	12/1/2022	12/1/2023	12/1/2024	12/1/2025	
N/A	Out of Service Date (OOS) of Unit				8/1/2016	1/29/2018	4/1/2019	11/16/2020	9/19/2022	8/1/2021	8/1/2022	8/1/2023	8/1/2024	8/1/2025	
MS-X02	Removal of ventilation system during disassembly. Estimated start 5 days after OOS date		5		5 days	5 days	5 days		5 days	5 days	5 days	5 days	5 days	5 days	
MS-X03	Access provided by District to rotor in erection bay	40			9/10/2016	2/19/2018	5/11/2019	2/16/2021	10/29/2022	9/10/2021	9/10/2022	9/10/2023	9/10/2024	9/10/2025	
N/A	Rehab of rotor in erection bay and rehab of poles**		307												
MS-X04	<b>Refurbished Rotor or (New Spare Rotor) Complete in Erection Bay</b>		307		7/14/2017	11/30/2018	1/10/2020	1/15/2022	7/23/2023	4/22/2022	4/22/2023	4/21/2024	4/22/2025	4/22/2026	
MS-X05	Generator shaft assembly removed by District from Unit	50			9/11/2016	3/20/2018	5/12/2019	12/28/2020	11/8/2022	9/11/2021	9/11/2022	9/11/2023	9/11/2024	9/11/2025	
N/A	Crating/un-crating, transporting & machining of generator shaft assembly		216												
MS-X06	Generator shaft and coupling hardware delivered to site and ready to install	257			6/15/2017	NA	NA	NA	NA	4/15/2022	4/15/2023	4/14/2024	4/15/2025	4/15/2026	
MS-X06A	Generator shaft and thrust bearing assembly installed into lower bracket and ready to be installed into Unit.		246			12/11/2018	1/24/2020	12/8/2021	7/19/2023						
MS-X07	Access provided by District to stator in Unit	51			9/12/2016	2/26/2018	5/13/2019	2/18/2021	11/9/2022	9/21/2021	8/1/2022	8/1/2023	4/15/2141	9/29/2143	
N/A	Work platform hole must stay open to corbel diameter for pass through of turbine parts during disassembly	42-80													
N/A	Work platform hole may be closed for short durations with coordination through District of turbine rehab work	81-257													
N/A	Remove winding, rehab core/frame/soleplates, and install new winding, install & remove work platform. <b>Unit 4: rehabilitate ABB winding including inspecting, testing, cleaning and repair</b>		259												
MS-X08	Stator Complete ***	301			7/24/2017	11/26/2018	1/27/2020	12/23/2021	7/17/2023	4/29/2022	4/29/2023	4/28/2024	4/29/2025	4/29/2026	
MS-X09	Monitoring Systems Complete	301			7/24/2017	11/26/2018	1/27/2020	12/23/2021	7/17/2023	4/15/2022	4/15/2023	4/14/2024	4/15/2025	4/15/2026	
MS-X10	Lower ventilation system final install during assembly		4		4 days	4 days	4 days	4 days	4 days	4 days	4 days	4 days	4 days	4 days	
MS-X11	Upper ventilation system final install during assembly		4		4 days	4 days	4 days	4 days	4 days	4 days	4 days	4 days	4 days	4 days	
MS-X12	Commissioning of exciter, monitoring systems, and generator, and acceptance testing (not including loss testing of TS2-12.15.1) <b>See CO22 for reduced acceptance testing</b>	~304	37		37 days	37 days	25 days	37 days	37 days	37 days	37 days	37 days	37 days	37 days	
N/A	Target return to service date	14 Month				2/28/2019	5/30/2020	5/2/2022	11/18/2023						
MS-X13	Installation, O&M manuals, shop test reports, field test reports, and quality records for Unit	425			2/28/2018	4/29/2019	7/29/2020	7/1/2022	11/18/2023	9/30/2022	9/30/2023	9/29/2024	9/30/2025	9/30/2026	

\* X in Milestone number represents the Unit number, i.e. MS-902 is Unit 9 Milestone 2

\*\* Eight weeks (56 days) of duration is reserved for District to perform asbestos abatement of windings per TS2-15.2



- B. Time of Completion: The completion dates of Section SR-2.A.2 shall be replaced with the revised Milestone dates in Item A.4 above. Liquidated damages, if any, for SR-2.A.2 shall be assessed on the revised completion dates.
  
- C. Contract Price Adjustment: As a result of this Change Order, the not to exceed Contract Price shall be increased by the sum of \$385,135.18 plus applicable sales tax. This Change Order shall not provide any basis for any other payments to or claims by the Contractor as a result of or arising out of the performance of the work described herein. The new total revised maximum Contract Price is \$104,597,068.04, subject to the Price Adjustment provisions of Section SR-13, 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

GE Steam Power, Inc.

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Date: \_\_\_\_\_

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Date: \_\_\_\_\_



Change Order Table

**Contract Title:** Priest Rapids Dam Generator Rehabilitation

Contract No.	230-3737	Award Date:	6/9/2015
Project Manager:	Jeff Niehenke	Original Contract Amount:	\$87,903,514.00
District Representative (If Different):		Original Contract completion:	Based on NTP
Contractor:	GE Steam Power, Inc.	Total CO Cost Change Amt	\$16,693,554.04

CO#	Change Description	Approved by	Approval Date	Revised Completion Date	Cost Change Amount	Revised Contract Amount	Authority Level Tracking
1	Increase the Contract Price for the supply of a complete load system prior to the outage.	Dept Mgr	09/17/15	N/A	\$93,691.19	\$87,997,205.19	\$93,691.19
2	Replace Sections TS2-8.4, TS2-10.3 and SR-2.A.1 Milestone Schedule. Increase the Contract Price for Contractor to provide engineering analysis and design for new thrust bearing assembly.	Director	04/26/16	N/A	\$345,446.00	\$88,342,651.19	\$439,137.19
3	Increase the Contract Price for the addition of a RPM meter.	Dept Mgr	04/27/16	N/A	\$40,257.00	\$88,382,908.19	\$479,394.19
4	Replace Section GC-30, Bond in Lieu of Retainage and Exhibit "I" Bond in Lieu of Retainage.	Hydro Eng Supvr	05/05/16	N/A	\$0.00	\$88,382,908.19	\$479,394.19

5	Increase the Contract Price for the supply of thrust bearing for up to 10 units and replace SR-S.A.1 Milestone Schedule. Replace Section TS1-9.4 paragraph 5 and TS1-9.4.D.	Comm	05/24/16	N/A	\$6,924,838.00	\$95,307,746.19	\$7,404,232.19
6	Increase the Contract Price for ten (10) additional items, replace Section SR-2.A.1 and replace Section Nos. TS2-16.2, TS2-16.2.1, TS2-16.3 and TS2-15.9.	Director	07/14/16	N/A	\$399,128.00	\$95,706,874.19	\$399,128.00
7	Contractor to supply and install a shaft grounding system on 10 Units. Extend the Milestone schedule in Section SR-2.A.2.	Hydro Eng Supvr	07/27/16	N/A	\$0.00	\$95,706,874.19	\$399,128.00
8	Contractor to supply and install lower stator frame sole plates, supply of generator shaft to turbine shaft coupling hardware, replace Section TS2-8.2.3, delete Section TS2-8.2.4. reinforcement of stator frame coupling flange, upper bracket engineering analysis, payment schedule for CO 8 and replace the table in Section SR-2.A.2.	Comm	09/27/16	N/A	\$4,629,926.94	\$100,336,801.13	\$5,029,054.94

9	Raise and lower rotor rim, inspect and machine rotor spider support ledge, supply and install replacement rotor baffle plates, center the rotor rim to the spider, for the refurbishment of Unit 1 rotor.	Comm	11/08/16	N/A	\$702,620.00	\$101,039,421.13	\$702,620.00
10	Replace Sections TS1-14.2.T and TS2-15.16.2. Increase the Contract Price for new brass dampener collar on 89 poles, on-site repair to the stator frame and rotor spider, and repairs to the rotor poles. Replace the Section SR-2.A.1 Milestone Schedule.	Director	11/22/16	N/A	\$200,665.35	\$101,240,086.48	\$200,665.35
11	Replace Section TS2-17.2.1 and SR-2.A.2. Bid Item No. 9 to be modified into 4 payments. Contractor to provide on-site labor to uncrate excitation equipment and move equipment into powerhouse storage.	Hydro Eng Supvr	01/12/17	N/A	\$0.00	\$101,240,086.48	\$200,665.35
12	Increase the Contract Price for design of new rotor spider and rotor rim, lead abatement on stator frame, design of rotor baffle plates, machining to rotor brake track segments, installation of radial dowel in upper bracket supports and reduction to scope in CO9 of refurbishment of rotor. Replace SR-2.A.1 and SR-2.A.2	Sr Mgr	05/18/17	N/A	\$293,325.00	\$101,533,411.48	\$493,990.35

13	Add two work stipulations for working on the Unit 1 stator and replace Section SR-2.A.2.	Dept Mgr	06/08/17	N/A	\$0.00	\$101,533,411.48	\$493,990.35
14	Increase the Contract Price for spare rotor spider, replace Sections TS2-13.3 and TS2-14.3 and replace Section SR-2.A.1	Comm	06/28/17	N/A	\$2,863,275.09	\$104,396,686.57	\$3,357,265.44
15	Increase the Contract Price for supply of one spare thrust bearing, refurbish work to slip rings, additional field work, design improvements to airhousing baffles, additional stator core and winding RTDs, and thrust bearing pressure transmitters. Revise Sections SR-13.A, B, D and E. Replace Sections SR-2.A.1 and SR-2.A.2.	Managing Director	12/14/17	N/A	\$492,180.42	\$104,888,866.99	\$492,180.42
16	Increase the Contract Price for additional rotor and stator work and rotor pole dampener collars for Units 3-10.	Comm	03/15/18	N/A	\$1,439,710.57	\$106,328,577.56	\$1,931,890.99
17	Increase the Contract Price for reinforcement of stator frame coupling flanges on Unit 2, revise payment of CO16-1 and CO11-5, and replace SR-2.A.1 and SR-2.A.2.	Managing Director	05/22/18	N/A	\$179,979.00	\$106,508,556.56	\$179,979.00

18	Replace Sections SR-2.A.1 and SR-2.A.2. Revise CO15 pressure test dates.	Dept Mgr	06/21/18	N/A	\$0.00	\$106,508,556.56	\$179,979.00
19	Increase the Contract Price for Unit 2 thrust bearing assembly and installation, supply and installation of RTDs on Unit 2 and supply and install of new coupling guard on Unit 2.	Managing Director	09/19/18	N/A	\$155,913.00	\$106,664,469.56	\$335,892.00
20	Replace the Milestone schedule in Section SR-2.A.2.	Dept Mgr	11/26/18	N/A	\$0.00	\$106,664,469.56	\$335,892.00
21	Extend the warranty of the thrust bearing assembly for Unit 2 by 12 months, package bus ducts for Units 3, 5, 7, and 9 to allow for stacking of crates two high, replace the table in CO 16, Item A.4, repair damage to stator winding, install lower stator baffles of Unit 2, and perform additional work to coupons cutting on the rotor spider of Unit 2.	Dept Mgr	03/07/19	N/A	\$62,382.58	\$106,726,852.14	\$398,274.58
22	Unit 3 additional rotor and stator refurbishment work, winding rehabilitation in lieu of replacement, and replace the Milestone schedule in Section SR-2.A.2 (reference 31 Items listed in the Table of Contents)	Managing Director	04/04/19	N/A	-\$1,310,120.48	\$105,416,731.66	\$398,274.58

23	Supply new thrust runners and associated Bonds for Units 4 and 5 ahead of Unit NTPs, replace Section SR-13.A - Off-site (Factory) Labor Adjustment, and replace Section SR-13.I - Examples of Bid Item Price Adjustments.	Managing Director	08/15/19	N/A	\$0.00	\$105,416,731.66	\$398,274.58
24	Refurbish 83 rotor poles for Unit 3 only, compensate the Contractor for delays to the stator lifting, Contractor supplied stator lifting system with string pot displacement sensors at a reduced cost, and replace the Milestone schedule in Section SR-2.A.2	Sr Mgr	01/16/20	N/A	-\$31,152.86	\$105,385,578.80	\$398,274.58
25	Unit 4 additional rotor and stator refurbishment work, winding rehabilitation in lieu of replacement, new work, and replace the Milestone schedule in Section SR-2.A.2 (reference items listed in Table of Contents)	Dept Mgr	05/14/20	N/A	-\$1,821,726.47	\$103,563,852.33	\$398,274.58
26	Compensate the Contractor to inspect and repackage the spare rotor supplied under Change Order No. 14	Sr Mgr	08/13/20	N/A	\$95,544.65	\$103,659,396.98	\$493,819.23

27	Compensate the Contractor for repairing damaged field leads, COVID-19 associated delays, schedule extensions, main bus support reconfiguration, upper bracket work platform improvements, provide delivery clarifications on CO 5 items, and replace the Milestone Schedule in Section SR-2.A.2.	Comm	12/09/20	N/A	\$1,246,414.40	\$104,905,811.38	\$1,740,233.63
28	Increase the Contract Price to reimburse the Contractor for costs incurred as part of the required recurrent antigen testing related to COVID-19.	Sr Mgr	02/08/21	N/A	\$69,765.00	\$104,975,576.38	\$69,765.00
29	Contractor shall provide letter stating the NEMA temperature classification of the new windings installed in P09 and P02 as well as the thermoset or thermoplastic properties of all materials used in the rehabilitation of all generators, implement a design improvement recently identified to the replacement rotor pole damper collars, implement design improvements to the upper stator baffle sealing ring, and increase the not to exceed amount for recurrent antigen testing.	Sr Mgr/Plant Mgr	04/26/21	N/A	\$79,149.84	\$105,054,726.22	\$148,914.84
30	Compensate Contractor for a more extensive reinforcement solution to the stator frame coupling flange for Unit 4.	Managing Director	06/08/21	N/A	\$181,872.49	\$105,236,598.71	\$330,787.33



31	Compensate Contractor for Unit 4 COVID delays and replace the Milestone Schedule in Section SR-2.A.2.	Comm	09/29/21	N/A	\$403,069.00	\$105,639,667.71	\$733,856.33
32	Compensate Contractor for supplying Unit 4 silicon bronze baffle hardware, supplying spare rotor bus connection bars, supplying set of guide bearing adjustment screws, furnish CO2 ice blasting equipment, and replace the Milestone Schedule in Section SR-2.A.2.	Dept Mgr	10/19/21	N/A	\$36,108.34	\$105,675,776.05	\$36,108.34
33	Increase the not to exceed amount for recurrent antigen testing.	Dept Mgr	01/27/22	N/A	\$36,000.00	\$105,711,776.05	\$72,108.34
34	Unit 5 additional rotor and stator refurbishment work, winding rehabilitation in lieu of replacement, new work, Unit 4 outage extension, site personnel credit, and replace the Milestone schedule in Section SR-2.A.2 (reference items listed in Table of Contents).	Dept Mgr	06/07/22	N/A	-\$1,602,847.13	\$104,108,928.92	\$72,108.34

35	Compensate Contractor for Foreign Material Exclusion Policy additional monitor for Unit 4 assembly, CO2 fire suppression system additional testing for Unit 4, Unit 4 excitation system extra commissioning time for wicket gate troubleshooting, Unit 4 technicians extra commissioning time for wicket gate troubleshooting, and tooling storage container removal and tooling relocation.	Managing Director	10/18/22	N/A	\$103,003.94	\$104,211,932.86	\$175,112.28
36	Compensate Contractor for Unit 5 delays for turbine wicket gate delays, remove Wesco as an approved Subcontractor, Contractor to provide detailed procurement plan for remaining Units, and replace the Milestone schedule in Section SR-2.A.2	Comm		N/A	\$385,135.18	\$104,597,068.04	\$560,247.46
Total Change Order Cost Change Amount					16,693,554.04		