

**FYI Items**

February 3, 2020

Mr. Chet Perry / Mr. Jim Schroeder  
PacifiCorp

Mr. Bruce True  
Portland General Electric

Mr. Jay Hiner / Jonathan Hart  
Eugene Water & Electric

Mr. Paul Downey / Mr. Keith Hormann  
City of Forest Grove

Mr. Rahul Venkatesh  
Puget Sound Energy, Inc.

Mr. Matt Boast  
Kittitas County PUD

Mr. Rick Applegate  
Tacoma Power

Ms. Jaime Phillips  
McMinnville Water & Light

Ms. Robin Cross  
City of Seattle, City Light Dept.

Mr. Mike Watkins  
City of Milton-Freewater

Mr. Steve Lentini  
Avista Corp.

Mr. Bob Essex  
Cowlitz PUD

Subject: Priest Rapids Project Highlights for December

**UNIT STATUS:** Unit availability for the projects is as follows:

**Wanapum Generator Operations/Turbine Restoration:**

W-1, 2, 3, 5, 6, 7, 8, 9, 10: Operational.

W-4 was removed from service July 15, 2019 for generator/governor replacement and turbine overhaul. W-4 is scheduled to return to service June 12, 2020.

W-1 was removed from service September 9, 2019 for overhaul. W-1 was returned to service December 19, 2019.

**Priest Rapids Generator Operations/Turbine Restoration:**

P-1, 2, 3, 4, 5, 6, 7, 9, 10: Operational.

P-8 was removed from service April 1, 2019 due to turbine/generator rehabilitation and governor replacement. P-8 is scheduled to return to service June 26, 2020.

P-1 was forced out October 3, 2019 due to a fire in the exciter cabinet. The overhaul started October 21, 2019. P-1 was returned to service December 23, 2019.

Priest Rapids Project Highlights  
February 3, 2020

**GENERATION STATUS REPORTS:** December Generation Reports are attached for your information and use.

**ELECTRIC SERVICE INTERRUPTION REPORTS:** December Electric Service Interruption Reports are attached for your information and use.

The regular monthly meeting of the Grant County P.U.D. Power Purchasers' Advisory Committee will be held on Wednesday, March 18<sup>th</sup> at 10:00 a.m. at the District's Ephrata Headquarters Building in Conference Room "E".

The District representative is Phillip Law. Phillip's telephone number is: 509-754-5090.

Sincerely,



Dale Campbell, P.E.  
Senior Manager of Power Production Engineering

DC:cec

Attachments

C:	HED Main Files 1.1.1.2	Kevin Marshall
	Tom Flint	Rich Wallen
	Dale Walker	Dale Campbell
	Larry Schaapman	Mark Beattie
	Judy Wilson	Ty Ehrman
	Nelson Cox	Phillip Law
	Chief Operator/Wanapum	Bonnie Overfield
	Chief Operator/Priest Rapids	Craig Marian

# Wanapum

## Public Utility District of Grant County, Ephrata, Washington MONTHLY REPORT OF POWER OPERATIONS

**December 2019**

Installed Capacity (A)	1,111,800	kW	Hours Plant Operated:	744
Gross Generation (B)	388,938,200	kWH	Plant Use	689,400
Max. Hourly Generation (C)	842,700	kWH	Net Generation	388,248,800
Time of Max. Hourly Gen.	12/30/2019 1700		Water for Generation (D)	5,724,370
Plant Factor	47.02%		Water Bypassed (E)	59,710
Utilization Factor	75.80%		Water for Fish (F)	57,270
Water Factor:	98.00%		Average Hydraulic Head:	77.2
				Feet

### UNIT SERVICE RECORD

Unit No	Monthly Gen. (mWH)	Hrs. Operation	Hrs Down For Maint.	Availability Factor (G)	Nature of Maintenance
W-1	17,450	246.63	445.55	0.40	30,000 Hour Overhaul
W-2	54,856	732.75	0.00	1.00	
W-3	47,954	644.52	0.00	1.00	
W-4	0	0.00	744.00	0.00	Generator, Governor, and Exciter Replacement
W-5	29,336	374.47	0.00	1.00	
W-6	53,872	729.53	2.73	1.00	Troubleshooting W-6 Excitation
W-7	40,990	544.07	0.00	1.00	
W-8	50,077	675.60	0.00	1.00	
W-9	44,036	583.00	0.00	1.00	
W-10	50,367	669.60	0.00	1.00	

(G) Availability Factor =  $\frac{\text{Hours in Month} - \text{Hours Down for Maint.}}{\text{Hours in Month}}$

Plant Factor =  $\frac{(B) * 100}{(A) * \text{Hours in Month}}$

Utilization Factor =  $\frac{(C)}{(A)} * 100$

Water Factor =  $\frac{(D)}{(D) + (E) + (F)} * 100$

# Plant Service Interruptions

Plant: WANAPUM

December, 2019

Date	Time	Duration		Unit	Circuit Breaker Tripped	Relays Operated		Remarks
		Month	Total			Type	Cause	
12/01/2019	0000	445:33	2432:33	W-1	W-132	MAN	11	30,000 Hour Overhaul
12/01/2019	0000	744:00	4075:00	W-4	W-432	MAN	11	Generator, Governor, and Exciter Replacement
12/12/2019	0702	2:44	2:44	W-6	W-632	MAN	11	Troubleshooting W-6 Excitation

Relay Types: MAN - Manual OC - Overcurrent DIFF - Differential FREQ - Frequency GRD - Ground V - Voltage THER - Thermal TRIP - 86E Trip OTH - Other

Causes: 1 Lightning 2 All other weather 3 Trees, etc. into line 4 Malicious damage 5 Line down 6 Defective equipment 7 Inadequate system 8 Trouble on another system 9 Operation error 10 Relay error 12 Cause unknown 11 Prearranged outage 13 Computer control 14 Other

**WANAPUM POWERPLANT GENERATION SUMMARY  
DECEMBER 2019**

UNIT	100% RATED INSTALLED CAPACITY	GENERATION (MWH)		MAINTENANCE HOURS	
		CURRENT	YTD	CURRENT	YTD
W-1	112.00	17,450	254,096	445.55 (A)	2,466.97
W-2	112.00	54,856	591,880	0.00	206.22
W-3	112.00	47,954	413,002	0.00	51.70
W-4	103.80	0	264,309	744.00 (B)	4,087.22
W-5	112.00	29,336	329,693	0.00	167.27
W-6	112.00	53,872	602,211	2.73 (C)	115.34
W-7	112.00	40,990	189,153	0.00	4,691.29
W-8	112.00	50,077	525,285	0.00	121.99
W-9	112.00	44,036	560,958	0.00	116.90
W-10	112.00	50,367	546,363	0.00	126.81
<b>PROJECT TOTAL:</b>	<b>1111.80</b>	<b>388,938</b>	<b>4,276,950</b>	<b>1,192.28</b>	<b>12,151.71</b>
<b>PLANT USE:</b>		<b>689</b>	<b>8,139</b>		
<b>NET GENERATION:</b>		<b>388,249</b>	<b>4,268,811</b>		

**PLANT RATING CURVE CAPACITY BASED ON 40 YR WATER**

996,910

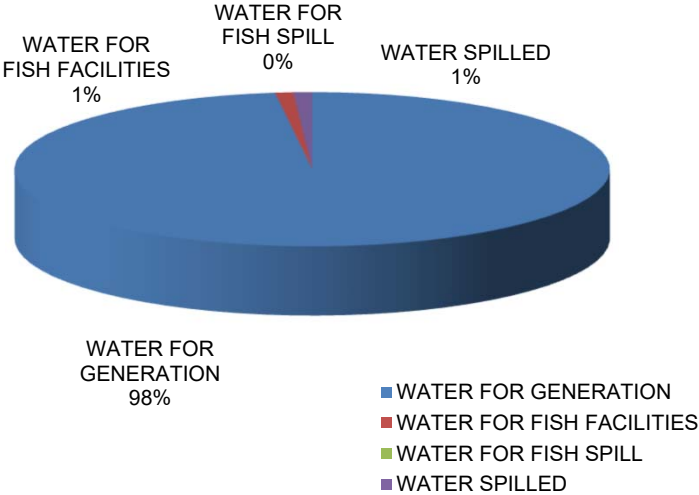
- (A) 30,000 Hour overhaul
- (B) Generator, governor, and exciter replacement
- (C) Troubleshooting W06 excitation

**WANAPUM POWERPLANT  
WATER UTILIZATION  
DECEMBER 2019**

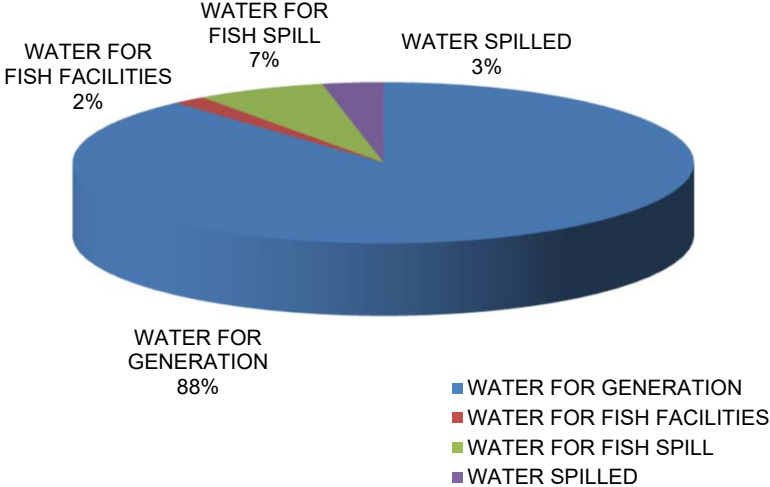
	WATER UTILIZED (ACRE FEET)	EQUIVALENT ENERGY (MWH)
TOTAL RIVER FLOW	5,841,350	396,886
WATER FOR GENERATION	5,724,370	388,938
WATER FOR FISH FACILITIES	57,270	3,891
WATER FOR FISH SPILL	0	0
WATER SPILLED	59,710	4,057

# Wanapum Water Utilization Report December 2019

## MONTHLY WATER USAGE



## YEAR TO DATE WATER USAGE





# Priest Rapids

## Public Utility District of Grant County, Ephrata, Washington MONTHLY REPORT OF POWER OPERATIONS

December 2019

Installed Capacity (A)	955,600	kW	Hours Plant Operated:	744	
Gross Generation (B)	383,593,900	kWH	Plant Use	864,700	kWH
Max. Hourly Generation (C)	744,700	kWH	Net Generation	382,729,200	kWH
Time of Max. Hourly Gen.	12/27/2019 0800		Water for Generation (D)	5,631,400	A.F.
Plant Factor	53.95%		Water Bypassed (E)	30	A.F.
Utilization Factor	77.93%		Water for Fish (F)	24,160	A.F.
Water Factor:	99.57%		Average Hydraulic Head:	77.7	Feet

### UNIT SERVICE RECORD

Unit No	Monthly Gen. (mWH)	Hrs. Operation	Hrs Down For Maint.	Availability Factor (G)	Nature of Maintenance
P-1	13,243	200.22	543.77	0.27	Exciter Fire
P-2	54,122	743.57	0.00	1.00	
P-3	51,197	734.23	0.00	1.00	
P-4	35,483	464.17	0.00	1.00	
P-5	30,057	394.32	0.00	1.00	
P-6	50,860	726.40	0.00	1.00	
P-7	51,175	727.85	0.00	1.00	
P-8	0	0.00	744.00	0.00	Turbine Replacement and Generator Upgrade.
P-9	52,708	735.35	8.30	0.99	Install Intake Bulkheads for FAWP #1 and FAWP #3.
P-10	44,749	640.03	8.30	0.99	Install Bulkheads at FAWP #1 and FAWP #3

(G) Availability Factor =

$$\frac{\text{Hours in Month} - \text{Hours Down for Maint.}}{\text{Hours in Month}}$$

$$\text{Plant Factor} = \frac{(B) * 100}{(A) * \text{Hours in Month}}$$

$$\text{Utilization Factor} = \frac{(C)}{(A)} * 100$$

$$\text{Water Factor} = \frac{(D)}{(D) + (E) + (F)} * 100$$

# Plant Service Interruptions

Plant: PRIEST  
RAPIDS

December, 2019

Date	Time	Duration		Unit	Circuit Breaker Tripped	Relays Operated		Remarks
		Month	Total			Type	Cause	
12/01/2019	0000	543:46	1945:33	P-1	132	MAN	6	Exciter Fire
12/01/2019	0000	744:00	6594:43	P-8	832	MAN	11	Turbine Replacement and Generator Upgrade.
12/17/2019	0727	8:18	8:18	P-9	932	MAN	11	Install Intake Bulkheads for FAWP #1 and FAWP #3.
12/17/2019	0727	8:18	8:18	P-10	1032	MAN	11	Install Bulkheads at FAWP #1 and FAWP #3

Relay Types: MAN - Manual OC - Overcurrent DIFF - Differential FREQ - Frequency GRD - Ground V - Voltage THER - Thermal TRIP - 86E Trip OTH - Other

Causes: 1 Lightning 2 All other weather 3 Trees, etc. into line 4 Malicious damage 5 Line down 6 Defective equipment 7 Inadequate system 8 Trouble on another system 9 Operation error 10 Relay error 12 Cause unknown 11 Prearranged outage 13 Computer control 14 Other

**PRIEST RAPIDS POWERPLANT GENERATION SUMMARY  
DECEMBER 2019**

UNIT	GENERATION (MWH)			MAINTENANCE HOURS	
	100% RATED INSTALLED CAPACITY	CURRENT	YTD	CURRENT	YTD
P-1	95.00	13,243	413,169	543.77 (A)	2,072.41
P-2	97.80	54,122	388,551	0.00	3,237.01
P-3	95.00	51,197	549,870	0.00	224.96
P-4	95.00	35,483	422,905	0.00	111.86
P-5	95.00	30,057	404,838	0.00	393.87
P-6	95.00	50,860	516,682	0.00	108.87
P-7	95.00	51,175	423,111	0.00	731.23
P-8	95.00	0	105,618	744.00 (B)	6,677.29
P-9	97.80	52,708	387,901	8.30 (C)	2,808.70
P-10	95.00	44,749	410,328	8.30 (C)	172.92
<b>PROJECT TOTAL:</b>	<b>955.60</b>	<b>383,594</b>	<b>4,022,973</b>	<b>1,304.37</b>	<b>16,539.12</b>
<b>PLANT USE:</b>		<b>865</b>	<b>14,242</b>		
<b>NET GENERATION:</b>		<b>382,729</b>	<b>4,008,731</b>		

**PLANT RATING CURVE CAPACITY BASED ON 40 YR WATER**

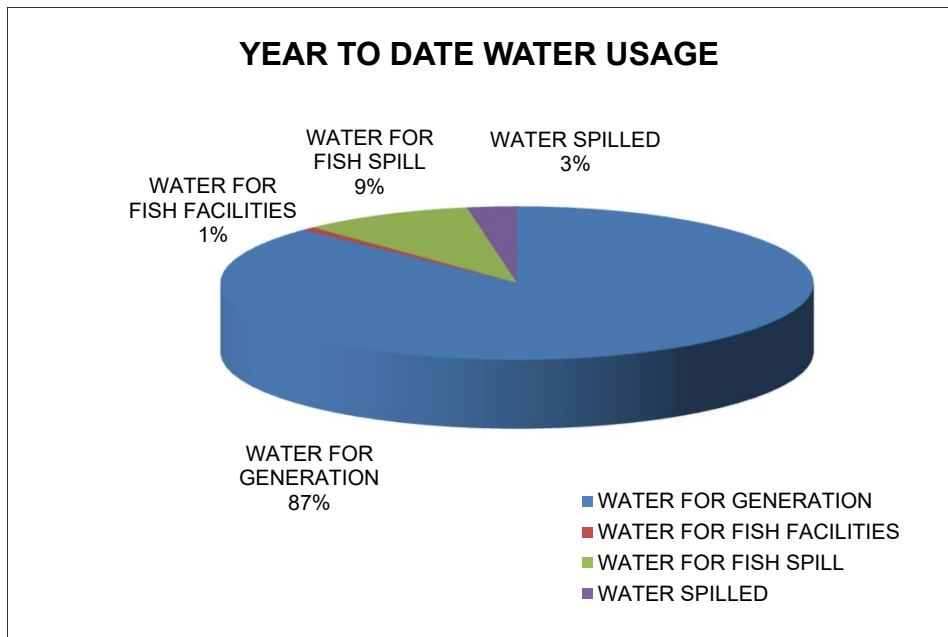
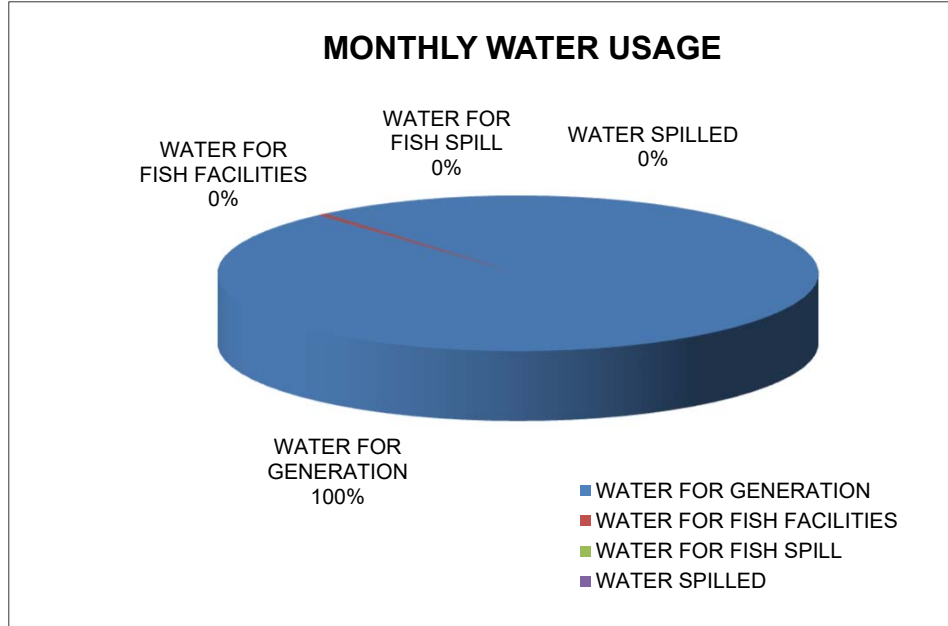
912,300

- (A) Exciter fire
- (B) P08 turbine/generator rehabilitation
- (C) Install intake bulkheads

**PRIEST RAPIDS POWERPLANT  
WATER UTILIZATION  
DECEMBER 2019**

	WATER UTILIZED (ACRE FEET)	EQUIVALENT ENERGY (MWH)
TOTAL RIVER FLOW	5,655,590	385,242
WATER FOR GENERATION	5,631,400	383,594
WATER FOR FISH FACILITIES	24,160	1,646
WATER FOR FISH SPILL	0	0
WATER SPILLED	30	2

# PRIEST RAPIDS WATER UTILIZATION REPORT DECEMBER 2019



**New Contract Requests - January 2020**

<b>Contract No.</b>	<b>Contractor</b>	<b>Contract Title</b>	<b>Estimated Contract Value</b>	<b>Date Submitted to Procurement</b>	<b>District Representative</b>	<b>Procurement Officer</b>
130-10172	Walmart	Moses Lake Walmart Conservation Rebate	\$ 42,343.80	1/6/2020	Eric Hector	Betty Snell
470-10188	Altec Industries	Purchase of Four TA 60 Bucket Trucks	\$ 1,050,000.00	1/14/2020	Brian Barrows	Nicona Butler
140-10201	Invenergy Solar Development North America LLC	Interconnection Agreement	\$ -	1/21/2020	Rodney Noteboom	Leah Mauceri
170-10025	TBD	Transformer Radiators	\$ 240,000.00	1/23/2020	William Coe	Patrick Bishop
330-10202	TBD	Wanapum Switchyard Road Improvements	\$ 375,000.00	1/29/2020	Maria Wren	Nicona Butler

**Contracts Executed - January 2020**

<b>Contract No.</b>	<b>Contractor</b>	<b>Contract Title</b>	<b>Awarded Contract Price</b>	<b>Executed Date</b>	<b>Completion Date</b>	<b>District Representative</b>	<b>Procurement Officer</b>
430-09818	Ergonare, Inc.	Maximo Consulting Services	\$ 100,000.00	1/9/2020	9/30/2020	Michael Conway	Kristin Fleisher
130-10172	Walmart	Moses Lake Walmart Conservation Rebate	\$ 42,343.80	1/13/2020	2/28/2020	Eric Hector	Betty Snell
160-10066	City of Ephrata	Pole Attachment Service Agreement		1/16/2020	1/16/2025	Richard Cole	Leah Mauceri
170-09937	Stella-Jones Corporation	Supplying Western Red Cedar Distribution Poles in 2020/21	\$ 687,750.00	1/20/2020	6/29/2021	Tom Schwiesow	Patrick Bishop
470-10092	KCDA Purchasing Cooperative	Crescent Bar Recreation Area Office Building	\$ 199,192.11	1/21/2020	5/1/2020	Jerri Mickle	Cindy Inch
130-09625	Basin Tree & Pest Service	Tree Trimming and Removal Services from February 2020 to December 2021	\$ 1,711,610.28	1/30/2020	12/31/2021	William Coe	Patrick Bishop
160-10000	Samaritan Healthcare	Pole Attachment License Agreement		1/30/2020	1/30/2023	Richard Cole	Leah Mauceri

**Closed Contracts - January 2020**

<b>Contract No.</b>	<b>Contractor</b>	<b>Contract Title</b>	<b>Current Contract Price</b>	<b>Close Out Date</b>	<b>District Representative</b>	<b>Procurement Officer</b>
130-3992	NoaNet	Professional Services for Network Operation Center Monitoring & Support	\$ 866,396.00	1/3/2020	Troy Holt	Betty Snell
470-09929	ISSquared, Inc.	Substation Firewall Hardware	\$ 665,074.34	1/3/2020	Kyle Hussey	Kristin Fleisher
260-08925	Confederated Tribes and Bands of the Yakama Nation	Non-Tracked Priest Rapids Hatchery Facility Use Agreement	\$ -	1/6/2020	Eric Lauver	Cindy Inch
130-07692	Tommer Construction Co. Inc.	Mountain View Access Road Construction and Lateral Modification	\$ 263,405.00	1/7/2020	Greg Cardwell	Patrick Bishop
130-07833	Advisicon, Inc.	Professional Services for Online Core Project Management Capabilities Deployment and Role-Based Training	\$ 130,450.00	1/8/2020	Randy Weisheit	Nicona Butler
430-09174	McKinstry Essention LLC	Facilities Operation and Condition	\$ 210,266.00	1/8/2020	Tim Fleisher	Nicona Butler
120-08787	PacifiCorp	Not Tracked - PacifiCorpo Meaningful Sale of Power	\$ 16,000,000.00	1/8/2020	Phillip Law	Nicona Butler
430-08697	Express Employment Professionals	Staff Augmentation for Project Management	\$ 135,000.00	1/8/2020	Fallon Long	Patrick Bishop
470-09889	Pape Machinery	Purchase of Two E40XN Forklifts	\$ 61,674.32	1/8/2020	Kevin McCarthy	Nicona Butler
130-4171	Muchlinski Consulting	Professional Services for the EAS Upgrade	\$ 700,000.00	1/8/2020	Jeff Mettler	Nicona Butler
430-3268	Welsh Commissioning Group, Inc.	Building Commissioning Services	\$ 375,000.00	1/9/2020	Greg Minden	Nicona Butler
430-3083B	HDR Engineering, Inc.	Engineering Services for Hatchery Design and Construction Management	\$ 5,678,000.00	1/16/2020	Tristan Poteet	Betty Snell
430-09050	Vivid Learning Systems	Vivid Learning - LMS	\$ 36,750.00	1/20/2020	Nels Hanson	Betty Snell
330-2068	PowerTech Labs, Inc.	Professional Engineering Services for Laboratory of Electrical Equipment	\$ 450,000.00	1/20/2020	Todd Lee	Lori Englehart-Jewell
430-1288	Oakwood Consulting, Inc.	Engineering Services for Hydraulic Engineering	\$ 1,550,000.00	1/20/2020	Jennifer Bell	Betty Snell
470-09569	Allor Manufacturing, Inc.	Quincy Chute Trash Rake Chains	\$ 89,693.00	1/21/2020	Jennifer Bell	Betty Snell
430-2445	Bentley System, Incorporated	Professional Services for Upgrade and Maintenance of eBid System	\$ 694,450.54	1/21/2020	Carol Mayer	Nicona Butler
130-3519	Integra Paperless Business Solutions	Prof Svcs to Scan District Records	\$ 100,000.00	1/23/2020	Beverly Peterson	Betty Snell
430-09253	Incremental Systems Corp.	Dispatch Performance Audit	\$ 100,000.00	1/23/2020	LeRoy Patterson	Cindy Inch
470-09891	Bud Clary Chevrolet	Purchase of Two Chevrolet Bolt Electric Vehicles	\$ 73,814.00	1/24/2020	Kevin McCarthy	Nicona Butler
330-09261	Bridge Diagnostics, Inc.	Wanapum Dam Spillway Gate & Strain Gaging	\$ 105,368.53	1/27/2020	David Dempsey	Betty Snell
430-09452	Strategies 360, Inc.	2019 Customer Satisfaction Survey	\$ 60,000.00	1/27/2020	Ryan Holterhoff	Cindy Inch
430-4330	Archer Security Group LLC	Cybersecurity Risk Assessment	\$ 375,000.00	1/28/2020	Gene Austin	Betty Snell
430-3937	Northwest Hydraulic Consultants, Inc.	Water Temperature Modeling for the Priest Rapids Project	\$ 176,830.00	1/28/2020	Peter Graf	Cindy Inch
430-4338	D. Rohr & Associates, Inc.	Priest Rapids Coordinating Committee Facilitation and External Affairs Consulting - D Rohr & Associates	\$ 486,000.00	1/29/2020	Andrew Munro	Cindy Inch



**Closed Contracts - January 2020**

<b>Contract No.</b>	<b>Contractor</b>	<b>Contract Title</b>	<b>Current Contract Price</b>	<b>Close Out Date</b>	<b>District Representative</b>	<b>Procurement Officer</b>
430-4340	Strategies 360, Inc.	State Legislative & Regulatory Affairs Consulting - Strategies 360	\$ 178,000.00	1/29/2020	Andrew Munro	Cindy Inch
430-09407	Intuitive Safety Solutions, Inc.	Safety Coordinator Services	\$ 200,000.00	1/29/2020	Craig Bressan	Betty Snell
430-4339	Washington 2 Advocates LLC	Governmental and Regulatory Affairs Consulting - WA 2 Advocates	\$ 283,000.00	1/30/2020	Andrew Munro	Cindy Inch
130-08536	Basin Tree & Pest Service	Tree Trimming and Removal Services from August 2018 to August 2019	\$ 653,491.77	1/31/2020	Chris Heimbigner	Patrick Bishop
430-08995	Sapere Consulting	Financial Consulting Services	\$145,000.00	1/20/2020	Bonnie Overfield	Betty Snell

**Change Orders Executed - 2020**

Contract No.	CO No.	Cost Change	Current Contract Price	Contractor	Contract Title	Change Order Description	Approval Level	CO Executed Date	Contract Completion Date	Procurement Officer
130-06578	1	\$ -	\$ 900,000.00	Electrical Consultants, Inc.	System Studies Engineering Master Service Agreement	Incorporate contract language to allow contractor to use the services of subcontractors and to make purchases on behalf of the District and revise the rate schedule to add the subcontractor mark-up.	Senior Manager/Plant Manager	1/3/2020	12/30/2022	Patrick Bishop
130-09283	1	\$ 75,000.00	\$ 225,000.00	Energy West, LLC	2019 Wholesale Marketing and Supply Strategies	Increase the Contract Price and extend the Contract completion date.	District Representative	1/3/2020	12/31/2020	Nicona Butler
430-08649	1	\$ 250,000.00	\$ 395,200.00	The Pythian Group Inc.	Enterprise Database Support	Increase the Contract Price.	Executive Management (GM/CCO/CFO/COO/Atty)	1/8/2020	10/7/2023	Nicona Butler
170-10016	1	\$ -	\$ 125,749.00	Versalift Northwest LLC	Supply of One 2019 Dodge Ram 5500 Service Truck	Extend the Contract completion date.	District Representative	1/9/2020	2/29/2020	Nicona Butler
430-06949	1	\$ -	\$ -	ICMA Retirement Corporation	Deferred Compensation Recordkeeper	Replace Sections 4.A and 4.B and extend the Contract completion date.	Senior Manager/Plant Manager	1/15/2020	3/31/2021	Betty Snell
430-09341	1	\$ 175,000.00	\$ 330,000.00	Nash Consulting, Inc.	Leadership Training & Development	Increase the Contract Price and extend the Contract completion date.	Executive Management (GM/CCO/CFO/COO/Atty)	1/16/2020	12/31/2021	Lori Englehart-Jewell
230-3737	24	\$ (31,152.86)	\$ 105,385,578.80	GE Steam Power, Inc.	Priest Rapids Dam Generator Rehabilitation	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.	Senior Manager/Plant Manager	1/16/2020	12/31/2026	Lori Englehart-Jewell
430-08172	3	\$ -	\$ 235,000.00	Northwest Anthropology, LLC	Wanapum Library Development	Extend the Contract completion date.	Managing Director	1/20/2020	1/25/2021	Lori Englehart-Jewell
130-08409	1	\$ -	\$ 700,000.00	GDS Associates, Inc.	Rate Design	Add CIP language to Contract.	Executive Management (GM/CCO/CFO/COO/Atty)	1/20/2020	12/31/2021	Betty Snell
330-2765	1	\$ -	\$ 200,000.00	Veritas Advisory Group, Inc.	Expert Witness for GCC Litigation	Increase the hourly rates.	Executive Management (GM/CCO/CFO/COO/Atty)	1/21/2020		Leah Mauceri
130-10011	1	\$ -	\$ 248,620.00	Basin Refrigeration & Heating, Inc	Ephrata Headquarters Cooling Tower Replacement	Extend the Substantial and Final completion dates.	Department Manager	1/27/2020	5/15/2020	Nicona Butler
230-09184	5	\$ -	\$ 515,342.09	KRCI LLC	Priest Rapids Right Embankment Construction Water Supply	Extend the Contract completion date.	Senior Manager/Plant Manager	1/27/2020	2/21/2020	Guy Wanner
430-09550	1	\$ 50,000.00	\$ 837,250.00	Nicholson Construction Company	Rehabilitation of Priest Rapids Dam and Wanapum Dam Foundation Drain Holes	Increase Contract Price to drill undersized foundation drain holes and retrieve existing, abandoned drill tooling.	Department Manager	1/28/2020	5/31/2020	Kristin Fleisher
230-3871	5	\$ 2,350,000.00	\$ 6,650,000.00	Brazil Quality Services S/C LTDA EPP	Priest Rapids Turbine and Generator Quality Control and Inspection Services	Increase the Contract Price.	Commission	1/29/2020	12/31/2027	Lori Englehart-Jewell