

FYI Items

June 11, 2019

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. Hina Arai
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 May

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

Wanapum Generator Operations/Turbine Restoration:

W-1, 2, 3, 4, 5, 6, 8, 9, 10: Operational.

W-7 was removed from service December 11, 2018 for generator rotor rebuild and governor replacement. W-7 is scheduled to return to service July 12, 2019.

Priest Rapids Generator Operations/Turbine Restoration:

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

P-8 was removed from service April 1, 2019 due to turbine/generator rehabilitation. P-8 is scheduled to return to service May 21, 2020.

P-9 was removed from service April 23, 2019 for excessive oil head vibration. P-9 was returned to service May 4, 2019. P-9 was forced out on May 8, 2019 for excessive oil head vibration. P-9 is expected to return to service June 27, 2019.

Priest Rapids Project Highlights
June 11, 2019

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

ELECTRIC SERVICE INTERRUPTION REPORTS: May 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, June 26th 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	

Wanapum

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

May 2019

Installed Capacity (A)	1,111,800	kW	Hours Plant Operated:	744	
Gross Generation (B)	470,015,200	kWH	Plant Use	653,000	kWH
Max. Hourly Generation (C)	796,400	kWH	Net Generation	469,362,200	kWH
Time of Max. Hourly Gen.	05/13/2019 0000		Water for Generation (D)	6,763,410	A.F.
Plant Factor	56.82%		Water Bypassed (E)	2,426,500	A.F.
Utilization Factor	71.63%		Water for Fish (F)	129,270	A.F.
Water Factor:	72.58%		Average Hydraulic Head:	77.9	Feet

UNIT SERVICE RECORD

Unit No	Monthly Gen. (mWH)	Hrs. Operation	Hrs Down For Maint.	Availability Factor (G)	Nature of Maintenance
W-1	36,502	462.83	0.00	1.00	
W-2	45,312	581.48	13.32	0.98	Replace Station Service #1 Watt Hour Meter
W-3	50,962	650.88	0.00	1.00	
W-4	54,096	700.77	0.00	1.00	
W-5	55,211	718.25	0.00	1.00	
W-6	56,010	727.03	0.00	1.00	
W-7	0	0.00	744.00	0.00	Generator Rotor Replacement and Unit Governor Replacement
W-8	56,724	733.27	9.12	0.99	Replace Flex Linksfor W-7 at Transformer D - Clearance 19-0323
W-9	57,461	744.00	0.00	1.00	
W-10	57,737	744.00	0.00	1.00	

(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: WANAPUM

May, 2019

Date	Time	Duration		Unit	Circuit Breaker Tripped	Relays Operated		Remarks
		Month	Total			Type	Cause	
05/01/2019	0000	13:19	54:47	W-2	W-232	MAN	11	Replace Station Service #1 Watt Hour Meter
05/01/2019	0000	744:00	4119:49	W-7	W-732	MAN	11	Generator Rotor Replacement and Unit Governor Replacement
05/14/2019	0628	9:07	9:07	W-8	W-832	MAN	11	Replace Flex Linksfor W-7 at Transformer D - Clearance 19-0323

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
MAY 2019**

UNIT	GENERATION (MWH)			MAINTENANCE HOURS	
	100% RATED INSTALLED CAPACITY	CURRENT	YTD	CURRENT	YTD
W-1	112.00	36,502	176,926	0.00	34.42
W-2	112.00	45,312	232,878	13.32 (A)	94.48
W-3	112.00	50,962	184,649	0.00	11.10
W-4	103.80	54,096	211,661	0.00	12.22
W-5	112.00	55,211	146,427	0.00	11.60
W-6	112.00	56,010	245,183	0.00	12.44
W-7	112.00	0	0	744.00 (B)	3,623.00
W-8	112.00	56,724	228,946	9.12 (C)	17.02
W-9	112.00	57,461	229,592	0.00	11.35
W-10	112.00	57,737	221,058	0.00	9.22
PROJECT TOTAL:	1111.80	470,015	1,877,320	766.44	3,836.85
PLANT USE:		653	3,590		
NET GENERATION:		469,362	1,873,730		

PLANT RATING CURVE CAPACITY BASED ON 40 YR WATER

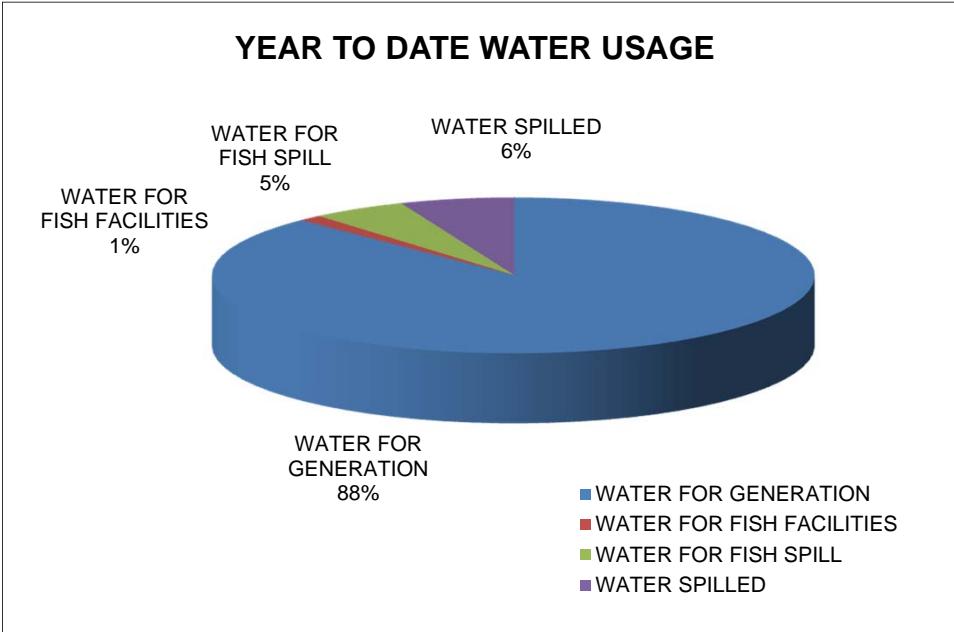
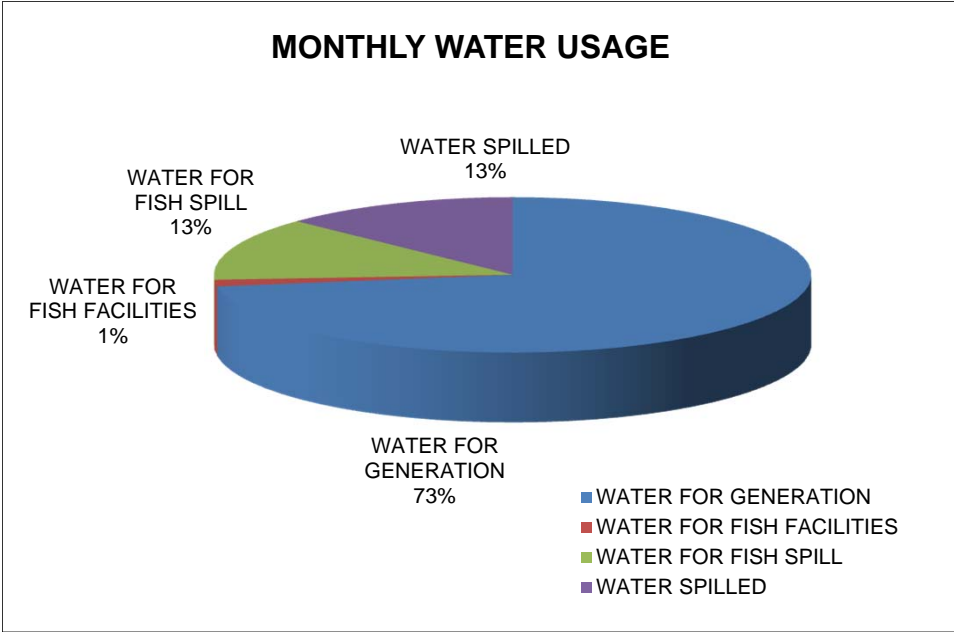
996,910

- (A) Replace Station Service #1 Watt Hour Meter
- (B) Generator Rotor/Unit Governor Replacement
- (C) Replace Flex Links for W07 at Transformer D

**WANAPUM POWERPLANT
WATER UTILIZATION
MAY 2019**

	WATER UTILIZED (ACRE FEET)	EQUIVALENT ENERGY (MWH)
TOTAL RIVER FLOW	9,319,180	647,625
WATER FOR GENERATION	6,763,410	470,015
WATER FOR FISH FACILITIES	129,270	8,983
WATER FOR FISH SPILL	1,226,179	85,212
WATER SPILLED	1,200,321	83,415

Wanapum Water Utilization Report May 2019



Priest Rapids

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

May 2019

Installed Capacity (A)	955,600	kW	Hours Plant Operated:	744	
Gross Generation (B)	413,080,400	kWH	Plant Use	1,321,800	kWH
Max. Hourly Generation (C)	702,800	kWH	Net Generation	411,758,600	kWH
Time of Max. Hourly Gen.	05/29/2019 1300		Water for Generation (D)	6,376,000	A.F.
Plant Factor	58.10%		Water Bypassed (E)	2,630,190	A.F.
Utilization Factor	73.55%		Water for Fish (F)	77,000	A.F.
Water Factor:	70.20%		Average Hydraulic Head:	74.6	Feet

UNIT SERVICE RECORD

Unit No	Monthly Gen. (mWH)	Hrs. Operation	Hrs Down For Maint.	Availability Factor (G)	Nature of Maintenance
P-1	52,194	744.00	0.00	1.00	
P-2	53,904	744.00	0.00	1.00	
P-3	52,126	743.03	0.93	1.00	Oilhead Thermal Displacement Measurement Test (Kenny Morse)
P-4	53,778	742.80	0.00	1.00	
P-5	52,982	736.87	2.43	1.00	Rolling Outage for MW Hour Meter Testing
P-6	50,850	721.57	3.00	1.00	- During morning rounds, operator found P06 Governor Oil Pump #2 running and very noisy. Pump was shut down. Restart of both Governor Pumps failed. Unit was shut down because of dropping oil pressure. Low Governor Oil Pressure - Unloader Valve Malfunction Rolling Outage for MW Hour Meter Testing
P-7	49,817	703.72	0.00	1.00	
P-8	0	0.00	744.00	0.00	Turbine Replacement and Generator Upgrade.
P-9	5,274	56.83	652.87	0.12	Excessive Vibration For Excessive Vibration
P-10	42,156	586.47	0.00	1.00	

Priest Rapids

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

May 2019

(G) Availability
Factor=

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

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

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

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

Plant Service Interruptions

Plant: PRIEST
RAPIDS

May, 2019

Date	Time	Duration		Unit	Circuit Breaker Tripped	Relays Operated		Remarks
		Month	Total			Type	Cause	
05/01/2019	0000	744:00	1457:43	P-8	832	MAN	11	Turbine Replacement and Generator Upgrade.
05/01/2019	0000	93:05	270:35	P-9	932	MAN	14	For Excessive Vibration
05/03/2019	1102	0:24	0:24	P-6	632	MAN	6	Low Governor Oil Pressure - Unloader Valve Malfunction
05/07/2019	0721	2:26	2:26	P-5	532	MAN	11	Rolling Outage for MW Hour Meter Testing
05/07/2019	1001	2:17	2:17	P-6	632	MAN	11	Rolling Outage for MW Hour Meter Testing
05/08/2019	1613	559:47	559:47	P-9	932	MAN	6	Excessive Vibration
05/15/2019	0638	0:19	0:19	P-6	632	MAN	6	- During morning rounds, operator found P06 Governor Oil Pump #2 running and very noisy. Pump was shut down. Restart of both Governor Pumps failed. Unit was shut down because of dropping oil pressure.
05/23/2019	0913	0:56	0:56	P-3	332	MAN	11	Oilhead Thermal Displacement Measurement Test (Kenny Morse)

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
MAY 2019**

UNIT	GENERATION (MWH)			MAINTENANCE HOURS	
	100% RATED INSTALLED CAPACITY	CURRENT	YTD	CURRENT	YTD
P-1	95.00	52,194	208,527	0.00	13.29
P-2	97.80	53,904	128,736	0.00	1,838.52
P-3	95.00	52,126	236,946	0.93 (A)	119.98
P-4	95.00	53,778	175,566	0.00	43.22
P-5	95.00	52,982	184,126	2.43 (B)	111.50
P-6	95.00	50,850	243,842	3.00 (B, C)	3.00
P-7	95.00	49,817	218,737	0.00	9.73
P-8	95.00	0	105,618	744.00 (D)	1,540.29
P-9	97.80	5,274	129,087	652.87 (E)	1,364.81
P-10	95.00	42,156	185,259	0.00	9.08
PROJECT TOTAL:	955.60	413,081	1,816,444	1,403.23	5,053.42
PLANT USE:		1,322	5,163		
NET GENERATION:		411,759	1,811,281		

PLANT RATING CURVE CAPACITY BASED ON 40 YR WATER

912,300

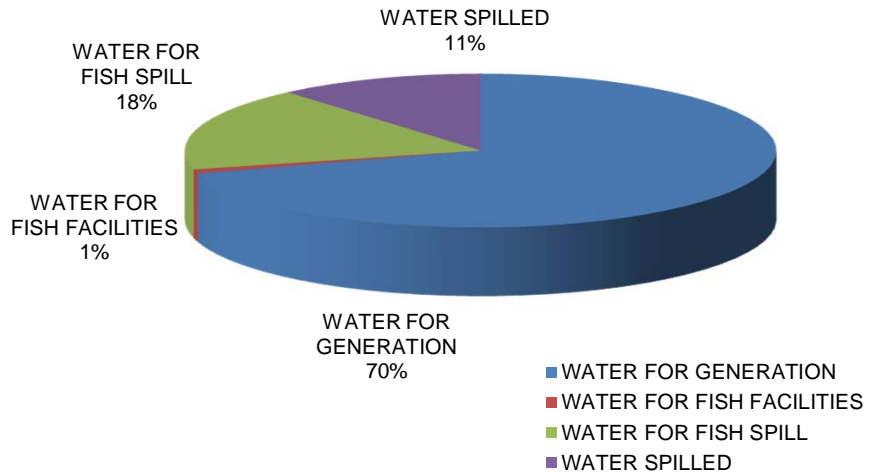
- (A) Oilhead Thermal Displacement Measurement Test
- (B) Rolling Outage for MW Hour Meter Testing
- (C) Low Governor Oil Pressure, Unloader Valve Malfunction
- (D) P08 Turbine/Generator Rehabilitation
- (E) Excessive Vibration

**PRIEST RAPIDS POWERPLANT
WATER UTILIZATION
MAY 2019**

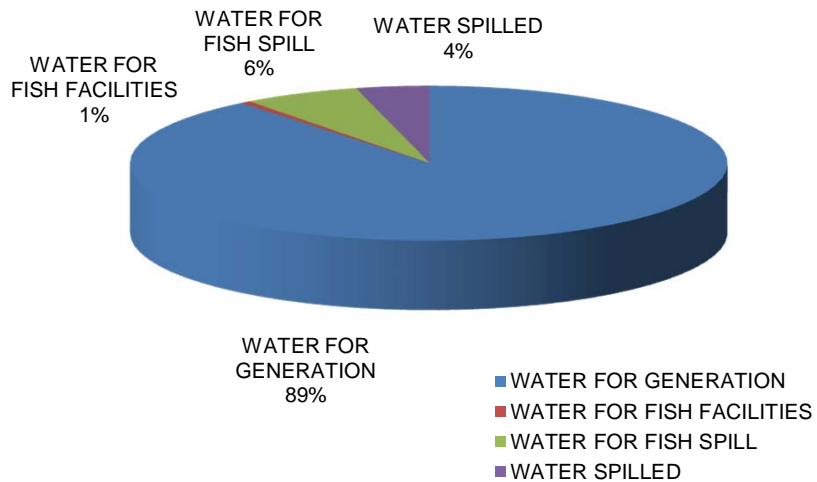
	WATER UTILIZED (ACRE FEET)	EQUIVALENT ENERGY (MWH)
TOTAL RIVER FLOW	9,083,190	588,470
WATER FOR GENERATION	6,376,000	413,080
WATER FOR FISH FACILITIES	77,000	4,989
WATER FOR FISH SPILL	1,601,726	103,771
WATER SPILLED	1,028,464	66,631

PRIEST RAPIDS WATER UTILIZATION REPORT MAY 2019

MONTHLY WATER USAGE



YEAR TO DATE WATER USAGE



New Contract Requests - May 2019

Contract No.	Contractor	Contract Title	Estimated Contract Value	Date Submitted to Procurement	District Representative	Procurement Officer
430-09568	Russell Post Environmental Consulting, LLC	HazWaste Management Consultation	\$ 25,000.00	5/3/2019	Ross Hendrick	Cindy Inch
470-09569	TBD	Quincy Chute Trash Rake Chains	\$ 84,000.00	5/6/2019	Jennifer Bell	Betty Snell
430-09499	TBD	Civil Engineering and Surveying Services	\$ 2,000,000.00	5/7/2019	Randy Kono	Patrick Bishop
230-09576S	K&N Electric Motors, Inc.	Fairbanks Morse 300HP Motor Rewind	\$ 26,000.00	5/7/2019	Amy Johnson	Betty Snell
260-09575	Washington State Department of Fish And Wildlife	WDFW OLAFT Facilities Use Agreement	\$ -	5/8/2019	Rolland O'Connor	Cindy Inch
330-09558	TBD	Supply of Wanapum Right Bank Slope Stabilization Materials	\$ 200,000.00	5/8/2019	Christopher Steinmetz	Kristin Fleisher
230-09521	TBD	Priest Rapids Spillway Stability Improvement Project	\$ 10,000,000.00	5/9/2019	Christopher Steinmetz	Kristin Fleisher
430-09550	TBD	Rehabilitation of Priest Rapids Dam and Wanapum Dam Foundation Drain Holes	\$ 1,000,000.00	5/14/2019	Christopher Steinmetz	Kristin Fleisher
230-09184	TBD	Priest Rapids Right Embankment Construction Water Supply	\$ 430,000.00	5/20/2019	Vanessa Seldal	Kristin Fleisher
140-09606	Vantage Data Centers, LLC	Large Power Facilities Agreement	\$ -	5/20/2019	Shane Lunderville	Leah Mauceri
430-09586	TBD	Quincy Local Office Reroof	\$ 190,000.00	5/20/2019	Greg Minden	Nicona Butler
140-09607	H5 Data Centers - Quincy, LLC	Large Power Facilities Agreement	\$ -	5/20/2019	Shane Lunderville	Leah Mauceri
140-09608	Sabey Data Center Properties	Large Power Facilities Agreement	\$ -	5/21/2019	Shane Lunderville	Leah Mauceri
140-09609	Cyrus One LLC	Large Power Facilities Agreement	\$ -	5/21/2019	Shane Lunderville	Leah Mauceri
140-09610	Fruit Orchard Holdings, Inc.	Large Power Facilities Agreement	\$ -	5/21/2019	Shane Lunderville	Leah Mauceri
430-09589	Taborda Solutions	BMC Annual Renewal	\$ 31,976.97	5/21/2019	Dave Manville	Nicona Butler
130-09600	BlueCielo ECM Solutions	Blue Cielo Software Maintenance and Support Renewal	\$ 30,923.36	5/23/2019	Ken Holsten	Nicona Butler
-09619		Supplying Allied Telesis Multiservice Gateway Electronics for Fiber Termination	\$ 950,000.00	5/23/2019	Troy Holt	Patrick Bishop
-09613		Catamaran Beam Assembly	\$ 5,000.00	5/23/2019	Jennifer Bell	Nicona Butler
430-09591	Prosci, Inc.	Professional Services providing Change Management Training	\$ 61,000.00	5/24/2019	Melanie Beck	Nicona Butler
-09592		Pole Attachment Audit	\$ -	5/24/2019	Brook Fankhauser	Nicona Butler
230-09629S	TBD	Priest Rapids Draft Tube Drain Valve Replacement	\$ 35,000.00	5/29/2019	Casey Holter	Betty Snell
430-09634	Russell Post Environmental Consulting, LLC	QA Testing 529	\$ 25,000.00	5/29/2019	Ross Hendrick	Cindy Inch
130-09598	Emerson Process Management	Annual Sure Service Maintenance Renewal	\$ 34,273.00	5/30/2019	Jeff Reams	Nicona Butler
-09626		Annual VMware Maintenance Renewal	\$ 75,306.22	5/31/2019	Mark Dean	Nicona Butler

Contracts Executed - May 2019

Contract No.	Contractor	Contract Title	Awarded Contract Price	Executed Date	Completion Date	District Representative	Procurement Officer
130-09370S	Young Bucks Landscaping LLC	Tree Removal for Mattawa Feeder	\$ 227,000.00	5/8/2019	8/1/2019	William Coe	Patrick Bishop
430-09449	Murphy & Associates, Inc.	Murphy and Associates Staff Augmentation	\$ 350,000.00	5/10/2019	4/30/2020	Michael Conway	Nicona Butler
130-09366	GE/Alstom Grid, LLC	Live Tank Breaker Installation and Commissioning Support	\$ 75,000.00	5/16/2019	12/31/2019	Chris Johnson	Patrick Bishop
170-09519	Doble Engineering Company	Doble F6150SV Test Set	\$ 69,555.00	5/17/2019	7/1/2019	William Coe	Patrick Bishop
230-09463	Geo Services	Build Tule Mat Lodge at Wanapum Indian Village	\$ 300,000.00	5/22/2019	12/31/2021	Andrew Murphy	Lori Englehart-Jewell
430-09329	SEL Engineering Services, Inc.	Engineering Services for Plant Switchgear	\$ 350,000.00	5/29/2019	3/1/2024	Brady Brown	Betty Snell
130-09537	Oracle America, Inc.	Oracle America CCS Cloud Subscriptions and Implementation	\$ 6,242,455.12	5/29/2019	7/31/2027	Terry McKenzie	Nicona Butler
430-09568	Russell Post Environmental Consulting, LLC	HazWaste Management Consultation	\$ 25,000.00	5/29/2019	12/31/2020	Ross Hendrick	Cindy Inch
430-09589	Taborda Solutions	BMC Annual Renewal	\$ 31,976.97	5/31/2019	5/31/2020	Dave Manville	Nicona Butler
130-09598	Emerson Process Management	Annual Sure Service Maintenance Renewal	\$ 34,273.00	5/31/2019	5/31/2020	Jeff Reams	Nicona Butler
130-09600	BlueCielo ECM Solutions	Blue Cielo Software Maintenance and Support Renewal	\$ 30,923.74	5/31/2019	5/31/2020	Ken Holsten	Nicona Butler
430-09514	Kalles Group, LLC	Enterprise Risk Assessment	\$ 50,000.00	5/31/2019	12/31/2019	Kyle Hussey	Nicona Butler
230-09576S	K&N Electric Motors, Inc.	Fairbanks Morse 300HP Motor Rewind	\$ 26,091.86	5/31/2019	7/8/2019	Amy Johnson	Betty Snell
170-09472	CXT Incorporated	Supplying Five Fiber Huts in 2019	\$ 304,673.50	5/31/2019	11/20/2019	Jeremy Conner	Patrick Bishop
260-09575	Washington Dept. of Fish and Wildlife	OLAFT Facility Use Agreement	\$ -	5/31/2019	11/15/2019	Rolland O'Connor	Cindy Inch

Closed Contracts - May 2019

Contract No.	Contractor	Contract Title	Current Contract Price	Close Out Date	District Representative	Procurement Officer
430-3017	PricewaterhouseCoopers LLP	Annual Audit of District's Financial Statements	\$ 1,857,555.00	5/6/2019	Michael Facey	Betty Snell
430-09181	ABB Inc.	ABB Actuator Rebuilds	\$ 29,625.00	5/8/2019	Joey McGuire	Betty Snell
430-08559	Association of State Dam Safety Officials	Dam Safety Program Peer Review	\$ 105,000.00	5/15/2019	Dale Campbell	Betty Snell
430-08945	Murphy & Associates, Inc.	Microsoft SQL Administration Support	\$ 120,000.00	5/16/2019	Michael Conway	Nicona Butler
430-08449	Aqitas Solutions, Inc.	Annual Maximo Maintenance Renewal	\$ 70,171.20	5/16/2019	Michael Conway	Nicona Butler
470-09281	Columbia Ford Lincoln Hyundai	Purchase of Two F350 Regular Cab Trucks	\$ 68,716.00	5/16/2019	Matthew Wood	Nicona Butler

Change Orders Executed - May 2019

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
130-08407H	3	\$ 6,629.20	\$ 969,608.70	Magnum Power, LLC	Labor to Construct the Wheeler Road Tap - Road N 115kV Line Project	Increase the Contract Price and extend the Contract completion date for additional Contractor labor hours to install aerial marker balls in accordance with Contractor Change Order Proposal No. 3 & District Dwg. SDAW-7.48.	Senior Manager/Plant Manager	5/3/2019	7/1/2019	Patrick Bishop
130-08407H	1	\$ 899.61	\$ 960,522.69	Magnum Power, LLC	Labor to Construct the Wheeler Road Tap - Road N 115kV Line Project	Increase the Contract Price due to construction site fencing modifications in accordance with Contractor Change Order Proposal No. 1.	Senior Manager/Plant Manager	5/3/2019	6/28/2019	Patrick Bishop
130-08407H	2	\$ 2,456.81	\$ 962,979.50	Magnum Power, LLC	Labor to Construct the Wheeler Road Tap - Road N 115kV Line Project	Increase the Contract Price for additional Contractor labor hours to replace wire in accordance with Contractor Change Order Proposal No. 2.	Senior Manager/Plant Manager	5/3/2019	6/28/2019	Patrick Bishop
230-09112S	2	\$ 15,000.00	\$ 253,268.08	Hancock Sandblast & Paint LLC	Touch-Up Painting for Priest Rapids Dam Units 2-4	Immediate Need Change Order to add Task 8 to the end of Section SR-2 and replace Section TS-4 Items 4.2 and 4.3.	District Representative	5/16/2019	12/28/2022	Lori Englehart-Jewell
430-09297S	1	\$ 8,395.00	\$ 50,370.00	KRCI LLC	Crescent Bar Campground Dry Ponds	Increase the Contract Price for conversion of one additional swale to a dry pond.	Department Manager	5/17/2019	6/6/2019	Cindy Inch
430-3218	8	\$ 318,607.00	\$ 2,657,191.00	Washington State Department of Fish And Wildlife	Priest Rapids Hatchery M&E/OIAFT Studies	Increase the Contract Price and extend the Contract completion date.	Managing Director	5/22/2019	6/30/2020	Cindy Inch
130-3991	1	\$ -	\$ 150,000.00	Thaxton Parkinson, PLLC	Professional Services for Legal and General Guidance in RCW 39.10	Revise the maximum hourly rate for the Managing Member.	Senior Manager/Plant Manager	5/24/2019	12/31/2021	Patrick Bishop
130-07810SR	1	\$ -	\$ 131,750.00	Dan Booth Electric	Meter Base Repairs and Replacements	Extend the Contract completion date.	Managing Director	5/24/2019	9/30/2019	Patrick Bishop
430-3657B	3	\$ 450,000.00	\$ 2,500,000.00	Jacobs Engineering Group Inc.	General Professional Engineering Services	Increase the Contract Price.	Managing Director	5/29/2019	7/31/2021	Betty Snell
430-08577	1	\$ -	\$ 75,000.00	Nationwide CLEC LLC dba CCG Consulting	Wholesale Fiber Business Planning	Extend the Contract completion date and replace the District Representative.	Senior Manager/Plant Manager	5/30/2019	6/1/2020	Cindy Inch