AGENDA
BENTON COUNTY PUBLIC UTILITY DISTRICT NO. 1
COMMISSION MEETING

Tuesday *November 12, 2019* *9:00 a.m.*
2721 West 10th Ave., Kennewick

1. Pledge of Allegiance

2. Public Comment
Public in attendance should read the "Guidelines for Public Participation at Commission Meetings", available the day of the meeting, or at www.bentonpud.org, Guidelines.

3. Treasurer's Report *(pg.3)*

4. **APPROVAL OF CONSENT AGENDA**

(All matters listed within the Consent Agenda have been distributed to each member of the Commission for reading and study, are considered to be routine, and will be enacted by one motion of the Commission with no separate discussion. If separate discussion is desired by any member of the Commission, that item will be removed from the Consent Agenda and placed on the Regular Agenda by request.)

a) Commission Minutes of October 22, 2019. *(pg.6)*
b) Periodic Travel Report dated November 12, 2019. *(pg.10)*
c) Vouchers dated November 12, 2019. *(pg.11)*
d) Quit Claim – Olympia Estates. *(pg.46)*
e) Customer Billing Correction. *(pg.50)*
f) Resolution No. 2518, appointing a person as Deputy Treasurer for the District. *(pg.51)*
g) Resolution No. 2519, designating Deputy Auditors for the District. *(pg.53)*
h) Resolution No. 2520, approving the authority to issue checks or warrants and initiate electronic funds transfers (EFTs). *(pg.55)*
i) Resolution No. 2522, authorizing the General Manager to enter into the Collective Bargaining Agreement. *(pg.57)*
j) NoaNet, Contract Change Order, extend term of contract and increase not-to-exceed amount. *(pg.60)*
k) Oracle America, Contract Change Order, increase not-to-exceed amount. *(pg.62)*
l) National Information Solutions Cooperative (NISC) Contract Award Recommendation, tracking costs and invoices. *(pg.68)*
m) 15kV Triplex Cable, Bid Package No. 19-15, Contract Award Recommendation. *(pg.70)*
n) Identity Theft Protection and Prevention Program – Annual Report. *(pg.73)*
o) Strategic Plan – Navigating Change – 2019 Addendum – Third Quarter Report 2019. *(pg.74)*

5. **REPORT FROM MANAGEMENT**

6. **BUSINESS AGENDA**

a) Work Order 584434, New Southridge Substation Construction and Work Order 511679, Southridge Substation Transmission Interconnect
Action Item/Evan Edwards *(pg.155)*

b) Department of Energy, BPA, Contract Award Administration, Southridge Substation Interconnection
Action Item/Rick Dunn *(pg.158)*

c) Resolution No. 2521, adopting the District's Electrification of Transportation Plan
Action Item/Chris Johnson *(pg.165)*

d) Resolution Draft, In Support of Actions to Ensure Electric Sector Resource Adequacy in the Pacific Northwest
Info. Only/Possible Action Chad Bartram *(pg.185)*

e) Pole Attachment Rate Methodology
Info. Only/Jon Meyer/Kent Zirker *(pg.190)*

f) Performance Measures – 3rd Quarter 2019 Report
Info. Only/Jon Meyer/Kent Zirker *(pg.191)*

7. Other Business

8. Future Planning

9. Meeting Reports

10. Executive Session

(To request an accommodation to attend a commission meeting due to a disability, contact conoverm@bentonpud.org, or call (509) 582-1227, and the District will make every effort to reasonably accommodate identified needs.)

PUBLIC UTILITY DISTRICT NO. 1 OF BENTON CO., WA.

TREASURER'S REPORT TO COMMISSION FOR OCTOBER 2019

Nov 5, 2019

Final

REVENUE FUND:		RECEIPTS	DISBURSEMENTS	BALANCE
10/01/19	**Cash Balance**			$ 4,212,163.93
	Collections	$ 12,884,236.74		
	Investments Matured	9,512,118.03		
	Miscellaneous - BAB's Subsidy	-		
	Transfer from Debt Service Fund	5,135,743.45		
	EFT Taxes		$ 422,502.27	
	Checks Paid		641,682.81	
	Debt Service to Unrestricted		5,135,743.45	
	Debt Service to Restricted		512,118.03	
	Investments Purchased		5,579,577.47	
	Deferred Compensation		174,552.19	
	Department of Retirement Systems		340,455.69	
	Purchase Inv		-	
	Special Fund-Construction Funds		-	
	Purchased Power		7,911,052.52	
	Direct Deposit - Payroll & AP		3,240,920.97	
	Credit Card Fees		30,729.30	
	Miscellaneous - Semi annual debt service payment		5,142,835.18	
	Sub-total	$ 27,532,098.22	$ 29,132,169.88	
10/31/19	**Cash Balance**			$ 2,612,092.27

Investment Activity	Balance 10/01/19	Purchased	Matured	LGIP Interest	Balance 10/31/19
	$47,452,976.86	6,012,118.03	9,512,118.03	$79,577.47	$44,032,554.33

Check Activity	Balance 10/01/19	Issued	Redeemed	Cancelled*	Balance 10/31/19
	$191,642.93	$817,976.10	$641,682.81	$12,572.79	$355,363.43

Unrestricted Reserves:	10/01/19	10/31/19	Change
Minimum Operating Reserves (90 DCOH) Incl. RSA (1)	$ 36,521,190.00	$ 36,538,650.00	$ 17,460.00
Designated Reserves (Bond Insurance Replacement)	2,612,152.17	2,612,152.17	-
Designated Reserves (Customer Deposits Account)	1,900,000.00	1,900,000.00	-
Designated Reserves (Power Market Volatility Account)	3,679,127.54	3,679,127.54	-
Designated Reserves (Special Capital Account)	-	-	-
Undesignated Reserves (DCOH 2 days) (2)	1,409,215.79	994,887.02	(414,328.77)
Unrestricted Reserves Total	46,121,685.50	45,724,816.73	**(396,868.77)**
DCOH - Based on Forecast (Unrestricted Reserves Total)	114	113	
Restricted Reserves:			
Bond Reserve Account	1,107,865.13	1,107,865.13	-
Bond Redemption Accounts	$4,435,590.15	($188,035.26) (3)	(4,623,625.42)
Restricted Reserves Total	**5,543,455.28**	**919,829.87**	**(4,623,625.42)**
TOTAL RESERVES	**$ 51,665,140.78**	**$ 46,644,646.60**	**$ (5,020,494.19)**

(1) RSA (Rate Stabilization Account): $7,500,000.00

(2) Undesignated Reserves are periodically reviewed to reallocate to the Designated Reserve accounts

(3) Anticipated Build America Bonds (BABs) credit. The credit was received on 11/4/2019 in the amount of $176,388.70

Prepared by: _____
Keith Mercer, Treasurer

Certified by: _____
Jon Meyer, Auditor

CASH & INVESTMENTS SUMMARY

as of October 31, 2019

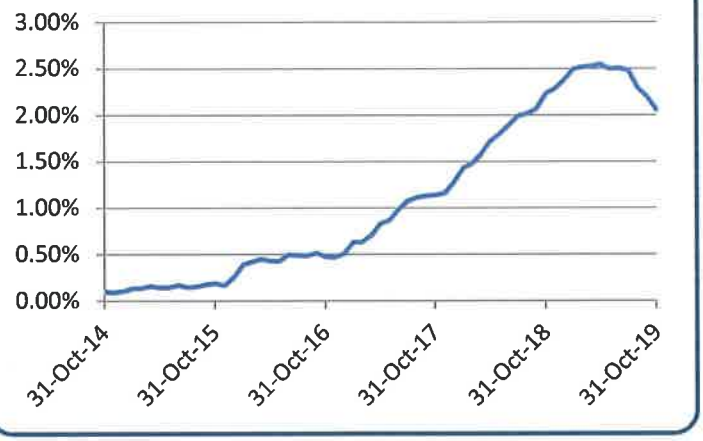
Average Weighted Yield	**1.998%**
Average Days to Maturity	**8**

	Maturity Date	Investment Instrument	Financial Institution	Call Provisions	Yield	Investment Date	Amount
1	15-Nov-19	FHLB	* Morgan Stanley	Bullet	1.36%	17-Nov-16	2,000,876
2	19-Dec-19	FFCB	* Piper Jaffray	Bullet	1.95%	22-Dec-17	743,423
3	30-Mar-20	FNMA	* TimeValue	Quarterly call beg. 3/30/17	1.50%	17-Nov-16	1,991,700
					TOTAL SECURITIES		4,735,999
	Daily	LGIP**		N/A	2.056%	Varied	39,296,556
					TOTAL INVESTMENTS		44,032,555
					CASH		2,612,092
					TOTAL CASH & INVESTMENTS		**$ 46,644,647**

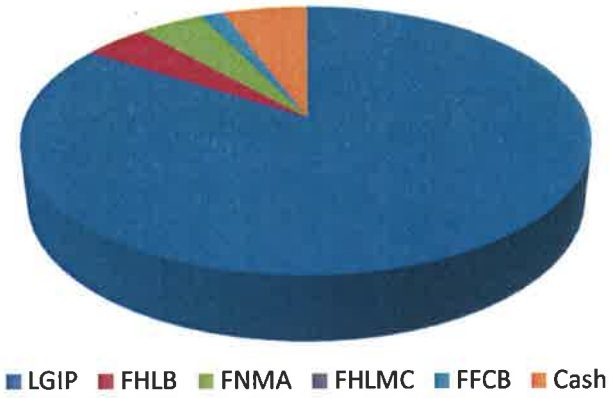
** Held in custody at Wells Fargo Bank*

*** Local Government Investment Pool*

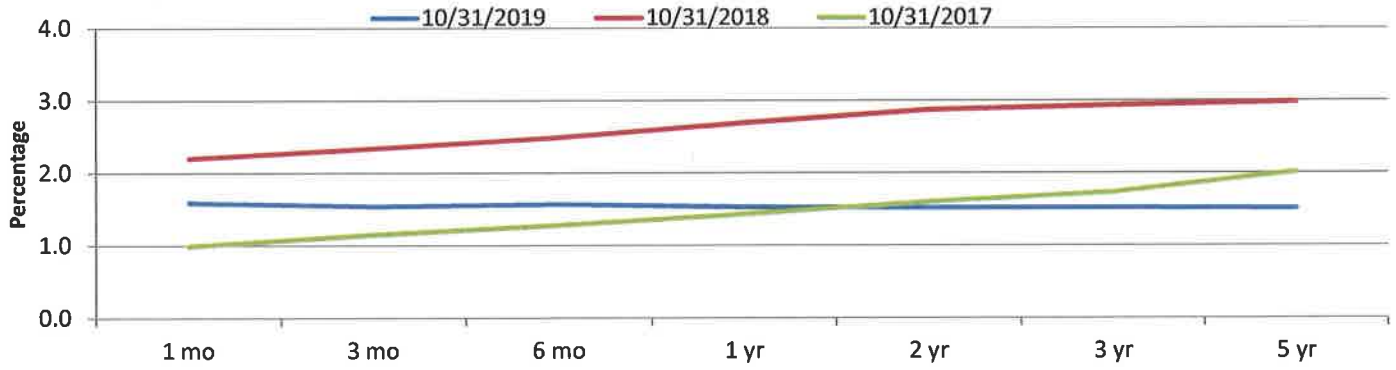
Historical LGIP Rate



Investment Portfolio



Daily Treasury Yield Curve

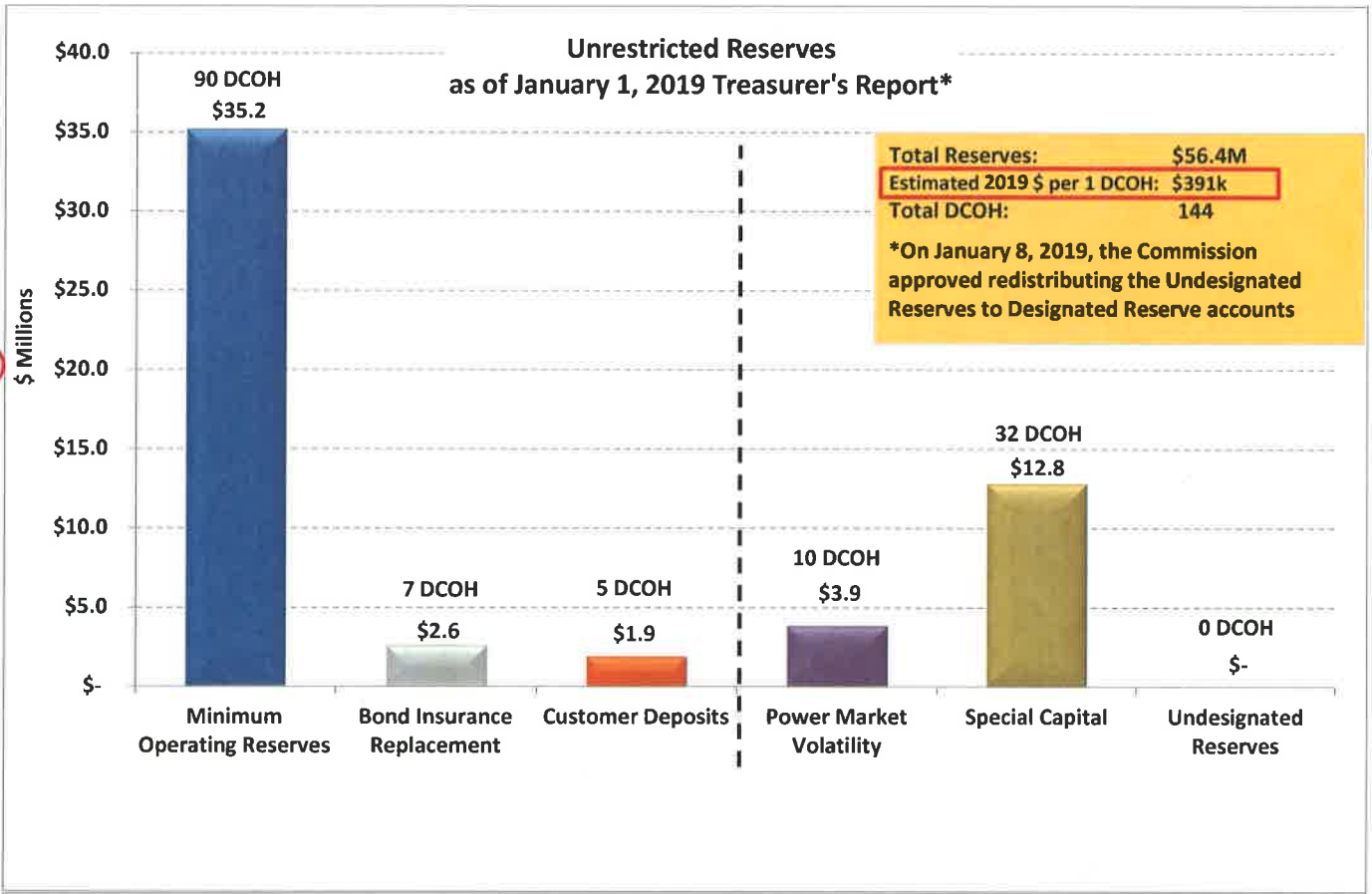


Source: http://www.ustreas.gov/offices/domestic-finance/debt-management/interest-rate/yield.shtml

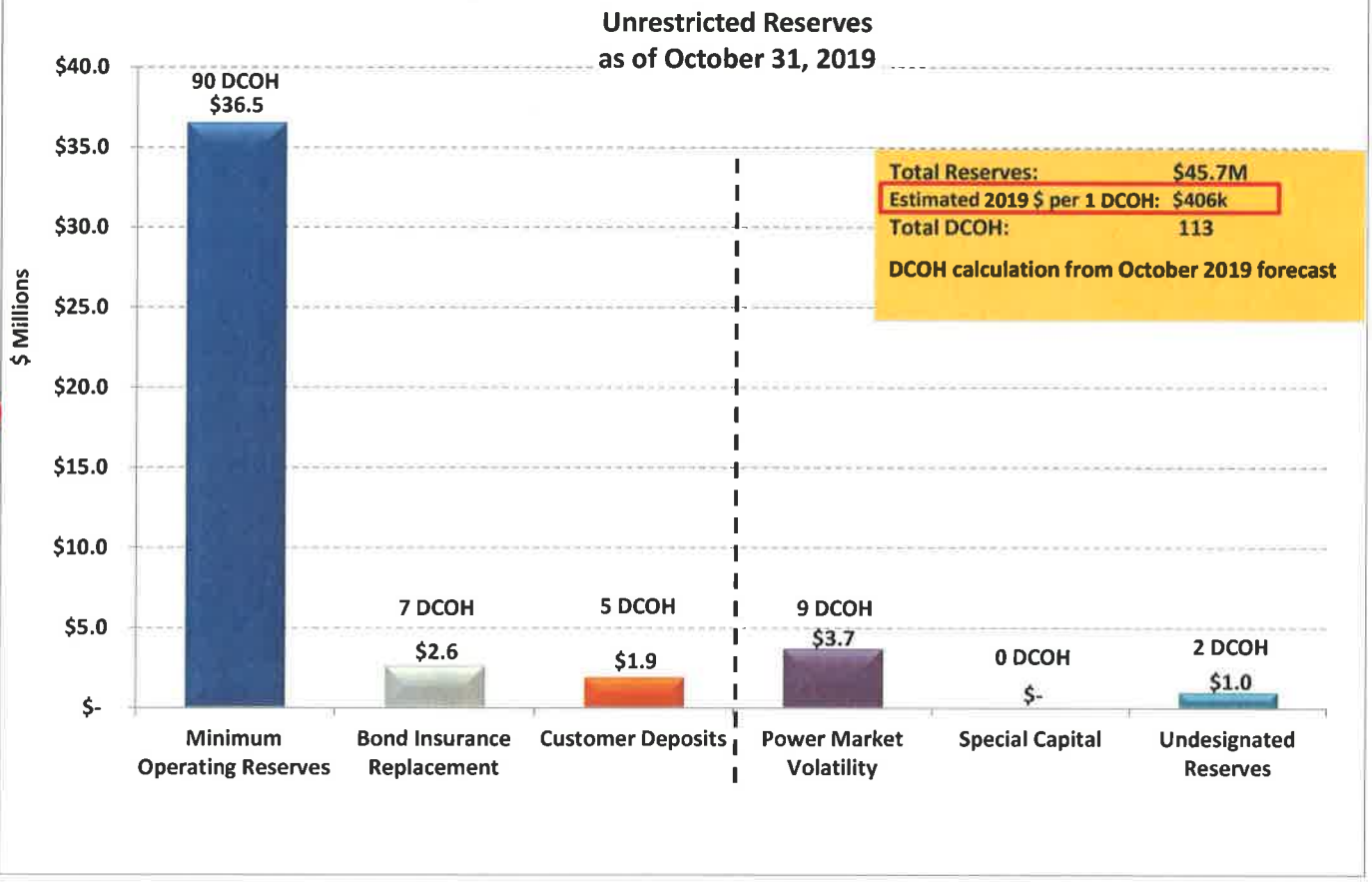
		2019			2020											2021											
		O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
2,000,876	1-FHLB	1.36%																										
743,423	2-FFCB	1.95%																										
1,991,700	3-FNMA				1.50%																							

Unrestricted Reserves and Days Cash on Hand (DCOH)

#1



#2



PUBLIC UTILITY DISTRICT NO. 1
OF
BENTON COUNTY

Date: October 22, 2019
Time: 9:00 a.m.
Place: 2721 West 10th Avenue, Kennewick, Washington

Present:
Commissioners Hall, Sanders and Bush
General Manager Bartram
Assistant General Manager Hunter
Legal Counsel Hultgrenn
Senior Director of Engineering & Power Management Dunn
Director of Finance and Business Services Meyer
Director of Customer Programs & Services Ball
Director of IT & Broadband Services Folta
Senior Manager of Human Resources Conover
Manager of Communications and Governmental Relations Henderson
Manager of Conservation & Renewable Energy Programs Johnson
Manager of Contracts and Purchasing Ochweri
Manager of Customer Service McAloon
Manager of Power Contract & Analytics White
Manager of Risk Management & Treasury Mercer
Manager of Accounting Zirker
Superintendent of Support Services Schafer
Supervisor of Executive Administration Cole
Financial Specialist Willis

Guest: William Rimmer, Bonneville Power Administration; Kurt Miller, Northwest RiverPartners

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Safety Minute
Cindy Willis, financial specialist, gave a one minute for safety presentation on fall back safety.

Consent Agenda
Motion by Lori Sanders, seconded by Barry Bush to approve the Consent Agenda as follows:
a) Approving the minutes of the regular Commission Meeting of October 8, 2019.
b) Approving the Travel Report dated October 22, 2019.
c) Approving Vouchers audited and certified by the auditing officer as required by RCW 42.24.080, and those expense reimbursement claims certified as required by RCW 42.24.090, have been recorded on a listing made available to the Commission. As of this date, the Commission does approve the following for payment: Accounts Payable: Automated Clearing House (DD) payments 76748-76819 in the total amount of $1,365,542.44, Checks & Customer

Refund payments (CHK) 77807-77890 in the total amount of $393,874.16, Electronic Fund Transfer (WIRE) payments 5080-5090 in the total amount of $470,367.94; Residential Conservation Rebates: Credits on Customer Accounts in the total amount of $230.00; Payroll: Direct Deposit 10/03/19 76590-76747 in the total amount of $349,011.95, for a grand total of $2,579,026.49. In addition to voids from normal operations, on October 7, 2019, outstanding checks from July 2017 to June 2018 totaling $6,725.45 were voided and included on the report.

d) Authorizing the General Manager, on behalf of the District, to sign Contract Completion and Acceptance for Joint Use – NESC Compliance and Cable Replacement Construction Projects (1st and 2nd Years) by DJ's Electrical, Inc., Contract No. 17-07, (CPO No. 52877), in the amount of $5,435,209.00, including tax.

MOTION CARRIED UNANIMOUSLY.

Report from Management

William Rimmer, Bonneville Power Administration (BPA) District Account Executive, stated he would be absent from future commission meetings because he has been mobilized by the United States Navy. The Commission and General Manager wished him well.

Assistant General Manager/Superintendent of Support Services

1. The Commission was updated on the water damage that has occurred in the Administration building while the roof was being replaced; mitigation is being taken by District staff and the contractor. A restoration company has also been called to assess the situation and assist with clean-up.

Senior Director of Engineering and Power Management:

1. The Commission was updated on BPA's engagement in various communities for the purpose of discussing economic development. Senior Director reported his past participation in a Public Power Council (PPC) panel discussion that included BPA's Vice President of Transmission Planning, to discuss BPA's business processes when making transmission system interconnection requests and possible ways to move projects forward in a timelier manner. BPA met with Tri-City Area Utilities this past spring and have scheduled another meeting on October 23rd at Franklin PUD.
2. An update was provided on two Benton PUD line/load interconnection requests that will improve transmission service in the Red Mountain area and to farm customers in south Benton County through the addition of a new point of delivery at McNary substation. Senior Director indicated staff had originally budgeted over one million dollars for District contributions to the projects, but that BPA had recently determined there will be no direct costs to Benton PUD.
3. Commissioner Barry Bush expressed his concerns with wind development on the east side of the state and asked if the District should engage Benton County in discussions regarding potential impacts of proposed renewable energy development in our area along with the serious concerns regarding resource adequacy in the pacific northwest power grid. Senior

Director further discussed two proposed wind power projects in Benton County currently requesting interconnection with BPA including one at the Red Mountain substation. Senior Director identified the Department of Natural Resources (DNR) and the Kennewick Irrigation District (KID) as potentially impacted underlying property owners and how the 115-kV transmission line interconnection request made by Scout Clean Energy with BPA may impact Benton PUD's plans to construct a new 115-kV transmission line from our Sunset-Road substation to a future Dallas road substation (planned by Richland Energy Services).

4. General Manager asked for Commission direction relating to Commissioner Bush's comments on wind development. After discussion, the Commission directed the General Manager to prepare a draft resolution with the intent of educating the public on resource adequacy, for further discussion and possible action at the next commission meeting.

Director of Finance:

1. Director informed the Commission that the District is preparing to administer new pole contact rates, with a formula approved by the courts at the conclusion of the litigation concerning pole contact formulas with Pacific PUD. The proposed rates will be brought to the upcoming commission meeting to review for future consideration.

Director of Customer Programs and Services:

1. Director held a discussion about irrigation customers on General Service and Small Irrigation rate schedules who are stopping service during the off season to avoid paying the daily system charge year-round. The number of customers following this practice is leading to some inefficiencies as well as equity issues between customers within the same rate class. At the conclusion of the discussion, the Commission directed staff to conduct further analysis of the issues related to this practice. Staff will provide the Commission with additional information at an upcoming meeting.

Manager of Customer Service:

1. The District is preparing communications for customers to introduce them to Round Up, the replacement to the District's existing helping hands program.

Manager of Communications and Governmental Relations:

1. Manager reviewed recent community outreach and education events. A flyer was distributed for Senior Day. This year's presentations include one on weatherization programs at the District and the Columbia Basin Veterans Stand Down, which the District is also participating in this year. An article on breaching the Columbia River dams was distributed.

At 10:10 a.m., Commission President Jeff Hall announced that the commission meeting would recess for 10 minutes.

At 10:20 a.m., Commission President Jeff Hall reconvened the commission meeting into regular open public session.

Northwest River Partners Update
Mr. Kurt Miller of Northwest RiverPartners gave a presentation on the work of Northwest RiverPartners, including their education and outreach efforts, as well as a high-level summary of the most recent Northwest Attitudes survey conducted in 2019.

2020-21 Conservation Budget Plan
Manager of Conservation and Renewable Energy Programs distributed a document and reviewed low income weatherization programs being offered. The Conservation Budget Plan provides background, highlights key data assumptions, and offers conclusion on how the District plans to acquire conservation savings during 2020-21.

Motion by Barry Bush, seconded by Lori Sanders approving the 2020-2021 Conservation Budget Plan as presented today.
MOTION CARRIED UNANIMOUSLY.

Initial Draft – 2020-2021 Strategic Plan
Assistant General Manager reviewed the initial draft of the 2020-2021 Strategic Plan and asked for any commissioner comments to be received by November 12, 2019. The final Plan will be brought to the November 26, 2019 commission meeting for approval.

Financial Forecast Update and 2020 Preliminary Budget Information
Director of Finance distributed the preliminary budget that will be reviewed at the Public Hearing on November 6, 2019 at 5:30 p.m. Manager of Risk Management and Treasury discussed overtime, AMI and labor as shown in the preliminary budget.

Director of Finance gave a financial forecast update and a brief discussion was held.

September 2019 Financial Statements
Manager of Accounting reviewed the September 2019 financial statements.

Hearing no objection, President Jeff Hall adjourned the Commission Meeting at 11:53 a.m.

_____
Jeffrey D. Hall, President

ATTEST:

_____
Barry A. Bush, Secretary

Periodic Travel Report - November 12, 2019

Date Start	Business Days	Name	City	Purpose
10/28/2019	2	Berven, Dax	Minneapolis, MN	BENTON CITY SUB METALCLAD WITNESS TESTING
10/31/2019	1	Mercer, Keith	Seattle, WA	PURMS SEMI-ANNUAL OPERATIONS COMMITTEE MEETING
11/6/2019	1	Mercer, Keith	Seattle, WA	PURMS EXECUTIVE COMMITTEE MEETING
11/12/2019	4	Lei, Vera	Las Vegas, NV	TABLEAU CONFERENCE 2019
11/12/2019	4	Zones, Austin	Las Vegas, NV	TABLEAU CONFERENCE 2019
11/12/2019	4	McMahon, Greg	Las Vegas, NV	TABLEAU CONFERENCE 2019
11/13/2019	1	Folta, Chris	Portland, OR	NOANET BOARD MEETING
11/13/2019	3	Meyer, Jon	Portland, OR	NWPPA RATES GROUP MEETING / PPC ANNUAL MEMBER MEETING / PNUCC ANNUAL MEETING
12/2/2019	2	Demory, Kristen	Portland, OR	UAI DAY OF ANALYTICS ROADSHOW 2019
12/3/2019	2	Johnson, Chris	Portland, OR	POWER COUNCIL CONSERVATION RESOURCE ADVISORY COMMITTEE MEETING (CRAC)

PAYMENT APPROVAL
November 12, 2019

The vouchers presented on this Payment Approval Report for approval by the Board of Commissioners have been audited and certified by the auditing officer as required by RCW 42.24.080, and those expense reimbursement claims by officers and employees have been certified as required by RCW 42.24.090.

Type of Payment	Starting #		Ending #	Page #	Amount
Accounts Payable:					
Automated Clearing House (DD) Payments	76980 77213	- -	77055 77251	1 - 9 9 - 15	$ 796,650.00
Checks & Customer Refund Payments (CHK)	77891	-	78040	16 - 25	$ 424,101.94
Electronic Fund Transfer (WIRE) Payments	5093	-	5120	26-28	$ 8,489,345.96
Residential Conservation Rebates:					
Credits on Customer Accounts				29	$ 200.00
Purchase Card Detail:	September 2019			30 - 34	
Payroll:					
Direct Deposit - 10/17/19 Direct Deposit - 10/31/19	76820 77056	- -	76979 77212		$ 360,345.22 $ 367,520.87
TOTAL					**$ 10,438,163.99**
Void DD					$ -
Void Checks	19-Oct			16	$ 1,006.78
Void Wires					

I, the undersigned Auditor of Public Utility District No. 1 of Benton County, do hereby certify under penalty of perjury that the materials have been furnished, the services rendered, or the labor performed as described, or that any advance payment is due and payable pursuant to a contract or is available as an option for full or partial fulfillment of a contractual obligation, and that the claims identified in this report are just, due and unpaid obligations against the District and that I am authorized to authenticate and certify to said claims.

Jon L. Meyer, Auditor — *Date* 11/5/19

Reviewed by:

Chad B. Bartram, General Manager

Approved by:

Jeffrey D. Hall, President

Lori Kays-Sanders, Vice-President

Barry A. Bush, Secretary

Accounts Payable
Check Register

10/14/2019 To 11/03/2019

Bank Account: 1 - Benton PUD ACH/Wire

Check / Tran	Date	Pmt Type	Vendor	Vendor Name	Reference		Amount
76980	10/16/2019	DD	1736	A W REHN & ASSOCIATES,INC.	Flex Spending Dependent Care		977.57
					Flex Spending Health Care		2,006.48
						Total for Check/Tran - 76980:	2,984.05
76981	10/16/2019	DD	963	ANIXTER INC.	Eye, Auxiliary, Hubbell#BB155A		249.78
					Deadbreak Junction 4-way 600 A		7,200.18
					Fuse T-Type, Kearney #51006		195.48
					Fuse T-Type, Kearney #51008		195.48
					Fuse T-Type, Kearney #51010		203.63
					BUSH INSUL STAND OFF/CONN CABLE JUNC		7,514.90
					Protective Cap 600 amp Elastim/Connector		3,534.94
						Total for Check/Tran - 76981:	19,094.39
76982	10/16/2019	DD	811	AUS WEST LOCKBOX	Weekly svc		44.24
					weekly svc		40.61
					weekly svc		30.52
					weekly svc		51.67
					weekly svc		21.94
						Total for Check/Tran - 76982:	188.98
76983	10/16/2019	DD	34	BENTON PUD-ADVANCE TRAVEL	Governor Industrial Safety & Health Conf		24.00
					Governor Industrial Safety & Health Conf		298.37
					NIGP Practical Specifications Writing		230.36
					AVO Substation Maintenance Training 1		591.01
					APPA Fall Institute		465.50
					Survalent Global User Conf		318.25
					Survalent Global User Conf		318.25
						Total for Check/Tran - 76983:	2,245.74
76984	10/16/2019	DD	613	CAMPBELL & COMPANY	REEP		500.00
					REEP		500.00
					REEP		500.00
						Total for Check/Tran - 76984:	1,500.00

Accounts Payable
Check Register

10/14/2019 To 11/03/2019

Bank Account: 1 - Benton PUD ACH/Wire

Check / Tran	Date	Pmt Type	Vendor	Vendor Name	Reference		Amount
76985	10/16/2019	DD	2985	CHINOOK HEATING & AIR, INC.	REEP		1,100.00
76986	10/16/2019	DD	10150	ANNETTE COBB	APPA Fall Institute		56.00
76987	10/16/2019	DD	2972	COMPUNET, INC.	Umbrella Cloud Security Subscription		-469.49
					Umbrella Cloud Security Subscription		5,928.69
						Total for Check/Tran - 76987:	5,459.20
76988	10/16/2019	DD	57	CONSOLIDATED ELECTRICAL DISTRIB	CONDUIT PVC SCH 40 4 IN		8,566.00
76989	10/16/2019	DD	375	DAYCO HEATING & AIR	REEP		500.00
					REEP		1,100.00
					REEP		1,100.00
					REEP		800.00
					REEP		500.00
					REEP		1,100.00
						Total for Check/Tran - 76989:	5,100.00
76990	10/16/2019	DD	2990	KAREN DUNLAP	Labor & Emp Relations Grp Mtg		1,141.53
76991	10/16/2019	DD	2757	RICK DUNN	PPC/PNUCC/NWPPA RA Symposium		1,082.46
76992	10/16/2019	DD	865	CHRISTOPHER J FOLTA	NoaNet		9.00
76993	10/16/2019	DD	10420	HEALTH INVEST HRA TRUST	HIRA Trust - ER		980.77
76994	10/16/2019	DD	3171	JODI HENDERSON	NW Power Pool/PPC		729.72
76995	10/16/2019	DD	724	HERITAGE PROFESSIONAL LANDSCAPI	Landscaping Svc		1,597.51
					Landscaping Svc		270.40
					Landscaping Svc		290.08
					Landscaping Svc		377.10
					Landscaping Svc		979.02
					Landscaping Svc		320.12
					Landscaping Svc		928.26
					Landscaping Svc		415.44
						Total for Check/Tran - 76995:	5,177.93

Accounts Payable
Check Register

10/14/2019 To 11/03/2019

Bank Account: 1 - Benton PUD ACH/Wire

Check / Tran	Date	Pmt Type	Vendor	Vendor Name	Reference		Amount
76996	10/16/2019	DD	1632	INTERCONTINENTAL EXCHANGE, INC.	E-Confirm Charges		96.00
					Vault Charge 09/19		375.00
						Total for Check/Tran - 76996:	471.00
76997	10/16/2019	DD	10175	K&L GATES, LLP	REC Purchase - Renewable Pwr Strategies		1,469.70
76998	10/16/2019	DD	919	NOANET	Clodfelter Wireless Outage		656.07
76999	10/16/2019	DD	919	NOANET	LOC Draw Notice		85,256.41
77000	10/16/2019	DD	1241	PARAMOUNT COMMUNICATIONS, INC.	Thai Elephant		526.71
					Thai Elephant		6,529.03
						Total for Check/Tran - 77000:	7,055.74
77001	10/16/2019	DD	396	SD MYERS, INC.	Testing		141.00
77002	10/16/2019	DD	2154	SENSUS USA, INC.	Web Hosting/data storage		541.67
77003	10/16/2019	DD	2777	JOHN THARP	Survalent Global User Conf		1,084.55
77004	10/16/2019	DD	2057	THE PRINT GUYS LLC	Payment options card		48.87
					Help With Your Bill Brochure		122.18
					Pay As You Go card		48.87
					Presentation Folders		781.92
						Total for Check/Tran - 77004:	1,001.84
77005	10/16/2019	DD	10047	TRAFFIC MANAGEMENT, INC.	traffic control		1,316.00
77006	10/16/2019	DD	1163	TYNDALE ENTERPRISES, INC.	Faircloth/Hartzell/Osterhout/B Seger		1,212.59
					Clothing - Snell		197.60
						Total for Check/Tran - 77006:	1,410.19
77007	10/16/2019	DD	1048	UNITED WAY OF BENTON & FRANKLIN	EE United Way Contribution		793.70
77008	10/16/2019	DD	4168	WALKER & ASSOCIATES INC.	FSP 150CC-GE-112 with Integrat		19,889.00
77009	10/16/2019	DD	182	WESCO DISTRIBUTION	FAULT INDICATOR		9,767.16
					BRKTS TRANS 3-50 KVA		3,008.22
					CU 1/0 STR DB 600V		1,895.07

10/14/2019 To 11/03/2019

Bank Account: 1 - Benton PUD ACH/Wire

Check / Tran	Date	Pmt Type	Vendor	Vendor Name	Reference		Amount
					Credit - Invoice #981320		-1,895.07
						Total for Check/Tran - 77009:	12,775.38
77010	10/23/2019	DD	2872	A W REHN & ASSOC	FSA/Dep Care Admin Fees		171.00
77011	10/23/2019	DD	475	ABM JANITORIAL SERVICES	Janitorial svc		3,526.71
					Janitorial svc		4,276.61
					Janitorial svc		1,294.87
						Total for Check/Tran - 77011:	9,098.19
77012	10/23/2019	DD	963	ANIXTER INC.	Eye, Auxiliary, Hubbell#BB155A		374.67
					Connector sleeve, Anderson #VH		744.71
					Cap Protective Insulating, Co/CONN CABLE		2,986.61
					Conn elbow,1/0 LB,175mil,15 KV		4,561.20
					CONN CABLE JUNC 4 WAY		2,599.88
					ANC ROD TWIN EYE 3/4 X 8		477.84
					DE AUTO 12.5M XLONG BAIL		1,170.17
					DE GUY PREFORM 6M		223.72
					GUY ATTACHMENT COMBINATIN		614.46
					SLEEVE THINWALL CU 750MCM		265.46
						Total for Check/Tran - 77012:	14,018.72
77013	10/23/2019	DD	811	AUS WEST LOCKBOX	weekly svc		44.24
					weekly svc		40.61
					weekly svc		30.52
					weekly svc		36.72
						Total for Check/Tran - 77013:	152.09
77014	10/23/2019	DD	34	BENTON PUD-ADVANCE TRAVEL	EW Superintendent Mtg		82.50
					NWPPA Staking Cert Course		545.24
						Total for Check/Tran - 77014:	627.74
77015	10/23/2019	DD	613	CAMPBELL & COMPANY	REEP		500.00
					REEP		1,100.00
					REEP		1,100.00

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10/14/2019 To 11/03/2019

Bank Account: 1 - Benton PUD ACH/Wire

Check / Tran	Date	Pmt Type	Vendor	Vendor Name	Reference		Amount
					REEP		1,100.00
					REEP		500.00
					REEP		1,100.00
					REEP		1,100.00
					REEP		1,100.00
					REEP		500.00
						Total for Check/Tran - 77015:	8,100.00
77016	10/23/2019	DD	3347	CANON BUSINESS SOLUTIONS, INC.	monthly billing		130.58
					monthly billing		115.81
					monthly billing		989.94
					monthly billing		380.58
						Total for Check/Tran - 77016:	1,616.91
77017	10/23/2019	DD	2985	CHINOOK HEATING & AIR, INC.	REEP		1,100.00
77018	10/23/2019	DD	2680	CO-ENERGY	Gasoline Svc		601.80
					Gasoline Svc		1,307.49
						Total for Check/Tran - 77018:	1,909.29
77019	10/23/2019	DD	2972	COMPUNET, INC.	Software maintenance		733.06
77020	10/23/2019	DD	57	CONSOLIDATED ELECTRICAL DISTRIB	CU 4&0 SDB 19 STR		4,756.68
					Pulling Lube, 1 quart, Polywat		495.22
					Glue,717 clear, Gallons #10141		4,281.01
					Glue,717 clear, Quarts, #10144		1,324.57
						Total for Check/Tran - 77020:	10,857.48
77021	10/23/2019	DD	3167	COOPERATIVE RESPONSE CENTER, INC	multispeak/ulser license/call center		10,267.46
77022	10/23/2019	DD	10512	DENYS COTERO	Testing - Sylvan Kennewick		33.29
77023	10/23/2019	DD	858	ANTHONY J DARLING	Red Hat System Administration II		327.78
77024	10/23/2019	DD	375	DAYCO HEATING & AIR	REEP		500.00
					REEP		500.00
					REEP		500.00

10/14/2019 To 11/03/2019

Bank Account: 1 - Benton PUD ACH/Wire

Check / Tran	Date	Pmt Type	Vendor	Vendor Name	Reference		Amount
						Total for Check/Tran - 77024:	1,500.00
77025	10/23/2019	DD	226	DOBLE ENGINEERING CO	Doble training - on site		1,611.66
77026	10/23/2019	DD	10431	DANIELLE DRAKE	WPUDA Records Roundtable		231.02
					WAPRO Fall Conf		173.98
						Total for Check/Tran - 77026:	405.00
77027	10/23/2019	DD	75	FRANKLIN PUD	CWPU Membership Assessment		213.51
77028	10/23/2019	DD	3522	FS.COM, INC.	Transceivers - Premise Electronics - COK		102.17
					Transceivers - Premise Electronics - COK		-8.09
					Transceivers - Premise Electronics - COK		1,700.72
					Transceivers - Premise Electronics - COK		-134.68
						Total for Check/Tran - 77028:	1,660.12
77029	10/23/2019	DD	79	GENERAL PACIFIC, INC.	Nut, 1/2 "- 13, Hex, Bronze, D		715.67
					Washers, 1/2" flat round domes		603.82
					MOUNTING BRKT FIBRGLS 24'		1,875.52
						Total for Check/Tran - 77029:	3,195.01
77030	10/23/2019	DD	3969	GPS INSIGHT, LLC	Vehicle Monitoring Svc		2,036.58
77031	10/23/2019	DD	2798	JESSIE GRAD	Tax Overpayment Reimbursement		117.50
77032	10/23/2019	DD	2087	H2 PRECAST, INC.	Material		12,760.50
77033	10/23/2019	DD	10420	HEALTH INVEST HRA TRUST	Monthly fee - Jul,Aug, Sept		47.62
77034	10/23/2019	DD	3258	HYAS GROUP, LLC	Q3-19 Retirement Plan Consulting Svc		5,750.00
77035	10/23/2019	DD	214	JACOBS & RHODES	REEP		500.00
					REEP		500.00
					REEP		800.00
						Total for Check/Tran - 77035:	1,800.00
77036	10/23/2019	DD	103	KENNEWICK, CITY OF	monthly billing		371.50
					monthly billing		286.91
					monthly biling		500.91

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10/14/2019 To 11/03/2019

Bank Account: 1 - Benton PUD ACH/Wire

Check / Tran	Date	Pmt Type	Vendor	Vendor Name	Reference		Amount
					monthly billing		182.47
						Total for Check/Tran - 77036:	1,341.79
77037	10/23/2019	DD	3180	SHAWNEE LANPHEAR	Meter Apprentice - NW Tech Training		157.76
77038	10/23/2019	DD	10055	LOGMEIN USA, INC.	Web Conferencing Svc		-0.65
					Web Conferencing Svc		518.08
						Total for Check/Tran - 77038:	517.43
77039	10/23/2019	DD	3644	LOOMIS	Safepoint Svc		593.44
					Safepoint Svc		626.47
						Total for Check/Tran - 77039:	1,219.91
77040	10/23/2019	DD	2586	NETWORK COMPUTING ARCHITECTS I	Software Maintenance		6,030.95
77041	10/23/2019	DD	3821	NISC	Software license/IVU Smarthub		7,990.44
					Software license/IVU Smarthub		2,367.53
					Software license/IVU Smarthub		3,551.30
					Software license/IVU Smarthub		15,684.92
						Total for Check/Tran - 77041:	29,594.19
77042	10/23/2019	DD	919	NOANET	Kennewick Verizon		1,460.00
					Franklin POP		481.00
					Broadband Billing		14,246.08
					Broadband Billing		56,984.32
					Outage - Alexnader the Grape		4,211.09
						Total for Check/Tran - 77042:	77,382.49
77043	10/23/2019	DD	3162	ONLINE INFORMATION SERVICES, INC.	Online Utility Exchange		-119.60
					Online Utility Exchange		1,510.30
						Total for Check/Tran - 77043:	1,390.70
77044	10/23/2019	DD	585	PARADISE BOTTLED WATER CO.	monthly billing		1,495.27
77045	10/23/2019	DD	396	SD MYERS, INC.	Testing		11,553.00
77046	10/23/2019	DD	2154	SENSUS USA, INC.	monitoringssvc/professional svc		4,949.39

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10/14/2019 To 11/03/2019

Bank Account: 1 - Benton PUD ACH/Wire

Check / Tran	Date	Pmt Type	Vendor	Vendor Name	Reference		Amount
					monitoringssvc/professional svc		7,432.10
					monitoringssvc/professional svc		3,661.56
						Total for Check/Tran - 77046:	16,043.05
77047	10/23/2019	DD	3226	SHI INTERNATIONAL CORP	Software/maintenance		8,553.04
77048	10/23/2019	DD	10028	SYMETRA LIFE INSURANCE COMPANY	Non Barg Basic AD&D		181.83
					Non Barg Basic Dep Life		109.62
					Non Barg Basic Life		1,151.59
					Self Insured STD		385.05
					Basic LIfe AD&D		388.75
					Supplemental LIfe - EE		3,458.80
					Supplemental LIfe -Child		59.40
					Supplemental LIfe -Spouse		884.00
					Supplemental LIfe AD&D - Child		5.10
					Supplemental LIfe AD&D - EE		339.30
					Supplemental LIfe AD&D - Spouse		202.95
					Basic LIfe		1,256.54
					LTD Core Buy-Up		960.00
					LTD Core No Buy-Up		3,172.46
					LTD 88		12.78
						Total for Check/Tran - 77048:	12,568.17
77049	10/23/2019	DD	3441	TRAVIS PATTERN & FOUNDRY INC.	1"-3" IPS tube to 2 hole pad		224.31
					1"-3" IPS tube to 2 hole pad, 90 degree		223.82
					2" IPS to 2 hole NEMA B pad		139.44
					2-hole paddle, #1/0 stranded copper		689.18
					2000A straight expansion bend		1,115.05
					3" Bus Support, 3 inch mounting circle		254.78
					3" IPS to 4 hole NEMA D pad		290.94
					3" IPS tube to 4 hole pad		217.31
					3" expansion coupler support, 5" BC		789.58
					540A, 90 degree expansion bend		429.57

Accounts Payable
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10/14/2019 To 11/03/2019

Bank Account: 1 - Benton PUD ACH/Wire

Check / Tran	Date	Pmt Type	Vendor	Vendor Name	Reference		Amount
					Welded connector, AL 3" IPS end plug		53.92
					Welding for Benton City Substation		670.00
						Total for Check/Tran - 77049:	5,097.90
77050	10/23/2019	DD	1163	TYNDALE ENTERPRISES, INC.	Clothing - Hartzell		262.60
					Clothing - Sunford		144.66
						Total for Check/Tran - 77050:	407.26
77051	10/23/2019	DD	10154	US PAYMENTS, LLC	Kiosk Processing/Transactions		229.33
					Kiosk Processing/Transactions		1,440.00
						Total for Check/Tran - 77051:	1,669.33
77052	10/23/2019	DD	272	UTILITIES UNDERGROUND LOCATION	Excavation svc		812.70
77053	10/23/2019	DD	4235	WATER STREET PUBLIC AFFAIRS, LLC	Lobbying		5,440.60
77054	10/23/2019	DD	182	WESCO DISTRIBUTION	Conn, LV, CMC#NSM500-6SLIU 1" for 100kva		20.98
					Yellow Caution Tape Cordova #T15101		97.74
					Material		582.75
					FGO CU 4 SOL GC 5004		1,319.49
					SPLICE STRGT #2 175 MIL		889.43
					CUTOUT, 15 KV		3,381.02
						Total for Check/Tran - 77054:	6,291.41
77055	10/23/2019	DD	3415	KEVIN K WHITE	PGP Strategic Planning		381.32
					JSOC		44.08
						Total for Check/Tran - 77055:	425.40
77213	10/30/2019	DD	1736	A W REHN & ASSOCIATES,INC.	Flex Spending Dependent Care		977.57
					Flex Spending Health Care		2,006.48
						Total for Check/Tran - 77213:	2,984.05
77214	10/30/2019	DD	963	ANIXTER INC.	CU 4 MHDB 7 STR		3,414.38
					Connector sleeve, Anderson #VH		880.12
					Alum 350 STR DB Triplex, Wesle		17,315.18
					FGO CU 6 SOL GC 5006		524.00

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Bank Account: 1 - Benton PUD ACH/Wire

Check / Tran	Date	Pmt Type	Vendor	Vendor Name	Reference		Amount
					FGO CU 8 SOL GC 5008		806.36
						Total for Check/Tran - 77214:	22,940.04
77215	10/30/2019	DD	10496	ARNETT INDUSTRIES, LLC	Blanket Orange		134.78
					Blanket Testing		65.35
					Dielectric		1,369.33
					Glove 9.5		384.18
					Glove Acceptance Test		168.99
					Glove Sz 10		470.62
					Glove Sz 9		201.70
					Glove X 9.6 yel/blk		155.71
					New Blanket Testing		10.89
					Odd Blanket		174.28
					RB Sz 10		589.00
					RB Sz 11		196.33
					Test Glove Testing		985.76
						Total for Check/Tran - 77215:	4,906.92
77216	10/30/2019	DD	811	AUS WEST LOCKBOX	weekly svc		44.24
					weekly svc		40.61
					weekly svc		30.52
					Weekly svc		36.72
					weekly svc		21.94
						Total for Check/Tran - 77216:	174.03
77217	10/30/2019	DD	34	BENTON PUD-ADVANCE TRAVEL	ISM Purchasing Conf		306.57
					ISM Purchasing Conf		241.73
					NISC E&O Support Roadshow		137.50
					NISC E&O Support Roadshow		13.75
					NISC E&O Support Roadshow		391.05
					EW Superintendent Mtg		82.50
						Total for Check/Tran - 77217:	1,173.10

Accounts Payable
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10/14/2019 To 11/03/2019

Bank Account: 1 - Benton PUD ACH/Wire

Check / Tran	Date	Pmt Type	Vendor	Vendor Name	Reference		Amount
77218	10/30/2019	DD	613	CAMPBELL & COMPANY	REEP		500.00
					REEP		1,100.00
						Total for Check/Tran - 77218:	1,600.00
77219	10/30/2019	DD	2985	CHINOOK HEATING & AIR, INC.	REEP		500.00
77220	10/30/2019	DD	3750	CLIFF THORN CONSTRUCTION, LLC	repairs to wall/locker room ceiling		1,140.30
77221	10/30/2019	DD	57	CONSOLIDATED ELECTRICAL DISTRIB	TY-Rap #Ty 29 MX		1,076.44
					TY-Rap #Ty 524 MX		312.77
					TY-Rap #Ty 527 MX		583.18
					CLAMPS CINCH 2 IN		165.03
					CLAMPS CINCH 4 IN		114.90
					BEND 90 PVC SCH 40 6 IN		258.36
						Total for Check/Tran - 77221:	2,510.68
77222	10/30/2019	DD	3742	EMPLOYMENT SCREENING SERVICES, I	Screening Svc		166.00
77223	10/30/2019	DD	75	FRANKLIN PUD	Fiber Lease		1,290.00
77224	10/30/2019	DD	3130	GDS ASSOCIATES, INC.	PSA		322.50
77225	10/30/2019	DD	79	GENERAL PACIFIC, INC.	Washers, 1/2" Belleville,Domes		4,309.25
					Standoff bracket #W1010-24-HDG		109.34
					Material		2,484.77
					BOLTS OE 5/8 X 16		116.64
					Elbow Connector, Elastimold #		1,220.01
					Vice Top Insulator, Poly		1,623.27
					1/0 ACSR SP B SPL1355P		281.27
					DE AUTO 6M XLONG BAIL		974.14
						Total for Check/Tran - 77225:	11,118.69
77226	10/30/2019	DD	3773	GENUINE CABLE GROUP	Fiber		96,041.06
77227	10/30/2019	DD	1134	GORDON THOMAS HONEYWELL LLP	Professioal Svc		276.50
77228	10/30/2019	DD	2087	H2 PRECAST, INC.	Box/Base/Cover		10,860.00

Accounts Payable
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10/14/2019 To 11/03/2019

Bank Account: 1 - Benton PUD ACH/Wire

Check / Tran	Date	Pmt Type	Vendor	Vendor Name	Reference		Amount
77229	10/30/2019	DD	1624	JEFFREY HALL	NoaNet		360.30
77230	10/30/2019	DD	10420	HEALTH INVEST HRA TRUST	HIRA Trust - ER		980.77
77231	10/30/2019	DD	10151	IKEGPS, INC.	Subscription Renewal		-488.57
					IKE GPS Subscription		2,053.08
					IKE Software Subscription		4,116.49
						Total for Check/Tran - 77231:	5,681.00
77232	10/30/2019	DD	214	JACOBS & RHODES	REEP		500.00
77233	10/30/2019	DD	877	CHRISTOPHER JOHNSON	WCWI 2020 Budget Mtg		531.22
77234	10/30/2019	DD	10546	LYNSIE KENNEDY	Biometric Screening - Kenn		43.04
77235	10/30/2019	DD	2642	GAYLE KNIGHT	Cust Svc Mtg - Kenn		4.35
77236	10/30/2019	DD	2098	MARIETTA KOSTENKO	NISC E&O Support Roadshow		371.80
77237	10/30/2019	DD	2027	KUFFEL, HULTGRENN, KLASHKE AND	Professional Svc		3,526.28
77238	10/30/2019	DD	10057	TERRY MAPES	Strategic Energy Mgmt Workshop		574.81
77239	10/30/2019	DD	2691	GREGORY MCMAHON	Utility Analytics Week		1,633.81
77240	10/30/2019	DD	3821	NISC	envelopes/forms/postage/print svcs		18,531.86
					postage/on-line banking		440.97
					postage/on-line banking		340.36
						Total for Check/Tran - 77240:	19,313.19
77241	10/30/2019	DD	1241	PARAMOUNT COMMUNICATIONS, INC.	S Jole Financial		873.14
					Wheatland Insurance		81.45
					Wheatland Insurance		1,893.66
					Umpqua Bank		504.99
					Umpqua Bank		6,973.42
					HB Painters		3,261.58
					Pole Attachment Violations		374.67
					Pole Attachment Violations		4,441.74
						Total for Check/Tran - 77241:	18,404.65

Accounts Payable
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10/14/2019 To 11/03/2019

Bank Account: 1 - Benton PUD ACH/Wire

Check / Tran	Date	Pmt Type	Vendor	Vendor Name	Reference		Amount
77242	10/30/2019	DD	1125	BLAKE SCHERER	Utility Analytics Conf		936.97
77243	10/30/2019	DD	1482	SILVERBOW ROOFING, INC.	Admin roof tile removal		57,622.21
77244	10/30/2019	DD	945	SURVALENT TECHNOLOGY INC.	Survalent PI API		10,860.00
					software download - Network Data Access		-860.00
						Total for Check/Tran - 77244:	10,000.00
77245	10/30/2019	DD	2777	JOHN THARP	NISC E&O Support Roadshow		253.55
77246	10/30/2019	DD	10047	TRAFFIC MANAGEMENT, INC.	Traffic control		904.00
77247	10/30/2019	DD	1163	TYNDALE ENTERPRISES, INC.	Clothing - Patrick		62.77
					Clothing - Price		188.10
					Clothing - Szendre/Tietsort		180.87
					Clothing - Davis/Price		625.85
						Total for Check/Tran - 77247:	1,057.59
77248	10/30/2019	DD	1048	UNITED WAY OF BENTON & FRANKLIN	EE United Way Contribution		793.70
77249	10/30/2019	DD	3098	US BANK CORPORATE PAYMENT SYST	Sidwell - Misc - WA Safety & Health Conf		8.91
					Dunn - Airfare - PGP Mtg		316.59
					Dunn - Rental Car - JSOC Mtg		49.86
					White - Airfare - JSOC		351.60
					White - Rental Car - CETA Rulemaking Mtg		49.86
					Scherer - Airfare - Tableau Conf		507.28
					Glines - Hotel - NWPPA Staking Cert		904.25
					Frost - Hotel - ICUEE		724.29
					Inman - Hotel - ICUEE		727.77
					Kair - Hotel - WA Safety & Health Conf		352.58
					Davis - Hotel - AVO Substation Maintenan		825.40
					Purdom - Hotel - WA Safety & Health Conf		352.58
					Schafer - Hotel - ICUEE		727.77
					Sparks - Airfare - APPA Cust Connection		923.00
					McAloon - Hotel - NISC MIC Conf		677.34

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10/14/2019 To 11/03/2019

Bank Account: 1 - Benton PUD ACH/Wire

Check / Tran	Date	Pmt Type	Vendor	Vendor Name	Reference		Amount
					Cobb - Hotel - APPA Fall Cust Svc Conf		1,235.30
					Cole - Airfare - WAPRO		351.60
					Cole - Airfare Credit - WAPRO		-316.60
					Drake - Airfare - WPUDA Records		351.60
					Conover - Hotel -WA Safety & Health Conf		352.58
					Sidwell - Hotel -WA Safety & Health Conf		352.58
					Sidwell -Parking-WA Safety & Health Conf		35.26
					Parker - Hotel - Interview Lineman		109.28
					Henderson - Agent Fee -PPC/NW Power Pool		35.00
					Darling - Airfare - Red Hat System Admin		733.00
					Holbrook - Hotel - NISC MIC Conf		674.33
					Lei - Airfare - Tableau Conf		472.00
					Martin - Hotel - NISC MIC Conf		674.34
					Zones - Airfare - Tableau Conf		472.00
					Zones - Hotel Deposit - Tableau Conf		77.10
					Hall - Agent Fee - PPC/NW Power Pool		35.00
					Hall - Airfare Credit - NW Power Pool		-167.00
					Hall - Car Rental - NoaNet Board Mtg		64.68
					Hall - Rental Car - WPUDA		116.21
					Gasoline		51.72
					Tree Replacement		292.67
						Total for Check/Tran - 77249:	13,501.73
77250	10/30/2019	DD	182	WESCO DISTRIBUTION	2-hole paddle, #2 stranded copper		19.55
					COLLAR PREACHER		369.24
					COLLAR, PREACHER LG-225LS		684.18
					Cable , #2 Al Str., 175 mils o		28,555.01
					MARKER BALLS, FIBER		568.20
					DE GUY PREFORM 12 5M		432.23
					FGO CU 4 SOL GC 5004		2,715.00
						Total for Check/Tran - 77250:	33,343.41

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Bank Account: 1 - Benton PUD ACH/Wire

Check / Tran	Date	Pmt Type	Vendor	Vendor Name	Reference	Amount
77251	10/30/2019	DD	3415	KEVIN K WHITE	Utililty Analytics Conf	926.87

Total Payments for Bank Account - 1 :	(115)	796,650.00
Total Voids for Bank Account - 1 :	(0)	0.00
Total for Bank Account - 1 :	(115)	796,650.00

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Bank Account: 2 - BPUD Accounts Payable Warrants

Check / Tran	Date	Pmt Type	Vendor	Vendor Name	Reference		Amount	
75701	01/09/2019	CHK	1222	YOLANDA SUMNER	Supp Life Premiun Reim		5.40	VOI
76656	07/03/2019	CHK	99999	RONALD H JENNINGS SR	Credit Balance Refund		1,001.38	VOI
77891	10/16/2019	CHK	3873	AMERICOOL HEATING AND A/C, LLC	REEP		1,100.00	
77892	10/16/2019	CHK	689	BENTON FRANKLIN COMMUNITY ACTI	REEP		3,800.00	
					REEP		8,378.35	
					REEP		9,012.80	
						Total for Check/Tran - 77892:	21,191.15	
77893	10/16/2019	CHK	35	BENTON PUD - CUSTOMER ACCOUNT D	monthly billing		347.75	
77894	10/16/2019	CHK	3344	BOYD'S TREE SERVICE, LLC	Tree Trimming Svc		7,703.36	
					Tree Trimming Svc		8,216.36	
						Total for Check/Tran - 77894:	15,919.72	
77895	10/16/2019	CHK	10372	DAVID CHAVEY-REYNAUD	2019 Solar Incentive GEN19.20701		1,617.30	
77896	10/16/2019	CHK	3520	CI INFORMATION MANAGEMENT	Onsite destruction		162.00	
					Storage		83.42	
						Total for Check/Tran - 77896:	245.42	
77897	10/16/2019	CHK	2450	D HITTLE & ASSCOCIATES, INC.	Reubild Design Benton City Substation		1,375.00	
77898	10/16/2019	CHK	2966	COLBY DECKER	Survalent Global User Conf		1,054.55	
77899	10/16/2019	CHK	3029	DELTA HEATING & COOLING, INC.	REEP		1,100.00	
77900	10/16/2019	CHK	243	FEDERAL EXPRESS CORP	Mailing Svc		355.24	
77901	10/16/2019	CHK	10409	FOXIT SOFTWARE, INC.	Software		-169.29	
					Software - phbem9		63.90	
					Software - phsem9		2,073.83	
						Total for Check/Tran - 77901:	1,968.44	
77902	10/16/2019	CHK	3478	FP MAILING SOLUTIONS	Postage Meter Deposit 2019-10		3,350.00	
					Postage Meter Deposit 2019-10		370.00	
					Postage Meter Deposit 2019-10		180.00	

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Bank Account: 2 - BPUD Accounts Payable Warrants

Check / Tran	Date	Pmt Type	Vendor	Vendor Name	Reference		Amount
						Total for Check/Tran - 77902:	3,900.00
77903	10/16/2019	CHK	10095	PASCO TIRE FACTORY, INC.	tires		4,473.37
77904	10/16/2019	CHK	128	PERFECTION GLASS, INC.	REEP		66.36
					REEP		32.40
					REEP		90.00
					REEP		112.89
					REEP		52.44
					REEP		122.25
					REEP		120.00
						Total for Check/Tran - 77904:	596.34
77905	10/16/2019	CHK	10516	POWER PLUS	Umatilla Site Repairs		6,365.73
77906	10/16/2019	CHK	3590	ROTO ROOTER	Camera Inspection		320.14
77907	10/16/2019	CHK	3961	SIERRA ELECTRIC, INC.	Meter repair/change		192.30
77908	10/16/2019	CHK	149	SMITH INSULATION, INC.	REEP		312.00
77909	10/16/2019	CHK	2699	TOTAL ENERGY MANAGEMENT & HVA	REEP		1,100.00
77910	10/16/2019	CHK	163	TRI CITY HERALD	Advertising - Parade of Homes		510.00
					Advertising - Parade of Homes		510.00
						Total for Check/Tran - 77910:	1,020.00
77911	10/16/2019	CHK	100	WASTE MANAGEMENT OF WASHINGT	monthly billing		869.27
					monthly billing		266.59
					monthly billing		499.37
						Total for Check/Tran - 77911:	1,635.23
77912	10/16/2019	CHK	1347	WILLIAM FRICK & COMPANY	CABLE MARKERS, FIBER OPTIC, CO		2,133.56
77913	10/16/2019	CHK	99999	AJW CONSTRUCTION	Credit Balance Refund		427.49
77914	10/16/2019	CHK	99999	YOSELYN AYALA MERCARDO	Credit Balance Refund		102.14
77915	10/16/2019	CHK	99999	SHARON BARCOM	District Claim		1,386.24

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Bank Account: 2 - BPUD Accounts Payable Warrants

Check / Tran	Date	Pmt Type	Vendor	Vendor Name	Reference	Amount
77916	10/16/2019	CHK	99999	BAUDER ESTATE LLC	Credit Balance Refund	163.29
77917	10/16/2019	CHK	99999	LAWRENCE CADY	Credit Balance Refund	219.84
77918	10/16/2019	CHK	99999	CASSANDRA CAMACHO	Credit Balance Refund	105.27
77919	10/16/2019	CHK	99999	SHAN DELEON	Credit Balance Refund	23.34
77920	10/16/2019	CHK	99999	JENNIFER R DORRIS	Credit Balance Refund	28.69
77921	10/16/2019	CHK	99999	EASTSIDE FUNDING LLC	Credit Balance Refund	352.90
77922	10/16/2019	CHK	99999	ARMANDO FABIAN-ESTRADA	Credit Balance Refund	38.20
77923	10/16/2019	CHK	99999	MELANIE FINCH	Credit Balance Refund	73.32
77924	10/16/2019	CHK	99999	ASHLEY FINK	Credit Balance Refund	40.53
77925	10/16/2019	CHK	99999	CRISTELA GONZALEZ	Credit Balance Refund	41.47
77926	10/16/2019	CHK	99999	CASSIA K GUIN	Credit Balance Refund	185.16
77927	10/16/2019	CHK	99999	DIANA GUTIERREZ	Credit Balance Refund	30.14
77928	10/16/2019	CHK	99999	RICHARD S HARDER	Credit Balance Refund	28.45
77929	10/16/2019	CHK	99999	VICTOR A HERNANDEZ	Credit Balance Refund	118.29
77930	10/16/2019	CHK	99999	BRANDON HOLT	Credit Balance Refund	97.28
77931	10/16/2019	CHK	99999	JENNIFER JONES	Credit Balance Refund	166.69
77932	10/16/2019	CHK	99999	JUAN BALTAZAR HERNANDEZ	Credit Balance Refund	14.73
77933	10/16/2019	CHK	99999	RAYMOND JUNG	Credit Balance Refund	51.62
77934	10/16/2019	CHK	99999	NICHOLAS S KILGORE	Credit Balance Refund	242.29
77935	10/16/2019	CHK	99999	EDWARD F LOIKA	Credit Balance Refund	57.29
77936	10/16/2019	CHK	99999	JAZMIN MANZUR RAMOS	Credit Balance Refund	12.31
77937	10/16/2019	CHK	99999	PORFIRIA MAYFIELD	Credit Balance Refund	178.58
77938	10/16/2019	CHK	99999	ERNESTO MERCADO RAMIREZ	Credit Balance Refund	12.31

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Bank Account: 2 - BPUD Accounts Payable Warrants

Check / Tran	Date	Pmt Type	Vendor	Vendor Name	Reference		Amount
77939	10/16/2019	CHK	99999	CHARITY L METZ-JOHNSON	Credit Balance Refund		164.62
77940	10/16/2019	CHK	99999	KIMBERLY MORAN	Credit Balance Refund		27.69
77941	10/16/2019	CHK	99999	ERIC S NOLAN	Credit Balance Refund		153.29
77942	10/16/2019	CHK	99999	ESTEFANI M ORTIZ-DIAZ	Credit Balance Refund		50.17
77943	10/16/2019	CHK	99999	PACGAM REALTY ASSOCIATES LLC	Credit Balance Refund		423.87
77944	10/16/2019	CHK	99999	LINDA S PATHEAL	Credit Balance Refund		13.10
77945	10/16/2019	CHK	99999	NATHAN N PHILLIPS	Credit Balance Refund		79.42
77946	10/16/2019	CHK	99999	JOSEPH J PHIPPS	Credit Balance Refund		12.58
77947	10/16/2019	CHK	99999	ERIKA M RIVERA	Credit Balance Refund		45.46
77948	10/16/2019	CHK	99999	FRANK B SHARKEY	Credit Balance Refund		38.99
77949	10/16/2019	CHK	99999	SHERRIE TOLAND	Credit Balance Refund		201.01
77950	10/16/2019	CHK	99999	ANA L VARGAS	Credit Balance Refund		154.91
77951	10/16/2019	CHK	99999	TRESSA A WATTS	Credit Balance Refund		135.58
77952	10/16/2019	CHK	99999	ALLISON YOUNG	Credit Balance Refund		55.94
77953	10/23/2019	CHK	10548	ALPINE POWER SYSTEMS, INC	Alber CRT-400 Cellcorder		6,119.61
77954	10/23/2019	CHK	10419	ASAP SYSTEMS	software subscription		-227.04
					software subscription		2,867.04
						Total for Check/Tran - 77954:	2,640.00
77955	10/23/2019	CHK	2425	AT&T MOBILITY	monthly billing		21.61
77956	10/23/2019	CHK	259	BENTON FRANKLIN COMMUNITY ACTI	Helping Hands		1,686.50
77957	10/23/2019	CHK	3344	BOYD'S TREE SERVICE, LLC	Tree Trimming Svc		7,703.36
					Tree Trimming Svc		8,216.36
						Total for Check/Tran - 77957:	15,919.72
77958	10/23/2019	CHK	10166	BYRNES OIL COMPANY, INC.	Gasoline Svc		7,313.42

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Bank Account: 2 - BPUD Accounts Payable Warrants

Check / Tran	Date	Pmt Type	Vendor	Vendor Name	Reference		Amount
					Gasoline Svc		6,630.00
						Total for Check/Tran - 77958:	13,943.42
77959	10/23/2019	CHK	138	CCR - TRI-CITIES ,LLC	Advertising		640.00
					Advertising		600.00
					Advertising		640.00
						Total for Check/Tran - 77959:	1,880.00
77960	10/23/2019	CHK	166	CENTURYLINK	monthly billing		557.66
77961	10/23/2019	CHK	3029	DELTA HEATING & COOLING, INC.	REEP		500.00
77962	10/23/2019	CHK	642	EVERGREEN FINANCIAL SERVICES, IN	Collection Svc		31.02
77963	10/23/2019	CHK	10169	FALCON SOFTWARE COMPANY, INC.	maintenance/support		-129.00
					maintenance/support		1,629.00
						Total for Check/Tran - 77963:	1,500.00
77964	10/23/2019	CHK	2176	PACIFIC OFFICE AUTOMATION, INC.	monthly billing		162.79
					monthly billing		116.56
						Total for Check/Tran - 77964:	279.35
77965	10/23/2019	CHK	128	PERFECTION GLASS, INC.	REEP		489.50
					REEP		390.00
					REEP		519.00
					REEP		355.80
						Total for Check/Tran - 77965:	1,754.30
77966	10/23/2019	CHK	2429	PROSSER TOWER SITE, INC.	Annuals Dues and Channels		2,900.00
77967	10/23/2019	CHK	10550	PUGET SOUND HARDWARE, INC.	Locks - 268115 Best 21B722-L-PS1631 626		6,249.93
77968	10/23/2019	CHK	1592	REESE CONCRETE PRODUCTS MFG. INC	SPLICE BOX 56X56X48		8,145.00
77969	10/23/2019	CHK	141	RICHLAND, CITY OF	Pole Contacts		1,952.00
77970	10/23/2019	CHK	142	ROGERS SURVEYING, INC. P.S.	Application fee/PLS		762.50
77971	10/23/2019	CHK	3590	ROTO ROOTER	water line repairs - Admin		675.03

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Bank Account: 2 - BPUD Accounts Payable Warrants

Check / Tran	Date	Pmt Type	Vendor	Vendor Name	Reference		Amount
77972	10/23/2019	CHK	10230	SMG-TRI CITIES, LLC	Advertising		1,190.00
					Advertising		920.00
					Advertising		680.00
					Advertising		1,288.00
					advertising		952.00
					Advertising		1,610.00
						Total for Check/Tran - 77972:	6,640.00
77973	10/23/2019	CHK	1222	YOLANDA SUMNER	Supp Life Premiun Reim		5.40
77974	10/23/2019	CHK	3589	TOTAL QUALITY AIR, LLC	REEP		500.00
77975	10/23/2019	CHK	139	TOWNSQUARE MEDIA TRI CITIES	Advertising		440.00
					Advertising		800.00
					Advertising		840.00
						Total for Check/Tran - 77975:	2,080.00
77976	10/23/2019	CHK	2979	TRI-CITIES LEGISLATIVE COUNCIL	Advertising		500.00
77977	10/23/2019	CHK	981	U.S. ARMY CORPS OF ENGINEERS	Easement Renewal		4,000.00
77978	10/23/2019	CHK	992	VERIZON NORTHWEST	monthly billing		522.26
77979	10/23/2019	CHK	174	WASH STATE DEPT EMPLOYMENT SEC	3rd Qtr 2019 UI Tax Admin		8,913.36
77980	10/23/2019	CHK	174	WASH STATE DEPT EMPLOYMENT SEC	3rd Qtr Ending 09/30/19		6,476.81
					Q1 2019 Amendment		417.52
					Q2 2019 Amendment		314.02
						Total for Check/Tran - 77980:	7,208.35
77981	10/23/2019	CHK	99999	RAMIRO ULLOA JR	Credit Balance Refund		1.46
77982	10/30/2019	CHK	689	BENTON FRANKLIN COMMUNITY ACTI	REEP		3,933.38
					REEP		3,800.00
						Total for Check/Tran - 77982:	7,733.38
77983	10/30/2019	CHK	54	BNSF RAILWAY COMPANY	Communication License Fee		267.30
77984	10/30/2019	CHK	614	BOB RHODES HEATING & AC, INC.	REEP		500.00

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Bank Account: 2 - BPUD Accounts Payable Warrants

Check / Tran	Date	Pmt Type	Vendor	Vendor Name	Reference		Amount
					REEP		500.00
						Total for Check/Tran - 77984:	1,000.00
77985	10/30/2019	CHK	3344	BOYD'S TREE SERVICE, LLC	Tree Trimming Svc		7,703.36
					Tree Trimming Svc		7,831.61
						Total for Check/Tran - 77985:	15,534.97
77986	10/30/2019	CHK	2988	BRUCE HEATING & AIR CONDITIONING	Installation of heat pump		7,873.50
					Repairs -No heat		-3.44
					Repairs -		1,045.82
						Total for Check/Tran - 77986:	8,915.88
77987	10/30/2019	CHK	2450	D HITTLE & ASSCOCIATES, INC.	Professional Svc		960.00
77988	10/30/2019	CHK	3029	DELTA HEATING & COOLING, INC.	REEP		3,800.00
77989	10/30/2019	CHK	3439	DJ'S ELECTRICAL, INC.	Joint Use/NESC Compliance		6,270.34
					Joint Use/NESC Compliance		82,608.80
					Cable Replacement 367.00		83,311.47
						Total for Check/Tran - 77989:	172,190.61
77990	10/30/2019	CHK	99	KIE SUPPLY CORP	Bend 11-1/2 s/40 6"belled and		972.51
77991	10/30/2019	CHK	1393	MEIER ENTERPRISES, INC.	Professional Svc		1,201.20
77992	10/30/2019	CHK	3539	NEWGEN STRATEGIES AND SOLUTION	Professional Svc		4,339.58
77993	10/30/2019	CHK	10207	ONE DIVERSIFIED, LLC	computer equipment/software/warranty		6,521.64
77994	10/30/2019	CHK	2176	PACIFIC OFFICE AUTOMATION, INC.	monthly billing		299.43
77995	10/30/2019	CHK	128	PERFECTION GLASS, INC.	REEP		702.00
					REEP		223.02
						Total for Check/Tran - 77995:	925.02
77996	10/30/2019	CHK	2276	PORT OF KENNEWICK	Commercial Energy Efficiency Prg		4,380.00
77997	10/30/2019	CHK	1592	REESE CONCRETE PRODUCTS MFG. INC	Riser Extension 6" For E-3 Tra		347.52
77998	10/30/2019	CHK	3446	SAINT JOSEPH CHURCH	Commercial Energy Efficiency Prg		6,975.50

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Bank Account: 2 - BPUD Accounts Payable Warrants

Check / Tran	Date	Pmt Type	Vendor	Vendor Name	Reference		Amount
					Commercial Energy Efficiency Prg		9,650.00
						Total for Check/Tran - 77998:	16,625.50
77999	10/30/2019	CHK	1163	TYNDALE ENTERPRISES, INC.	Clothing -Sunford/Faircloth		273.28
78000	10/30/2019	CHK	1304	US CELLULAR	Monthly billing		146.44
78001	10/30/2019	CHK	992	VERIZON NORTHWEST	monthly billing		20.35
					monthly biling		1,042.22
						Total for Check/Tran - 78001:	1,062.57
78002	10/30/2019	CHK	99999	VERNICE ARMAS	Credit Balance Refund		52.53
78003	10/30/2019	CHK	99999	JULIA BACHMANN	Credit Balance Refund		82.80
78004	10/30/2019	CHK	99999	BRENDA N BATES	Credit Balance Refund		77.35
78005	10/30/2019	CHK	99999	DARRYL R BORG	Credit Balance Refund		411.90
78006	10/30/2019	CHK	99999	SANTOS CARRASCO	Credit Balance Refund		71.73
78007	10/30/2019	CHK	99999	ESMERALDA CONTRERAS	Credit Balance Refund		216.49
78008	10/30/2019	CHK	99999	MICHAEL CORRADO	Credit Balance Refund		124.57
78009	10/30/2019	CHK	99999	BRYAN CRESS	Credit Balance Refund		76.27
78010	10/30/2019	CHK	99999	JOSE DAMIAN	Credit Balance Refund		194.06
78011	10/30/2019	CHK	99999	AMBER DICKERSON	Credit Balance Refund		265.46
78012	10/30/2019	CHK	99999	EPIC AUDIO HIFI	Credit Balance Refund		158.75
78013	10/30/2019	CHK	99999	FARM EVERYTHING LLC	Credit Balance Refund		168.12
78014	10/30/2019	CHK	99999	ELENA FLORES	Credit Balance Refund		123.75
78015	10/30/2019	CHK	99999	EVA M GAY	Credit Balance Refund		49.06
78016	10/30/2019	CHK	99999	STEPHEN C GILLIHAN	Credit Balance Refund		75.57
78017	10/30/2019	CHK	99999	GIL GUIZAR	Credit Balance Refund		29.26
78018	10/30/2019	CHK	99999	J JESUS GUZMAN MIRAMONTES	Credit Balance Refund		25.51

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Bank Account: 2 - BPUD Accounts Payable Warrants

Check / Tran	Date	Pmt Type	Vendor	Vendor Name	Reference	Amount
78019	10/30/2019	CHK	99999	MICHAEL HAGFELDT	Credit Balance Refund	70.17
78020	10/30/2019	CHK	99999	MARYAN HAMADI	Credit Balance Refund	266.60
78021	10/30/2019	CHK	99999	SEAN HARNDEN	Credit Balance Refund	132.88
78022	10/30/2019	CHK	99999	HI OIL SPA LLC	Credit Balance Refund	117.17
78023	10/30/2019	CHK	99999	ROBERT INMAN	District Claim	614.07
78024	10/30/2019	CHK	99999	ALEXANDER LOPEZ HIDALGO	Credit Balance Refund	37.68
78025	10/30/2019	CHK	99999	KATHRYN MARTELL	Credit Balance Refund	33.07
78026	10/30/2019	CHK	99999	JENNIFER MENDIOLA	Credit Balance Refund	28.00
78027	10/30/2019	CHK	99999	MY LIFE REPURPOSED	Credit Balance Refund	23.45
78028	10/30/2019	CHK	99999	MICHELLE MYRICK	Credit Balance Refund	105.11
78029	10/30/2019	CHK	99999	ROSA NAVARRO	Credit Balance Refund	19.62
78030	10/30/2019	CHK	99999	PACIFIC KICKS MARTIAL ARTS LLC	Credit Balance Refund	173.60
78031	10/30/2019	CHK	99999	PRESTON PEREZ	Credit Balance Refund	38.07
78032	10/30/2019	CHK	99999	ANJELICA W SANTOS	Credit Balance Refund	146.17
78033	10/30/2019	CHK	99999	HASAN SEYYEDHASANI	Credit Balance Refund	54.97
78034	10/30/2019	CHK	99999	AMBER STELLINGS	Credit Balance Refund	114.07
78035	10/30/2019	CHK	99999	GENA STEPHENSON	Credit Balance Refund	149.37
78036	10/30/2019	CHK	99999	VANESSA E TORRES	Credit Balance Refund	101.83
78037	10/30/2019	CHK	99999	ROSARIO VARGAS	Credit Balance Refund	87.93
78038	10/30/2019	CHK	99999	WAYNE R WEISNER	Credit Balance Refund	81.00
78039	10/30/2019	CHK	99999	JUSTIN R WHITNEY	Credit Balance Refund	14.84
78040	10/30/2019	CHK	99999	DAISY ZAMORA	Credit Balance Refund	26.05

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Bank Account: 2 - BPUD Accounts Payable Warrants

Check / Tran	Date	Pmt Type	Vendor	Vendor Name	Reference			Amount
						Total Payments for Bank Account - 2 :	(150)	424,101.94
						Total Voids for Bank Account - 2 :	(2)	1,006.78
						Total for Bank Account - 2 :	(152)	425,108.72
						Grand Total for Payments :	(265)	1,220,751.94
						Grand Total for Voids :	(2)	1,006.78
						Grand Total :	(267)	1,221,758.72

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Bank Account: 1 - Benton PUD ACH/Wire

Check / Tran	Date	Pmt Type	Vendor	Vendor Name	Reference		Amount
5093	10/11/2019	WIRE	169	ENERGY NORTHWEST	Co-Location rent		403.28
5094	10/04/2019	WIRE	10084	CITI MERCHANT SERVICES	Merchant Fees 09/19		30,222.10
5095	10/15/2019	WIRE	2570	THE ENERGY AUTHORITY, INC.	Purchased Power 09/19		157,839.75
5096	10/15/2019	WIRE	1680	MORGAN STANLEY	Purchased Power 09/19		135,380.00
5097	10/15/2019	WIRE	3844	MACQUARIE ENERGY N. AMERICA TRA	Purchased Power 09/19		48,660.82
5098	10/15/2019	WIRE	4172	CITIGROUP ENERGY, INC.	Purchased Power 09/19		42,067.02
5099	10/15/2019	WIRE	1787	BP ENERGY COMPANY	Purchased Power 09/19		41,209.60
5100	10/17/2019	WIRE	2205	UNITED STATES TREASURY	Federal Income Tax		56,797.86
					Medicare - Employee		8,140.02
					Medicare - Employer		8,055.29
					Social Security - Employee		31,826.30
					Social Security - Employer		31,826.30
						Total for Check/Tran - 5100:	136,645.77
5101	10/17/2019	WIRE	1567	ICMA RETIREMENT CORP	457(b) Leave EE Contribution		1,285.55
					457(b) Roth EE Contribution		3,077.91
					Plan A 457(b) Employee Contribution		7,113.56
					Plan B 457(b) Employee Contribution		21,142.12
					Plan C 401(a) EE Contribution		1,471.15
					Plan C 401(a) Option 1 EE Contribution		3,373.12
					Plan C 401(a) Option 2 EE Contribution		1,562.92
					Plan C 401(a) Option 4, Step 1 EE Contri		90.80
					Plan C 401(a) Option 4, Step 2 EE Contri		347.09
					Plan C 401(a) Option 4, Step 3 EE Contri		1,299.03
					Plan C 401(a) Option 4, Step 4 EE Contri		707.64
					Plan C 401(a) Option 5, Step 4 EE Contri		1,861.51
					Plan C 457(b) Employee Contribution		5,523.37
					Deferred Comp- ER		9,445.51
						Total for Check/Tran - 5101:	58,301.28

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Bank Account: 1 - Benton PUD ACH/Wire

Check / Tran	Date	Pmt Type	Vendor	Vendor Name	Reference		Amount
5102	10/17/2019	WIRE	437	WASH STATE DEPT SUPPORT REGIST	Garnishment - Child Support		925.24
5103	10/17/2019	WIRE	171	WASH STATE DEPT RETIREMENT SYS	PERS Plan 2		39,741.99
					PERS Plan 3A 5% All Ages		1,996.95
					PERS Plan 3B 5% Up to Age 35		173.56
					PERS Plan 3B 6% Age 35-45		7.72
					PERS Plan 3D 7% All Ages		6.25
					PERS Plan 3E 10% All Ages		733.20
					PERS - ER		71,247.36
						Total for Check/Tran - 5103:	113,907.03
5104	10/18/2019	WIRE	169	ENERGY NORTHWEST	Purchased Power 09/19		164,650.08
5105	10/18/2019	WIRE	2902	WHITE CREEK WIND I, LLC	Purchased Power 09/19		12,733.00
5107	10/24/2019	WIRE	246	BONNEVILLE POWER ADMIN	Purchased Power 9/19		4,856,869.00
5108	10/25/2019	WIRE	933	POWEREX CORPORATION	Purchased Gas 09/19		579,012.00
5110	10/28/2019	WIRE	424	WASH STATE DEPT REVENUE-EXCISE T	Use Tax		2,301.00
					Retailing & Wholesaling Tax		828.69
					Service Tax		4,214.01
						Total for Check/Tran - 5110:	7,343.70
5111	10/28/2019	WIRE	246	BONNEVILLE POWER ADMIN	Transmisson Purchase		871,487.00
5112	10/29/2019	WIRE	1821	FREDERICKSON POWER L.P.	Purchased Gas 9/19		833,390.84
5113	10/29/2019	WIRE	2800	LL&P WIND ENERGY, INC.	Purchased Power 09/19		50,874.21
5115	10/31/2019	WIRE	2205	UNITED STATES TREASURY	Federal Income Tax		57,920.44
					Medicare - Employee		8,231.09
					Medicare - Employer		8,143.33
					Social Security - Employee		32,075.21
					Social Security - Employer		32,075.21
						Total for Check/Tran - 5115:	138,445.28
5116	10/31/2019	WIRE	1567	ICMA RETIREMENT CORP	Deferred Comp - ER		9,424.34

Accounts Payable
Check Register

ALL

Bank Account: 1 - Benton PUD ACH/Wire

Check / Tran	Date	Pmt Type	Vendor	Vendor Name	Reference			Amount
					457(b) Leave EE Contribution			1,285.55
					457(b) Roth EE Contribution			3,077.91
					Plan A 457(b) Employee Contribution			7,067.53
					Plan B 457(b) Employee Contribution			21,142.12
					Plan C 401(a) EE Contribution			1,471.15
					Plan C 401(a) Option 1 EE Contribution			3,373.12
					Plan C 401(a) Option 2 EE Contribution			1,562.92
					Plan C 401(a) Option 4, Step 1 EE Contri			90.80
					Plan C 401(a) Option 4, Step 2 EE Contri			347.09
					Plan C 401(a) Option 4, Step 3 EE Contri			1,299.03
					Plan C 401(a) Option 4, Step 4 EE Contri			707.64
					Plan C 401(a) Option 5, Step 4 EE Contri			1,759.11
					Plan C 457(b) Employee Contribution			5,523.37
						Total for Check/Tran - 5116:		58,131.68
5117	10/31/2019	WIRE	171	WASH STATE DEPT RETIREMENT SYS	PERS - ER			70,765.79
					PERS Plan 2			39,476.45
					PERS Plan 3A 5% All Ages			1,985.92
					PERS Plan 3B 5% Up to Age 35			178.38
					PERS Plan 3E 10% All Ages			729.00
						Total for Check/Tran - 5117:		113,135.54
5118	10/31/2019	WIRE	10052	JACK HENRY & ASSOCIATES, INC.	Merchant Svc			507.20
5119	10/31/2019	WIRE	925	KLICKITAT COUNTY PUD	TX White Crk/Rock Crk 9/19			4,058.46
5120	11/01/2019	WIRE	169	ENERGY NORTHWEST	Purchased Power 09/19			33,146.08
						Total for Bank Account - 1 :	(25)	8,489,345.96
						Grand Total :	(25)	8,489,345.96

BENTON PUD - RESIDENTIAL CONSERVATION REBATE DETAIL

Date	Customer	Rebate Amount	Rebate Description
10/16/2019	Dennis, Zachary	$ 100.00	Rebate - Energy Star Smart Thermostat
10/16/2019	Towle, Delaney	$ 100.00	Rebate - Energy Star Smart Thermostat

$	200.00

Payment Date	Department	Payment Amount	Vendor Name	Description	Transaction Amount	GL Account	Dept	Activity
9/16/2019	AUTO SHOP	($39.10)	PASCO A-PTS 0027915	Credit	-$39.10	184.12	37	16
9/16/2019	AUTO SHOP	$386.59	PASCO A-PTS 0027915	#169, battery's	$386.59	184.12	37	16
9/16/2019	AUTO SHOP	$151.80	PASCO A-PTS 0027915	oil,fuel,air, filters	$151.80	184.12	37	16
9/16/2019	AUTO SHOP	$33.23	CENTRAL MACHINERY - PASCO	#112, bushings	$33.23	184.12	37	16
9/16/2019	AUTO SHOP	$115.86	LANDMARK FORD LINCOLN	brake /window cleaner	$115.86	184.12	37	16
9/16/2019	AUTO SHOP	$123.25	PASCO A-PTS 0027915	#153, battery	$123.25	184.12	37	16
9/16/2019	AUTO SHOP	$131.81	WOODPECKER TRUCK	#149, cam/crank sensor	$131.81	184.12	37	16
9/16/2019	AUTO SHOP	$76.33	PASCO A-PTS 0027915	oil and air filters	$76.33	184.12	37	16
9/16/2019	AUTO SHOP	$197.08	JIMS PACIFIC GARAGES	#78, alternator	$197.08	184.12	37	16
9/16/2019	AUTO SHOP	$498.04	CUMMINS INC - 09	#176, doser,injector	$498.04	184.12	37	16
9/16/2019	AUTO SHOP	($50.02)	PASCO A-PTS 0027915	credit	-$50.02	184.12	37	16
9/16/2019	AUTO SHOP	$1,260.52	MONARCH MACHINE AND TOOL	#112, new links fabed, bucket	$1,260.52	184.12	37	16
9/16/2019	AUTO SHOP	$34.21	CENTRAL MACHINERY - PASCO	#112, paint	$34.21	184.12	37	16
9/16/2019	AUTO SHOP	$299.70	LANDMARK FORD LINCOLN	#188, step asy, running boards	$299.70	184.12	37	16
9/16/2019	AUTO SHOP	$13.22	JIMS PACIFIC GARAGES	#176, 90 deg elbow fitting	$13.22	184.12	37	16
9/16/2019	AUTO SHOP	$21.65	CDW GOVT #TQS3935	#205, bracket slide rail	$21.65	184.12	37	16
9/16/2019	AUTO SHOP	$269.10	PAPE MATERIAL HANDLING	#139, fork shift switch	$269.10	184.12	37	16
9/16/2019	AUTO SHOP	$472.90	CENTRAL MACHINERY - PASCO	#112, switch	$472.90	184.12	37	16
9/16/2019	AUTO SHOP	$193.82	JIMS PACIFIC GARAGES	#176, fitting urea doser line	$193.82	184.12	37	16
9/16/2019	AUTO SHOP	$306.23	PASCO A-PTS 0027915	#99,battery's	$306.23	184.12	37	16
9/16/2019	AUTO SHOP	$484.52	PASCO A-PTS 0027915	def,battery's,filters	$484.52	184.12	37	16
9/16/2019	AUTO SHOP	$16.28	PASCO A-PTS 0027915	decal eraser	$16.28	184.12	37	14
9/16/2019	AUTO SHOP	$463.16	LAWSON PRODUCTS	aerosol's,screw's,connectors..	$463.16	184.12	37	16
9/16/2019	AUTO SHOP	$158.12	LITHIA CJD OF TRI-CITIES	#161, blower motor	$158.12	184.12	37	16
9/16/2019	AUTO SHOP	$459.35	PASCO A-PTS 0027915	#133, Battery's	$459.35	184.12	37	16
9/16/2019	AUTO SHOP	$13.63	PASCO A-PTS 0027915	d.e.f. fluid	$13.63	184.12	37	16
9/16/2019	AUTO SHOP	$69.09	PASCO A-PTS 0027915	#158, lift support	$69.09	184.12	37	16
9/16/2019	AUTO SHOP	$138.96	ALTEC INDUSTRIES, INC	#167, pto. circuit board,switc	$138.96	184.12	37	16
9/16/2019	AUTO SHOP	$126.04	HUSKY LINERS	#185, front floor liner's	$126.04	184.12	37	16
9/16/2019	AUTO SHOP	$126.04	HUSKY LINERS	#184, front floor liners	$126.04	184.12	37	16
9/16/2019	AUTO SHOP	$551.67	PASCO A-PTS 0027915	#78, AGM Battery's	$551.67	184.12	37	16
9/16/2019	AUTO SHOP	$136.62	PASCO A-PTS 0027915	#201, filters	$136.62	184.12	37	16
9/16/2019	AUTO SHOP	$39.02	PASCO A-PTS 0027915	#202, power inverter	$39.02	184.12	37	16
9/16/2019	AUTO SHOP	$238.47	PASCO A-PTS 0027915	#175, brakes and tie rod end	$238.47	184.12	37	16
9/16/2019	AUTO SHOP	$5.53	PASCO A-PTS 0027915	#155, radiator cap	$5.53	184.12	37	16
9/16/2019	AUTO SHOP	$62.94	CORWIN FORD TRI-CITIES	#175, exhaust temp sensor	$62.94	184.12	37	16
9/16/2019	AUTO SHOP	$209.33	CASADAY BEE-LINE SERVICE	#175, wheel alignment	$209.33	184.12	37	16
9/16/2019	AUTO SHOP	$27.00	JIFFY CAR WASH	#157, car wash	$27.00	184.12	37	16
9/16/2019	AUTO SHOP	($93.67)	WOODPECKER TRUCK	#149 , heat cont. core credit	-$93.67	184.12	37	16
9/16/2019	AUTO SHOP	$553.69	WOODPECKER TRUCK	#149, heater control	$553.69	184.12	37	16
9/16/2019	AUTO SHOP	$597.30	CRYSTAL CLEAR AUTO GLASS	#108, window	$597.30	184.12	37	16
9/16/2019	AUTO SHOP	$15.73	OXARC, INC-PASCO COUNTER	portaband saw blades	$15.73	184.12	37	14
9/16/2019	AUTO SHOP	$39.00	AUTOBAHN AUTO CARE	autobahn car wash	$39.00	184.12	37	16
9/16/2019	AUTO SHOP	$183.61	JIMS PACIFIC GARAGES	#176, urea line doser	$183.61	184.12	37	16
9/16/2019	AUTO SHOP	$171.58	PROSSER AUTOMOTIVE, INC	tr # 1106, battery	$171.58	184.12	37	16
9/16/2019	AUTO SHOP	$11.69	SPECK BUICK GMC OF TRI	#145, stop light switch	$11.69	184.12	37	16
9/16/2019	AUTO SHOP	$296.33	PASCO A-PTS 0027915	air and oil filters	$296.33	184.12	37	16
9/16/2019	AUTO SHOP	$77.24	JIMS PACIFIC GARAGES	#99, brake air cans	$77.24	184.12	37	16
9/16/2019	PROSSER BRANCH	$270.00	ARCHBRIGHT	Gayle Leadership training	$270.00	903	42	43

Payment Date	Department	Payment Amount	Vendor Name	Description	Transaction Amount	GL Account	Dept	Activity
9/16/2019	PROSSER BRANCH	$206.50	FP MAILING SOLUTIONS	postage	$206.50	903	42	30
9/16/2019	COMMUNICATIONS GOV REL	$50.00	SQ *LEADERSHIP TRI-	Leadership Tri-Cities	$50.00	910	12	72
9/16/2019	COMMUNICATIONS GOV REL	$15.96	SEATTLE TIMES COMPANY	Seattle Times Advertisement	$15.96	910	12	45
9/16/2019	COMMUNICATIONS GOV REL	$291.11	MUSTANG SIGN GROUP	low income discount banner 910.00.12.061	$291.11	910	12	119
9/16/2019	COMMUNICATIONS GOV REL	$74.22	AMER PUBLIC POWER ASSO	Small business brochures	$74.22	910	12	119
9/16/2019	COMMUNICATIONS GOV REL	$634.34	HALO BRANDED SOLUTIONS	Hats for parade and fair	$634.34	923	12	119
9/16/2019	COMMUNICATIONS GOV REL	$32.58	PROSSER RECORD BULLETIN	prosser record bullitin	$32.58	910	12	45
9/16/2019	COMMUNICATIONS GOV REL	$9.74	COSTCO WHSE #0486	Water for Riverfest	$9.74	921	12	119
9/16/2019	COMMUNICATIONS GOV REL	$117.63	PRINTEDDRYERASE.COM	Check presentation	$117.63	910	12	119
9/16/2019	COMMUNICATIONS GOV REL	$1,129.19	CULVER COMPANY INC	promo bookmarks and pens	$1,129.19	923	12	119
9/16/2019	COMMUNICATIONS GOV REL	($117.63)	PRINTEDDRYERASE.COM	Check presentation refund	-$117.63	910	12	119
9/16/2019	CONTRACTS-PURCHASING	$103.84	TRI-CITY HERALD ADVERT	Bid #19-14 - Vista Field UG Fe	$103.84	921	17	44
9/16/2019	FINANCE & BUSINESS SVCS	$0.00	OF MANAGEMENT ACCTS	Meyer - Membership	$260.00	921	11	72
9/16/2019	FINANCE & BUSINESS SVCS	$355.00	OF MANAGEMENT ACCTS	Meyer - Ethics Course 921.11.33	$95.00	921	11	43
9/16/2019	FINANCE & BUSINESS SVCS	$21.71	OFFICE DEPOT #5125	Office Supplies	$21.71	921	11	33
9/16/2019	FINANCE & BUSINESS SVCS	$581.55	OFFICEMAX/OFFICEDEPT#6877	Office Supplies	$581.55	921	11	33
9/16/2019	FINANCE & BUSINESS SVCS	$81.98	OFFICE DEPOT #1078	Office Supplies	$81.98	921	11	33
9/16/2019	FINANCE & BUSINESS SVCS	$299.00	PROGRESSIVE BUSINESS PUB	Keep Up To Date on AP	$299.00	921	14	45
9/16/2019	FINANCE & BUSINESS SVCS	$560.00	GOVERNMENT FINANCE OFFIC	CAFR 2018	$560.00	921	14	45
9/16/2019	FINANCE & BUSINESS SVCS	$10.50	WSP COLLISION RECORDS	Collision Report# E919193	$10.50	921	11	33
9/16/2019	FINANCE & BUSINESS SVCS	$60.77	OFFICE DEPOT #1078	Office Supplies	$60.77	921	11	33
9/16/2019	FINANCE & BUSINESS SVCS	$52.65	AMAZON.COM*MO9LV9810 AMZN	Office Supplies	$52.65	921	11	33
9/16/2019	FINANCE & BUSINESS SVCS	$49.81	AMZN MKTP US*MO55U78B0	2020 Planner	$49.81	921	11	33
9/16/2019	FINANCE & BUSINESS SVCS	$89.53	AMZN MKTP US*MO6AJ4D20	Office Supplies	$89.53	921	11	33
9/16/2019	FINANCE & BUSINESS SVCS	$75.00	WASHINGTON PUD ASSOCIATIO	Meyer-2019 Sept Assoc Mtg	$75.00	921	11	42
9/16/2019	MAINTENANCE	$235.20	LAWSON PRODUCTS	Graffitti Remover	$235.20	598.1	38	17
9/16/2019	MAINTENANCE	$427.88	THERMAL SUPPLY 21	HVAC tools gage&scale	$427.88	598.1	38	14
9/16/2019	MAINTENANCE	$128.62	GRAINGER	HVAC filters	$128.62	935	38	38
9/16/2019	MAINTENANCE	($177.57)	CONS SUPPLY KENNEWICK	returned faucet	-$177.57	935	38	38
9/16/2019	MAINTENANCE	$200.92	CONS SUPPLY KENNEWICK	kitchen faucet	$200.92	935	38	38
9/16/2019	MAINTENANCE	$49.27	GRAINGER	replacement tools 935.38.39	$49.27	598.1	38	39
9/16/2019	MAINTENANCE	$211.77	H AND N ELECTRIC A TIMKEN	pump alignment	$211.77	935	38	38
9/16/2019	MAINTENANCE	$184.01	GRAINGER	HVAC filters	$184.01	935	38	38
9/16/2019	MAINTENANCE	$81.45	AT HOME ELECTRONIC AND	used microwave for kitchen Adm	$81.45	935	38	38
9/16/2019	MAINTENANCE	$87.55	GRAINGER	Bearings for swamp coolers	$87.55	598.1	38	38
9/16/2019	MAINTENANCE	$49.35	GRAINGER	soap dispenser	$49.35	598.1	38	38
9/16/2019	MAINTENANCE	$98.39	GRAINGER	Storage boxes	$98.39	598.1	38	38
9/16/2019	MAINTENANCE	$62.58	GRAINGER	emory paper	$62.58	598.1	38	38
9/16/2019	MAINTENANCE 1	($521.28)	THERMAL SUPPLY 21	logic board	-$521.28	598.1	38	38
9/16/2019	MAINTENANCE 1	$521.28	THERMAL SUPPLY 21	logic board	$521.28	598.1	38	38
9/16/2019	MAINTENANCE 1	$74.33	IRRIGATION SPECIALISTS IN	pvc fittings 935.38.38	$74.33	935	38	37
9/16/2019	MAINTENANCE 1	$365.49	BUILDERS HARDWARE AND SUP	door hinge	$365.49	935	38	38
9/16/2019	MAINTENANCE 1	$9.75	THE HOME DEPOT #4739	silicone	$9.75	935	38	38
9/16/2019	MAINTENANCE 1	$155.90	RSD - SPOKANE#16	fujitsu	$155.90	935	38	38
9/16/2019	MAINTENANCE 1	$132.34	THERMAL SUPPLY 21	410 a	$132.34	935	38	38
9/16/2019	METER SHOP	$1,245.72	3627 CED	Meter Base Pedestal hardware	$1,245.72	370	34	124
9/16/2019	METER SHOP	$163.93	FIBERDYNE LABS INC	3 ea fiber attenuators	$163.93	592	34	127
9/16/2019	METER SHOP	$394.47	LAWSON PRODUCTS	Misc nuts, screws, crimp terms	$394.47	597	34	124
9/16/2019	CUST SRVCE PROG MNGR	$52.30	OFFICE DEPOT #1078	rubber bands, tape, pads	$52.30	903	44	33

Payment Date	Department	Payment Amount	Vendor Name	Description	Transaction Amount	GL Account	Dept	Activity
9/16/2019	CUST SRVCE PROG MNGR	$10.85	OFFICE DEPOT #1078	keytag wallrack	$10.85	903	44	33
9/16/2019	CUST SRVCE PROG MNGR	$50.17	DIEBOLD SUPPLY	FRAUD	$50.17	143	0	0
9/16/2019	CUST SRVCE PROG MNGR	$91.09	OFFICE DEPOT #1078	Astro Bright Paper Pink	$91.09	903	44	33
9/16/2019	CUST SRVCE PROG MNGR	$1,550.00	AMER PUBLIC POWER ASSO	APPA Ball	$775.00	903	44	42
9/16/2019	CUST SRVCE PROG MNGR	$0.00	AMER PUBLIC POWER ASSO	APPA Sparks	$775.00	903	42	42
9/16/2019	CUST SRVCE PROG MNGR	$99.00	FREDPRYOR CAREERTRACK	Excel Training Timmerman	$99.00	903	44	43
9/16/2019	CUST SRVCE PROG MNGR	$675.49	IN *APS, INC.	Postage Supplies	$675.49	903	44	30
9/16/2019	ENGINEERING PROG MNGR	$44.97	FRED-MEYER #0163	Vosahlo's 20 Yr Anniversary	$44.97	588	21	33
9/16/2019	ENGINEERING PROG MNGR	$143.10	TIMBER PRODUCTS INSPECTIO	UPD west inspections	$143.10	588	21	61
9/16/2019	ENGINEERING PROG MNGR	$45.56	AMAZON.COM*MO2T918D2 AMZN	Komelon 14" measuring wheel 588.21.134	$45.56	588	22	14
9/16/2019	ENGINEERING PROG MNGR	$73.83	FULL SOURCE LLC	Hanks-FR vest 588.21.134	$73.83	588	22	14
9/16/2019	ENGINEERING PROG MNGR	$140.88	AMZN MKTP US*OO47H2LT3	Em Restoration-spotlights, puc 588.21.134	$140.88	588	21	14
9/16/2019	ENGINEERING PROG MNGR	$22.58	OFFICE DEPOT #1080	2020 Calendars	$22.58	588	21	33
9/16/2019	ENGINEERING PROG MNGR	$72.40	AMAZON.COM*MO64X9SU0 AMZN	Em Restoration-Caut tape/cones 588.21.134	$72.40	588	21	14
9/16/2019	ENGINEERING PROG MNGR	$47.72	FRANKLINCOVEYPRODUCTS	2020 planner refill	$47.72	588	21	33
9/16/2019	ENGINEERING PROG MNGR	$194.88	AMZN MKTP US*619YA4C53	Em Restoration-spotlights, puc 588.21.134	$194.88	588	21	14
9/16/2019	ENGINEERING PROG MNGR	$180.41	SCHWEITZER ENGINEERING LA	Serial cables for metershop	$180.41	588	21	127
9/16/2019	ENGINEERING PROG MNGR	$308.61	OFFICE DEPOT #1078	2020 Calendars	$308.61	588	21	33
9/16/2019	ENGINEERING PROG MNGR	$702.60	AMAZON.COM*GT3454GT3 AMZN	Em Restoration-Caut tape/cones 588.21.134	$702.60	588	21	14
9/16/2019	ENGINEERING PROG MNGR	$22.58	OFFICE DEPOT 1135	2020 Calendars	$22.58	588	21	33
9/16/2019	ENGINEERING PROG MNGR	$41.24	AMAZON.COM*DN50U25M3 AMZN	Em Restoration-10yrAAAbatteri 588.21.134	$41.24	588	21	14
9/16/2019	ENGINEERING PROG MNGR	$45.82	SEARS.COM 9300	Emer Rest-tool bags 588.21.134	$45.82	588	21	14
9/16/2019	INFO SRVCS PROG MNGR	$277.53	CDW GOVT #TNR7637	Printer for Jesse Grad	$277.53	588	15	26
9/16/2019	INFO SRVCS PROG MNGR	$360.00	FS COM INC	Customer Premise Equip	$360.00	107.1	46	33
9/16/2019	INFO SRVCS PROG MNGR	$295.00	IMI*INFORMATRADESHOW	Registration for McMahon 921.18.42	$295.00	921	18	43
9/16/2019	INFO SRVCS PROG MNGR	$2,890.00	SQ *FIERCE SOFTWARE	Registration for Darling	$2,890.00	921	15	43
9/16/2019	INFO SRVCS PROG MNGR	$2,596.12	COMPUNET	O365 monthly fee	$2,596.12	921	15	27
9/16/2019	INFO SRVCS PROG MNGR	$76.00	WWW.NEWEGG.COM	Trackballs	$76.00	921	15	26
9/16/2019	INFO SRVCS PROG MNGR	$60.70	WWW.NEWEGG.COM	wireless keyboard and mice	$60.70	921	15	26
9/16/2019	INFO SRVCS PROG MNGR	$64.08	CBT NUGGETS	online training for (Homer)	$64.08	921	15	43
9/16/2019	INFO SRVCS PROG MNGR	$2,150.28	COMPUNET	meraki renewal	$2,150.28	921	15	25
9/16/2019	INFO SRVCS PROG MNGR	$91.77	WWW.NEWEGG.COM	5 wireless mice	$91.77	921	15	26
9/16/2019	INFO SRVCS PROG MNGR	$181.60	FS COM INC	Misc SFP fiber cables	$181.60	921	15	26
9/16/2019	INFO SRVCS PROG MNGR	$124.98	SPECTRUM	Backup internet	$124.98	921	15	50
9/16/2019	INFO SRVCS PROG MNGR	$110.60	STERLINGS RESTAURANT	Lunch with interview team	$110.60	921	15	42
9/16/2019	OPERATIONS PROG MNGR	$38.59	WAL-MART #2101	Doble Training	$38.59	588	31	42
9/16/2019	OPERATIONS PROG MNGR	$34.50	SQ *POPULAR DONUTS	Doble Training	$34.50	588	31	42
9/16/2019	OPERATIONS PROG MNGR	$53.74	OFFICE DEPOT #1078	Office Supplies/Ops	$53.74	588	31	33
9/16/2019	OPERATIONS PROG MNGR	$20.08	OFFICE DEPOT #1080	Office Supplies/Ops	$20.08	588	31	33
9/16/2019	OPERATIONS PROG MNGR	$16.44	WM SUPERCENTER #2101	Strategic Planning/Broadband 920.31.61	$16.44	921	31	61
9/16/2019	OPERATIONS PROG MNGR	$60.28	OFFICE DEPOT #1078	Office Supplies/Ops	$60.28	588	31	33
9/16/2019	OPERATIONS PROG MNGR	$152.49	THE VILLAGE BISTRO LLC	Strategic Planning/Broadband 920.31.61	$152.49	921	31	61
9/16/2019	OPERATIONS PROG MNGR	$78.81	OFFICE DEPOT #1078	Office Supplies/Ops Labels	$78.81	588	31	33
9/16/2019	POWER MGMT PROG MNGR	($17.05)	AMZN MKTP US	Returned calculator	-$17.05	557	51	33
9/16/2019	POWER MGMT PROG MNGR	$295.00	IMI*INFORMATRADESHOW	Scherer-Beyond Data	$295.00	557	51	43
9/16/2019	POWER MGMT PROG MNGR	$295.00	IMI*INFORMATRADESHOW	White-Beyond Data	$295.00	557	51	43
9/16/2019	POWER MGMT PROG MNGR	$91.73	AMZN MKTP US*MO9J19VV2	3",4"&5" binders	$91.73	557	45	33
9/16/2019	POWER MGMT PROG MNGR	$55.68	OFFICE DEPOT #1078	office supplies	$55.68	908.3	45	33
9/16/2019	POWER MGMT PROG MNGR	$61.11	OFFICE DEPOT #1078	2020 Calendars/post its	$61.11	557	51	33

Payment Date	Department	Payment Amount	Vendor Name	Description	Transaction Amount	GL Account	Dept	Activity
9/16/2019	POWER MGMT PROG MNGR	$118.62	OFFICE DEPOT #1078	2020 Calendars	$118.62	557	45	33
9/16/2019	WAREHOUSE PROG MNGR	$1,116.13	ARNETT INDUSTRIES	CHARGE IN ERROR	$1,116.13	593.1	32	14
9/16/2019	WAREHOUSE PROG MNGR	($1,116.13)	ARNETT INDUSTRIES	CREDIT FOR CHARGE IN ERROR	-$1,116.13	593.1	32	14
9/16/2019	WAREHOUSE PROG MNGR	$1,116.13	ARNETT INDUSTRIES	ARM EXTENSIONS	$1,116.13	593.1	32	14
9/16/2019	WAREHOUSE PROG MNGR	$380.00	NWPPA	HAZWHOPPER TRAINING - SCHAFER	$380.00	588	38	43
9/16/2019	WAREHOUSE PROG MNGR	$291.43	FULL SOURCE LLC	SAFETY GLASSES	$291.43	588	39	104
9/16/2019	WAREHOUSE PROG MNGR	$0.00	GRAINGER	CLEANER & SAFETY GLASSES	$146.35	588	39	104
9/16/2019	WAREHOUSE PROG MNGR	$0.00	GRAINGER	BARRICADE TAPE 59410.39.13	$46.13	594.1	32	13
9/16/2019	WAREHOUSE PROG MNGR	$276.17	GRAINGER	MARKING WAND 59410.39.14	$83.69	594.1	32	14
9/16/2019	WAREHOUSE PROG MNGR	$995.77	ARNETT INDUSTRIES	FULL BODY HARNESSES	$995.77	588	39	104
9/16/2019	WAREHOUSE PROG MNGR	$295.33	ARNETT INDUSTRIES	KLEIN IMPACT SOCKETS 2 IN 1	$295.33	593.1	32	14
9/16/2019	WAREHOUSE PROG MNGR	$543.41	ARNETT INDUSTRIES	TOOL REPAIR	$543.41	598.1	32	39
9/16/2019	WAREHOUSE PROG MNGR	$841.69	ARNETT INDUSTRIES	CONDUCTOR & PART INSULATOR	$841.69	593.1	32	14
9/16/2019	WAREHOUSE PROG MNGR	$195.37	PASCO A-PTS 0027915	MISC SMALL TOOLS 16300.39.014	$195.37	163	32	14
9/16/2019	WAREHOUSE PROG MNGR	$1,465.80	HILTI INC	FOAM AND DISPENSERS	$1,465.80	594.1	39	17
9/16/2019	WAREHOUSE PROG MNGR	$554.03	WAGNER SMITH EQUIPMENT CO	TWISTARP 10X10 TARP SLING	$554.03	594.1	32	14
9/16/2019	WAREHOUSE PROG MNGR	$38.49	THE HOME DEPOT #4739	POTTING SOIL & MULCH	$38.49	594.1	32	17
9/16/2019	WAREHOUSE PROG MNGR	$2,534.72	ANIXTER INC - UPS	REPLMT BLADE W/END CAP & PAD	$2,534.72	592	35	17
9/16/2019	WAREHOUSE PROG MNGR	$10.85	THE HOME DEPOT #4739	MULCH	$10.85	598.1	32	17
9/16/2019	WAREHOUSE PROG MNGR	$268.29	GRAINGER	SPORTS DRINK	$134.14	588	39	104
9/16/2019	WAREHOUSE PROG MNGR	$0.00	GRAINGER	GLASS CLEANER & WD-40	$134.15	163	39	13
9/16/2019	WAREHOUSE PROG MNGR	$251.32	THE HOME DEPOT 4739	RADIOS & WASP SPRAY	$197.04	163	39	13
9/16/2019	WAREHOUSE PROG MNGR	$0.00	THE HOME DEPOT 4739	RADIOS & WASP SPRAY 163.39.13	$54.28	163	39	14
9/16/2019	WAREHOUSE PROG MNGR	$114.36	COLUMBIA RIGGING CORP	CHAIN COUPLERS	$114.36	594.1	32	14
9/16/2019	WAREHOUSE PROG MNGR	$22.53	SUBWAY 00040949	OT FOOD JO#560001	$22.53	594.1	32	104
9/16/2019	WAREHOUSE PROG MNGR	$68.72	AMAZON.COM*MO2LQ5M10 AMZN	ANTI FATIGUE MAT	$68.72	588	31	33
9/16/2019	WAREHOUSE PROG MNGR	$75.00	L2G*KENNEWICKFARP	FALSE ALARM FEE	$75.00	588	38	38
9/16/2019	WAREHOUSE PROG MNGR	$1,784.02	COLUMBIA RIGGING CORP	SHOCK ABS LANYARD & HARNESSES	$1,784.02	593.2	32	14
9/16/2019	WAREHOUSE PROG MNGR	$261.92	GRAINGER	HEADLAMPS	$193.68	593.1	32	14
9/16/2019	WAREHOUSE PROG MNGR	$0.00	GRAINGER	IMPACT UNIVERSAL JOINT	$68.24	594.1	32	14
9/16/2019	WAREHOUSE PROG MNGR	$380.97	SQ *FLAG FACTORY NW	NEW FLAGS	$380.97	935	38	38
9/16/2019	WAREHOUSE PROG MNGR	$203.95	OFFICEWORLDCOM	LYSOL WIPES 908.39.104	$203.95	598.1	39	33
9/16/2019	WAREHOUSE PROG MNGR	$723.94	3627 CED	CODING TAPE	$723.94	594.1	39	17
9/16/2019	WAREHOUSE PROG MNGR	$81.94	ARNETT INDUSTRIES	APRON & ROTARY TIE HEAD	$81.94	593.2	32	14
9/16/2019	WAREHOUSE PROG MNGR	$250.54	AMERICAN SAFETY UTILITY	GROUND ROD DRIVER W/HANDLE	$250.54	594.1	32	14
9/16/2019	WAREHOUSE PROG MNGR	$68.96	JIMMY JOHNS - 2881	OT FOOD	$68.96	592	32	104
9/16/2019	WAREHOUSE PROG MNGR	$1,392.74	ARNETT INDUSTRIES	SUPER SQUEEZE & LANYARDS	$1,392.74	593.2	32	14
9/16/2019	WAREHOUSE PROG MNGR	$371.24	5858 COLUMBIA	CABLE TIES	$371.24	594.1	39	13
9/16/2019	WAREHOUSE PROG MNGR	$1,113.45	OFFICEWORLDCOM	HAND SANITIZER, COVERS, WIPES	$1,113.45	588	39	104
9/16/2019	WAREHOUSE PROG MNGR	$100.00	L2G*KENNEWICKFARP	FALSE ALARM CHARGE	$100.00	588	38	38
9/16/2019	WAREHOUSE PROG MNGR	$465.11	ZORO TOOLS INC	SAFETY GLASSES	$465.11	588	39	104
9/16/2019	WAREHOUSE PROG MNGR	$54.74	GRAINGER	EAR MUFFS	$54.74	588	39	104
9/16/2019	WAREHOUSE PROG MNGR	($201.02)	3627 CED	CABLE TIES CREDIT	-$201.02	594.1	39	13
9/16/2019	WAREHOUSE PROG MNGR	$201.02	3627 CED	CABLE TIES INCORRECT CHARGE 59410.39.104	$201.02	594.1	39	13
9/16/2019	WAREHOUSE PROG MNGR	$639.65	3627 CED	CABLE TIES 59410.39.104	$639.65	594.1	39	13
9/16/2019	ADMIN PROGRAM MANAGER	$223.34	TREASURE VALLEY COFFEE CO	Commission Room Supplies	$223.34	921	1	33
9/16/2019	ADMIN PROGRAM MANAGER	$20.00	UNITED WAY OF BENTON & FR	United Way - Stringer	$20.00	921	12	42
9/16/2019	ADMIN PROGRAM MANAGER	$20.00	UNITED WAY OF BENTON & FR	United Way - Sparks	$20.00	921	42	42
9/16/2019	ADMIN PROGRAM MANAGER	$93.22	INFINITE CONFERENCING INC	infinite conference call	$93.22	921	12	42

Payment Date	Department	Payment Amount	Vendor Name	Description	Transaction Amount	GL Account	Dept	Activity
9/16/2019	ADMIN PROGRAM MANAGER	$35.00	HANDLING PRA REQUESTS	training - PRA -	$35.00	921	1	43
9/16/2019	ADMIN PROGRAM MANAGER	$695.00	NWPPA	NWPPA - Sanders 930.20.01.042	$695.00	930.2	1	43
9/16/2019	ADMIN PROGRAM MANAGER	$0.00	OFFICE DEPOT #1078	office supplies	$66.72	921	1	33
9/16/2019	ADMIN PROGRAM MANAGER	$66.72	OFFICE DEPOT #1078	copier supplies - Executive	$491.50	921	15	29
9/16/2019	ADMIN PROGRAM MANAGER	$538.10	OFFICE DEPOT #1078	office supplies	$46.60	921	1	33
9/16/2019	ADMIN PROGRAM MANAGER	$75.00	TRI-CITY REGIONAL CHAMBER	Chamber - Hunter	$25.00	921	31	42
9/16/2019	ADMIN PROGRAM MANAGER	$0.00	TRI-CITY REGIONAL CHAMBER	Chamber - Stringer/Henderson	$50.00	921	1	33
9/16/2019	OPERATIONS PROSSER	$184.61	BROWNS TIRE CO	#112 rear tire for backhoe	$184.61	184.12	37	16
9/16/2019	OPERATIONS PROSSER	$10.13	PROSSER AUTOMOTIVE, INC	snap ring for backhoe	$10.13	184.12	37	16
9/16/2019	OPERATIONS PROSSER	$132.98	O'REILLY AUTO PARTS 4780	#73 alternator	$132.98	184.12	37	16
9/16/2019	OPERATIONS PROSSER	$25.03	CENTRAL MACHINERY - SUNNY	snapping pliers for backhoe	$25.03	184.12	37	16
9/16/2019	OPERATIONS PROSSER	$46.35	ACE HDWE	tools for trucks	$46.35	588	32	14
9/16/2019	OPERATIONS PROSSER	$1,540.02	UNITED RENTALS	backhoe rental	$1,540.02	107.1	32	18
9/16/2019	HUMAN RESOURCES	$325.79	SP * STAND STEADY	Employee Accommodation	$325.79	921	2	104
9/16/2019	HUMAN RESOURCES	$0.00	GOV'S IND SAFTEY & HEALTH	Training Expense & Travel	$450.00	921	2	43
9/16/2019	HUMAN RESOURCES	$0.00	GOV'S IND SAFTEY & HEALTH	Training Expense & Travel Purd	$225.00	588	38	43
9/16/2019	HUMAN RESOURCES	$0.00	GOV'S IND SAFTEY & HEALTH	Training Expense & Travel Kair	$225.00	588	32	43
9/16/2019	HUMAN RESOURCES	$1,125.00	GOV'S IND SAFTEY & HEALTH	Training Expense & Travel	$225.00	921	16	43
9/16/2019	HUMAN RESOURCES	$245.66	OFFICE DEPOT #1078	Misc Supplies & Expenses	$245.66	921	2	33
9/16/2019	HUMAN RESOURCES	$52.54	OFFICE DEPOT #1078	Misc Supplies & Expenses	$52.54	921	2	33
9/16/2019	HUMAN RESOURCES	$90.00	LOURDES OCC HEALTH	Med Cert for CDL	$90.00	926.1	2	104
9/16/2019	HUMAN RESOURCES	$209.00	LOURDES OCC HEALTH	Recruiting - Physical	$209.00	921	2	44
9/16/2019	HUMAN RESOURCES	$130.00	TOTAL CARE CLINICS	Med Cert for CDL	$130.00	926.1	2	104
9/16/2019	HUMAN RESOURCES	$130.00	TOTAL CARE CLINICS	Med Cert for CDL	$130.00	926.1	2	104
9/16/2019	HUMAN RESOURCES	$630.00	NWPPA	Business Expense & Travel	$630.00	921	2	42
9/16/2019	HUMAN RESOURCES	$509.68	TRI-CITY HERALD ADVERT	Recruiting Advertising	$509.68	921	2	44
9/16/2019	HUMAN RESOURCES	$75.55	OFFICE DEPOT #1078	Misc Supplies & Expenses	$75.55	921	2	33
9/16/2019	HUMAN RESOURCES	$209.00	LOURDES OCC HEALTH	Recruiting - Physical	$209.00	921	2	44
9/16/2019	HUMAN RESOURCES	$165.00	NWPPA	Recruiting Advertising	$165.00	921	2	44
9/16/2019	HUMAN RESOURCES	$167.23	NOVA MED- FOUNTAIN VIEW	Recruiting - Physical	$167.23	921	2	44
9/16/2019	HUMAN RESOURCES	$122.79	FRED-MEYER #0163	Business Expense & Travel	$122.79	921	2	42
9/16/2019	HUMAN RESOURCES	$130.00	TOTAL CARE CLINICS	Med Cert for CDL	$130.00	926.1	2	104
9/16/2019	HUMAN RESOURCES	$75.55	OFFICE DEPOT #1078	Misc Supplies & Expenses	$75.55	921	2	33
9/16/2019	HUMAN RESOURCES	$26.70	OFFICE DEPOT #1078	Misc Supplies & Expenses	$26.70	921	2	33
9/16/2019	HUMAN RESOURCES	$85.18	OFFICE DEPOT #1078	Misc Supplies & Expenses	$85.18	921	2	33
9/16/2019	HUMAN RESOURCES	$36.95	OFFICE DEPOT #1078	Misc Supplies & Expenses	$36.95	921	2	33
9/16/2019	TRANSFORMER SHOP	$240.77	BATTERIES PLUS #0250	recloser batteries	$240.77	595	35	17
9/16/2019	TRANSFORMER SHOP	$20.09	SCULTZ COMMUNICATIONS	alber battery shipping	$20.09	595	35	17
9/16/2019	TRANSFORMER SHOP	$334.88	THE HOME DEPOT 4739	tools truck 202	$334.88	595	35	17
9/16/2019	TRANSFORMER SHOP	$455.90	TRI-CITIES BATTERY	back -up battery bank	$455.90	595	35	17
9/16/2019	TRANSFORMER SHOP	$729.12	LAWSON PRODUCTS	small shop parts	$729.12	595	35	17
9/16/2019	TRANSFORMER SHOP	$27.10	BATTERIES PLUS #0250	mobile sub rtu	$27.10	595	35	17
9/16/2019	TRANSFORMER SHOP	$54.28	THE HOME DEPOT #4739	tarp	$54.28	595	35	17
9/16/2019	TRANSFORMER SHOP	$71.73	PLATT ELECTRIC 006	elec. breaker	$71.73	107.1	35	18
9/16/2019	TRANSFORMER SHOP	$49.52	GRAINGER	rubber gloves	$49.52	595	35	17
9/16/2019	TRANSFORMER SHOP	$24.70	FRED-MEYER #0163	bags for gloves	$24.70	595	35	17
9/16/2019	TRANSFORMER SHOP	$49.00	MAIL N STUFF	iol sample shipping	$49.00	595	35	17
9/16/2019	TRANSFORMER SHOP	$123.53	THE HOME DEPOT #4739	elec. parts	$123.53	107.1	35	18
9/16/2019	OPS SUPERINTENDENT	$75.11	INT CONCRETE & ASPHALT	gravel for cust. driveway	$75.11	107.1	32	18

	Business Agenda
	Second Reading
X	*Consent Agenda*
	Info Only/Possible Action
	Info Only

COMMISSION MEETING AGENDA ITEM

Subject:	Quit Claim – Olympia Estates	
Agenda Item No:	4d	
Meeting Date:	November 12th, 2019	
Presented by:	Mike Irving MWI	*Staff Presenting Item*
Approved by (dept):	Rick Dunn	*Director/Manager*
Approved for Commission review:	Chad Bartram CBB	*General Manager/Asst GM*

Motion for Commission Consideration:
Motion to approve conveying to the owners of record an easement recorded under Auditor's File Number 265131, records of Benton County, Washington, located in Section 14, Township 08 North, Range 29 East, W.M. per customer request.

Recommendation/Background
The District received a request to quit claim the easement on the property identified As Ten (10) feet on each side of a line extending west from the intersection of the center-lines of Ross and Owens roads a distance of 400 feet. Located in section 14, township 8N, Range 29E WM.
As area has fully developed and the District has no facilities in the easement it is recommended to quit claim this portion of the easement.

Summary
The District's interest in this easement no longer exists. The District no longer has facilities in this easement. Approving this motion will meet the request of the current property owner and allow for the owners to develop the property.

Fiscal Impact
Customer will pay the $200 recording fee for the Quit Claim in accordance with District's policy, resulting in no net fiscal impact to the District.

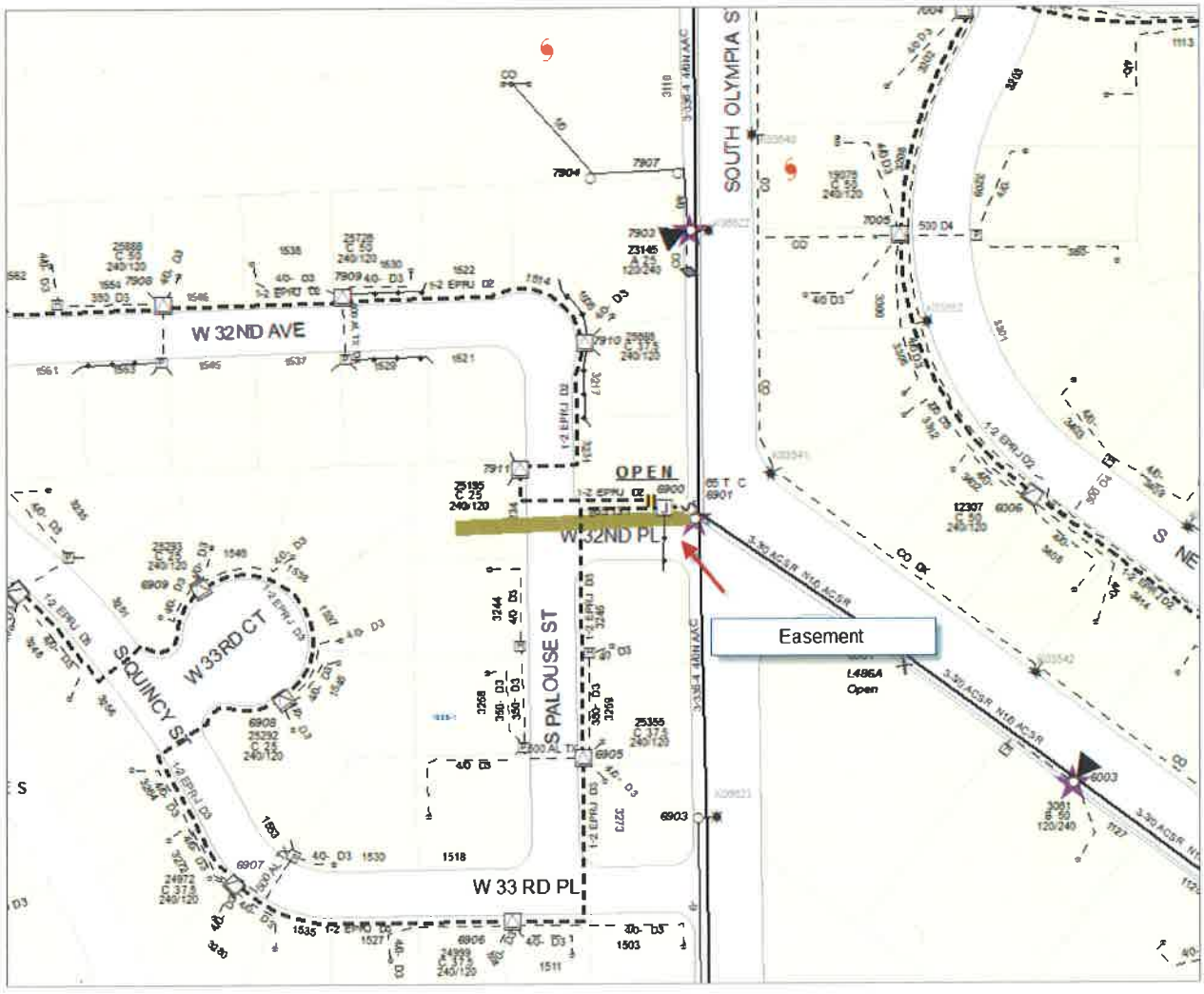
Projects to be presented at the Benton PUD Commission Meeting On November 12th, 2019

Project Name: Quitclaim – Olympia Estates **WO#:** 525612

Location: 3231 & 3234 S Palouse St.

Justification: Quit claim un-utilized easement per customer request.

Location Map



Return To: Benton P.U.D.
PO Box 6270
Kennewick, WA 99336

QUIT CLAIM DEED

The Grantor: PUBLIC UTILITY DISTRICT NO. 1 OF BENTON COUNTY, WASHINGTON for and in consideration of Mutual Covenants and Other Valuable Consideration, conveys and quit claims to OWNERS OF RECORD, the following described real estate, situated in the County of Benton, State of Washington:

Assessor's Property Tax Parcel Acct. #: 1-1489-116-0000-023, 1-1489-116-0000-001

Ten (10) feet on each side of a line extending west from the intersection of the center-lines of Ross and Owens roads a distance of 400 feet. Located in section 14, township 8N, Range 29 EWM.

This deed is given as a conveyance and abandonment of all right, title and interest in the above described property as acquired under that certain easement of record under Auditor's File Number # 265131, Records of Benton County, Washington.

Dated this ____day of _____, 20___.

PUBLIC UTILITY DISTRICT NO. 1 OF BENTON COUNTY, WASHINGTON

BY: _____
President

ATTEST: _____
Secretary

ACKNOWLEDGEMENT OF CORPORATION

STATE OF WASHINGTON

County of _____ } ss

On this _____ day of _____, 20 ____, before me, the undersigned, a Notary Public in and for the State of Washington, duly commissioned and sworn, certify that I know or have satisfactory evidence that _____ and _____ _____known to me to be the President and Secretary of the Commission of *Public Utility District No. 1 of Benton County* and said person(s) acknowledged that he/they signed this instrument as his/their free and voluntary act for the uses and purposes mentioned in the instrument.

Witness my hand an official seal hereto affixed the day and year first above written.

Notary Signature _____

My Commission Expires _____

NOTARY SEAL-Recordable Document, Please follow RCW 65.04

	Business Agenda
	Second Reading
X	*Consent Agenda*
	Info Only/Possible Action
	Info Only

COMMISSION MEETING AGENDA ITEM

Subject:	Billing Correction	
Agenda Item No:	4e	
Meeting Date:	November 12, 2019	
Presented by:	Christie McAloon	*Staff Presenting Item*
Approved by (dept):	Paula Ball	*Director/Manager*
Approved for Commission review:	Chad Bartram	*General Manager/Asst GM*

Motion for Commission Consideration:
Motion to approve refunding Mariah Smith for an overbilling for a period of ten months in the amount of $484.26.

Recommendation/Background
The customer notified Benton PUD in September of 2018 that three security lights on their property were not functioning. Benton PUD staff conducted a site visit and determined there was an underground fault under a cement slab which prevented the lights from operating. The customer was told our staff would work on resolving the issue to restore service to the security lights.

In November 2018, staff determined the circuit could not be rerouted and the customer would be required to dig a new trench and set a primary pole. The customer was a renter and did not have the approval or funding from the home owner to make the necessary improvements. Although the customer continued to communicate with staff, the account remained active and continued to bill each month until July 2019 when the lights were removed and retired.

Summary
Staff is requesting approval to issue a refund to the Mariah Smith in the amount of $484.26 representing the over billing for a period of ten months.

Fiscal Impact
There will be no fiscal impact. The refund will correct a billing error.

☐	*Business Agenda*
☐	*Second Reading*
✓	*Consent Agenda*
☐	*Info Only/Possible Action*
☐	*Info Only*

BENTON P·U·D

COMMISSION MEETING AGENDA ITEM

Subject:	Resolution No. 2578 Appointing a Person as Deputy Treasurer for the District	
Agenda Item No:	4f	
Meeting Date:	November 12, 2019	
Presented by:	Keith Mercer	*Staff Presenting Item*
Approved by (dept):	Jon Meyer JM	*Director/Manager*
Approved for Commission review:	Chad Bartram CBB	*General Manager/Asst GM*

Motion for Commission Consideration

Motion adopting Resolution No. 2578 Appointing Deputy Treasurer for the District effective November 12, 2019.

Recommendation/Background

On December 12, 2017, Katlin Homer was appointed as Deputy Treasurer effective January 1, 2018 via Resolution 2430. Katlin Homer was recently married and has legally changed her name to Katlin Grandgeorge. Resolution 2430 needs to be updated to incorporate the recent name change.

This resolution appoints Katlin Grandgeorge, formerly known as Katlin Homer, as Deputy Treasurer of the District.

Summary

This resolution updates the designation of Deputy Treasurer for the District.

Fiscal Impact

None

RESOLUTION NO. 2518

November 12, 2019

A RESOLUTION OF THE COMMISSION OF PUBLIC UTILITY DISTRICT NO. 1 OF BENTON COUNTY APPOINTING A DEPUTY TREASURER

WHEREAS, Resolution No. 2469 appointed a person as Treasurer of the District; AND

WHEREAS, the Treasurer from time to time may be unable to perform the duties of the Treasurer; AND

WHEREAS, the General Manager has recommended that a person be designated to assist the Treasurer on an as needed basis as determined by the General Manager, and to act as Treasurer during periods of absence of the Treasurer; AND

WHEREAS, Resolution 2430 appointed Katlin Homer as a Deputy Treasurer; AND

WHEREAS, due to a name change, it is necessary to update the resolution appointing the Deputy Treasurer.

NOW, THEREFORE, BE IT RESOLVED by the Commission of Public Utility District No. 1 of Benton County that Katlin Grandgeorge be appointed as Deputy Treasurer of the District, effective November 12, 2019.

This resolution supersedes Resolution No. 2430 dated December 12, 2017, appointing a Deputy Treasurer.

ADOPTED By the Commission of Public Utility District No. 1 of Benton County at an open meeting, with notice of such meeting being given as required by law, this 12th day of November 2019.

_____
Jeffrey D. Hall, President

ATTEST:

_____
Barry A. Bush, Secretary

BENTON P·U·D

	Business Agenda
	Second Reading
✓	*Consent Agenda*
	Info Only/Possible Action
	Info Only

COMMISSION MEETING AGENDA ITEM

Subject:	Resolution No. 2519 Designating Deputy Auditors for the District	
Agenda Item No:	4Q	
Meeting Date:	November 12, 2019	
Presented by:	Jon Meyer	*Staff Presenting Item*
Approved by (dept):	Jon Meyer JM	*Director/Manager*
Approved for Commission review:	Chad B. Bartram CBB	*General Manager/Asst GM*

Motion for Commission Consideration

Motion to adopt Resolution No. 2519 Designating Deputy Auditors for the District.

Recommendation/Background

This updated resolution removes reference to a staff member who changed positions and adds Brandon Oswalt who was hired in November as an appointed Deputy Auditor.

Summary

This resolution supersedes Resolution No. 2291 dated October 14, 2014 and updates the designation of Deputy Auditors for the District.

Fiscal Impact

None

RESOLUTION NO. 2519

November 12, 2019

A RESOLUTION DESIGNATING A PERSON(S) AS DEPUTY AUDITOR OF THE DISTRICT

WHEREAS, Resolution No. 2271 appointed the Auditor of the District; AND

WHEREAS, the Auditor from time to time may be unable to perform the duties of the Auditor; AND

WHEREAS, the General Manager has recommended that a person(s) be designated to assist the Auditor on an as needed basis as determined by the General Manager, and to act as Auditor during periods of absence of the Auditor.

NOW, THEREFORE, BE IT HEREBY RESOLVED that Kent Zirker remain appointed as a Deputy Auditor and Brandon Oswalt be appointed as a Deputy Auditor of the District.

This resolution supersedes Resolution No. 2291 dated October 14, 2014.

ADOPTED By the Commission of Public Utility District No. 1 of Benton County at an open meeting, with notice of such meeting being given as required by law, this 12th day of November 2019.

_____
Jeffrey D. Hall, President

ATTEST:

_____
Barry A. Bush, Secretary

BENTON P.U.D

☐	*Business Agenda*
☐	*Second Reading*
✓	*Consent Agenda*
☐	*Info Only/Possible Action*
☐	*Info Only*

COMMISSION MEETING AGENDA ITEM

Subject:	Resolution No. 2520 Approving the Authority to Issue Checks or Warrants & Initiate Electronic Funds Transfers (EFTs)	
Agenda Item No:	4h	
Meeting Date:	November 12, 2019	
Presented by:	Keith Mercer	*Staff Presenting Item*
Approved by (dept):	Jon Meyer JM	*Director/Manager*
Approved for Commission review:	Chad Bartram CBB	*General Manager/Asst GM*

Motion for Commission Consideration

Motion approving Resolution No. 2520, *Approving the Authority to Issue Checks or Warrants and Initiate Electronic Funds Transfers (EFTs)*, by District employees and Commission appointed positions effective November 12, 2019.

Recommendation/Background

This resolution updates the authority for persons designated to issue checks or warrants and initiate EFTs. This update is necessary due to personnel changes. It supersedes and replaces Resolution No. 2470, dated August 14, 2018.

Summary

Updated authority for issuing disbursements is needed due to personnel changes.

Fiscal Impact

None

RESOLUTION NO. 2520

November 12, 2019

A RESOLUTION OF THE COMMISSION OF THE PUBLIC UTILITY DISTRICT NO. 1 OF BENTON COUNTY APPROVING THE AUTHORITY TO ISSUE CHECKS OR WARRANTS AND INITIATE ELECTRONIC FUNDS TRANSFERS (EFT)

BE IT HEREBY RESOLVED By the Commission of Public Utility District No. 1 of Benton County, that the following employees and Commission appointed positions be authorized to issue checks or warrants and initiate electronic funds transfers effective November 12, 2019.

Employees and Commission appointed positions authorized to regularly issue checks or warrants and initiate electronic funds transfers are:

- Revenue Fund Checks or Warrants..... District Auditor (Jonathan L. Meyer), Deputy Auditors (Kent Zirker & Brandon Oswalt)
- Kennewick Revolving Fund Checks ..... Annette Cobb, Kim Berger
- Advance Travel Expense Account ..... Kent Zirker, Brandon Oswalt
- Wire Transfers..... District Treasurer (Keith A. Mercer), Deputy Treasurer (Katlin Grandgeorge)
- ACH Debit/Credit Transfers..... District Auditor (Jonathan L. Meyer), Deputy Auditors (Kent Zirker & Brandon Oswalt)

Employees authorized to issue checks or warrants and initiate electronic funds transfers in the absence of the employees who regularly issue/initiate said checks, warrants or electronic funds transfers are:

- Kennewick Revolving Fund Checks ..... Keith A. Mercer, Katlin Grandgeorge, Paula W. Ball
- Advance Travel Expense Account ..... Jonathan L. Meyer, Briana Herrington
- Wire Transfers..... Briana Herrington
- ACH Debit/Credit Transfers..... Keith A. Mercer, Katlin Grandgeorge, Briana Herrington

This Resolution supersedes and replaces Resolution No. 2470 dated August 14, 2018.

ADOPTED By the Commission of Public Utility District No. 1 of Benton County at an open meeting, with notice of such meeting being given as required by law, this 12th day of November 2019.

_____
Jeffrey D. Hall, President

ATTEST:

_____
Barry A. Bush, Secretary

BENTON P.U.D

	Business Agenda
	Second Reading
✓	*Consent Agenda*
	Info Only/Possible Action
	Info Only

COMMISSION MEETING AGENDA ITEM

Subject:	Resolution No. 2522, Authorizing the General Manager to enter into the Collective Bargaining Agreement	
Agenda Item No:	4i	
Meeting Date:	November 12, 2019	
Presented by:	Chad B. Bartram	*General Manager*
Approved by (dept):	Chad B. Bartram	*General Manager*
Approved for Commission review:	Chad B. Bartram CBB	*General Manager*

Motion for Commission Consideration
Motion to adopt Resolution No. 2522, Authorizing the General Manager to enter into the Collective Bargaining Agreement (CBA).

Recommendation/Background
In accordance with Resolution No. 1930, the General Manager is authorized to enter collective bargaining between the District and the International Brotherhood of Electrical Workers (IBEW), Local No. 77.

The General Manager has determined that the CWPU UIP Joint Tentative Agreement and the Local Tentative Agreement are appropriate settlements of this collective bargaining session.

Summary
Recommend the Commission adopt Resolution No. 2522, Authorizing the General Manager to enter into the Collective Bargaining Agreement.

Fiscal Impact
All changes will be reflected in the final 2020 budget approved by Commission.

RESOLUTION NO. 2522

November 12, 2019

A RESOLUTION AUTHORIZING THE GENERAL MANAGER TO ENTER INTO THE COLLECTIVE BARGAINING AGREEMENT BETWEEN PUBLIC UTILITY DISTRICT NO. 1 OF BENTON COUNTY AND INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS, LOCAL NO. 77

WHEREAS, There is currently in effect a Collective Bargaining Agreement ("CBA") between Public Utility District No. 1 of Benton County (the "District") and the International Brotherhood of Electrical Workers, Local No. 77 ("IBEW") who represents certain District employees, with a termination date of March 31, 2020; AND

WHEREAS, On January 30, 2007, Resolution No. 1930, was adopted authorizing the General Manager to enter into collective bargaining between the District and IBEW; AND

WHEREAS, Central Washington Public Utilities ("CWPU"), of which the District is a Member, and the IBEW, executed a Joint Tentative Agreement regarding the Unified Insurance Program ("UIP") health and wellness benefits dated September 4, 2019; AND

WHEREAS, The District and the IBEW, executed a Local Tentative Agreement dated October 11, 2019; AND

WHEREAS, The General Manager has determined that the CWPU UIP Joint Tentative Agreement and the Local Tentative Agreement are appropriate settlements of this collective bargaining session; AND

WHEREAS, On October 28, 2019, the IBEW communicated to District management that District represented employees had, in majority, voted to ratify the CWPU UIP Joint Tentative Agreement and the Local Tentative Agreement; AND

WHEREAS, It was agreed upon to increase the General Wage Increases (GWI) for all represented titles as follows: Three percent (3.0%) GWI (effective April 1, 2020); 3.0% GWI (effective April 1, 2021); and 3.0% GWI (effective April 1, 2022); AND

WHEREAS, Due to current market conditions, attracting and retaining Apprencticeable Craft titles has been highly competitive throughout the western U.S. due to a high demand for utility Apprenticeable Craft workers; AND

WHEREAS, That in order to remain competitive based on comparative Apprenticeable Craft market data, it is in the District's best interest to provide the following market adjustments to all Apprenticeable Craft titles documented by Letter of Agreement (LOA) between IBEW and the District as follows: Two point six percent (2.6%) effective January 1, 2020, and one percent (1.0%) effective April 1, 2021; AND

WHEREAS, That in order to remain competitive based on comparable benefit programs in the Northwest utility sector, it is in the District's best interest to provide to all employees effective January 1, 2020 a one percent (1%) increase to the District's established Deferred Compensation Plan of the employee's regular straight-time wages per pay period, removing the "employee match" requirement of the Plan, and providing an additional fifty dollar ($50) monthly employer contribution to the employee's HRA VEBA account; AND

NOW THEREFORE BE IT RESOLVED By the Commission of Public Utility District No. 1 of Benton County that the General Manager be authorized, on behalf of the District, to enter into an LOA specifying market adjustments for Apprenticeable Craft titles and a successor Collective Bargaining Agreement between Public Utility District No. 1 of Benton County and the International Brotherhood of Electrical Workers, Local No. 77, commencing on April 1, 2020 and concluding on March 31, 2023, in conformance with the Joint Tentative Agreement dated September 4, 2019 and the Local Tentative Agreement dated October 11, 2019.

BE IT FURTHER RESOLVED By the Commission that the General Manager be authorized to make changes to the District's benefit programs in accordance with both Tentative Agreements.

BE IT FURTHER RESOLVED By the Commission of Public Utility District No. 1 of Benton County that the General Manager is directed to provide a copy of the finalized Collective Bargaining Agreement to the Commission when published.

ADOPTED by the Commission of Public Utility District No. 1 of Benton County, Washington, at an open public meeting as required by law this 12th day of November 2019.

Jeffrey D. Hall, President

ATTEST:

Barry A. Bush, Secretary

	Business Agenda
	Second Reading
X	*Consent Agenda*
	Info Only/Possible Action
	Info Only

COMMISSION MEETING AGENDA ITEM

Subject:	Contract Change Order #7 – NoaNet – Contract #10-46-12	
Agenda Item No:	4j	
Meeting Date:	November 12, 2019	
Presented by:	Chris J. Folta	*Staff Presenting Item*
Approved by (dept):	Chris J. Folta	*Director/Manager*
Approved for Commission review:	Chad B. Bartram	*General Manager/Asst GM*

Motion for Commission Consideration

Motion to authorize the General Manager on behalf of the District to sign Change Order #7 of Contract #10-46-12 with NoaNet, to extend the term of the contract to December 31, 2020 and increase the not-to-exceed amount by $17,520.00; bringing the new not-to-exceed amount to $182.360.00.

Background

Contract #10-46-12 with NoaNet provides a physical space in Verizon's co-location facilities in Kennewick for the interconnection of the District's fiber-optic network to telecommunications lines outside of our service area. The co-location services are essential for the operation of the District's broadband network as it is currently configured. The co-location services have been in place since 2010 at a monthly recurring charge of $1,460 ($17,520 annually). This rate will continue to apply through the recommended new term of the contract which is December 31, 2020. NoaNet provides these services to the District as a pass-through expense to cover their charges from Verizon.

Summary

Approving change order #7 to contract #10-46-12 will allow the District to continue to support our local broadband network operations as well as provide our retail service providers with connectivity outside of the District's service area.

Fiscal Impact

The annual expense of $17,520 associated with contract #10-46-12 has been included in the 2020 Broadband budget.

Contract Change Order

2721 W. 10th Ave.
PO Box 6270
Kennewick, WA 99336

1. Contract Change No.	2. Contract No.	3. Effective Date
7	10-46-12	January 1, 2020

4. Contract Name & Address	5. Contract Cost Adjustment – This Change Only
NoaNet 5802 Overlook Ave., NE Tacoma, WA 98422	_X_ - INCREASE $17,520.00 ____ - DECREASE $ + Washington State Sales Tax
	6. Contract Schedule Adjustment – This Change Only New Expiration Date: **December 31, 2020**

7. Description of Changes:

Extend the term of the contract to December 31, 2020 and increase the not-to-exceed amount by $17,520.00; bringing the new not-to-exceed amount of the contract to $182,360.00.

EXCEPT AS PROVIDED HEREIN, ALL TERMS AND CONDITIONS OF THE CONTRACT REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT

8. Name of Contractor (Print or Type)	9. Benton PUD (Print or Type)
Signature _____	Signature _____
By _____	By Chad B. Bartram
Title _____	Title General Manager
Date _____	Date November 12, 2019

BENTON P·U·D

	Business Agenda
	Second Reading
X	*Consent Agenda*
	Info Only/Possible Action
	Info Only

COMMISSION MEETING AGENDA ITEM

Subject:	Contract CO #2 – Oracle America, Inc. – Contract #17-18-10	
Agenda Item No:	4K	
Meeting Date:	November 12, 2019	
Presented by:	Jennifer Holbrook	*Staff Presenting Item*
Approved by (dept):	Chris J. Folta CJF	*Director/Manager*
Approved for Commission review:	Chad B. Bartram CBB	*General Manager/Asst GM*

Motion for Commission Consideration

Motion to authorize the General Manager on behalf of the District to sign Change Order #2 of Contract #17-18-10 with Oracle America, Inc., to increase the not-to-exceed amount by $71,823.90; bringing the new not-to-exceed amount of the contract to $284,668.99.

Background

The District entered into this contract in November of 2017 to provide software support and maintenance for its Oracle database technologies through December 31, 2022. Staff has reviewed all database needs since the migration to NISC and has determined that for the next calendar year we will be reducing our database licenses by half. The NISC suite of software does not require the number of licenses previously needed. An evaluation of this type will be conducted every year to ensure that the number of licenses supports the current technology stack. Oracle has provided the attached quote for calendar year 2020 which reflects the reduction in licenses.

Summary

Entering into this agreement will ensure the District can continue to operate and receive support for the databases which support the business applications. This agreement provides the District ongoing technical support from Oracle, along with upgrades to our products at no cost.

Fiscal Impact

The costs for this contract have been included in the proposed 2020 budget for Department 18 Resource 025.

ORACLE

GENERAL INFORMATION

OFFER EXPIRATION		ORACLE: Oracle America, Inc.	
Support Service Number:	5077031	Oracle Contact Information: Oracle Premier Support Renewal Center	
Offer Expires:	31-Dec-19	Call:	1-888-545-4577
		Chat:	Chat on Store
		Request Assistance:	Click to Request Assistance
CUSTOMER: BENTON PUD			
CUSTOMER QUOTE TO		CUSTOMER BILL TO	
Account Contact:	Jennifer Holbrook	Account Contact:	Accounts payable.
Account Name:	BENTON PUD	Account Name:	BENTON PUD
Address:	2721 W. 10th Ave Kennewick WA 99336 United States	Address:	PUD NO 1 OF BENTON CO P.O. Box 6270 KENNEWICK WA 99336 United States
Telephone:		Telephone:	--
Fax:		Fax:	
E-mail:	holbrooj@bentonpud.org	E-mail:	@

"You" and "Your" as referenced in this ordering document refers to the Customer identified in the table above.

Oracle may provide certain notices about technical support services via e-mail. Accordingly, please verify and update the Customer Quote To and Customer Bill To information in the above table to help ensure that You receive such communications from Oracle. If changes are required to the Customer Quote To and Customer Bill To information, please e-mail or fax the updated information, with Your support service number 5077031, to Your Oracle Support Sales Representative identified in the table above.

SERVICE DETAILS

Program Technical Support Services							
Service Level:	**Software Update License & Support**						
Product Description	**CSI #**	**Qty**	**License Metric**	**License Level / Type**	**Start Date**	**End Date**	**Price**
Oracle Database Enterprise Edition - Processor Perpetual	18841083	6		FULL USE	1-Jan-20	31-Dec-20	71,032.97

Program Technical Support Fees: USD 71,032.97

Program Technical Support Services							
Service Level:	**Software Update License & Support**						
Product Description	**CSI #**	**Qty**	**License Metric**	**License Level / Type**	**Start Date**	**End Date**	**Price**
Oracle System Monitoring Plug-in for Non Oracle Databases for Microsoft SQL Server - Named User Plus Perpetual	20738148	170		FULL USE	1-Jan-20	31-Dec-20	790.93

Program Technical Support Fees: USD 790.93

Total Price: USD 71,823.90

Plus applicable tax

Please note the following:

- If You have questions regarding the Service Details section of this ordering document, or believe that corrections are required, please contact Your Oracle Support Sales Representative identified on the first page of this ordering document.
- Please review Oracle's technical support policies, including the Lifetime Support Policy, before entering into this ordering document. Under Oracle's Lifetime Support Policy, the support level for an Oracle product, if applicable, may change during the term of the services purchased under this ordering document. If extended support is offered, an additional fee will be charged for such support if ordered. If You would like to purchase extended support please contact Your Oracle Support Sales Representative identified on the first page of this ordering document.
- If Oracle accepts Your order, the start date set forth in the Service Details table above shall serve as the commencement date of the technical support services and the technical support services ordered under this ordering document will be provided through the end date specified in the table for the applicable programs and/ or hardware ("Support Period").
- If any of the fields listed in the Service Details table above are blank, then such fields do not apply for the applicable programs and/or hardware for which You are purchasing technical support services.

TECHNICAL SUPPORT SERVICES TERMS

If the Customer and the Customer Quote To name identified in the General Information table above are not the same, BENTON PUD represents that Customer has authorized BENTON PUD to execute this ordering document on Customer's behalf and to bind Customer to the terms described herein. BENTON PUD agrees that the services ordered are for the sole benefit of Customer and shall only be used by Customer. BENTON PUD agrees to advise Customer of the terms of this ordering document as well as any communications received from Oracle regarding the services.

If the Customer and the Customer Bill To name identified in the General Information table above are not the same, Customer agrees that: a) Customer has the ultimate responsibility for payments under this ordering document; and, b) any failure of BENTON PUD to make timely payment per the terms of this ordering document shall be deemed a breach by Customer and, in addition to any other remedies available to Oracle, Oracle may terminate Customer's technical support service under this ordering document.

Technical support is provided under Oracle's technical support policies in effect at the time the services are provided. The technical support policies are subject to change at Oracle's discretion; however, Oracle will not materially reduce the level of services provided for supported programs and/or hardware during the period for which technical support has been paid, or for U.S. federal and public sector entities, the period for which services have been ordered. You should review the technical support policies prior to entering into this ordering document. The current version of the technical support policies may be accessed at http://www.oracle.com/us/support/policies/index.html.

The technical support services acquired under this ordering document are governed by the terms and conditions of the US-PS-TSSA-1522290 ("agreement"). Any use of the programs and/or hardware, which includes updates and other materials provided or made available by Oracle as part of technical support services, is subject to the rights granted for the programs and/or hardware set forth in the order in which the programs and/or hardware were acquired.

This ordering document incorporates the agreement by reference. In the event of inconsistencies between the terms contained in this ordering document and the agreement, this ordering document shall take precedence.

ORDER PROCESSING DETAILS

Your order is subject to Oracle's acceptance. Your order is deemed to be placed when You provide Oracle with details for payment (e.g., Your purchase order, Your check, or a credit card confirmation for the order as detailed below) or an executed Oracle Financing contract. Once placed, Your order shall be non-cancelable and the sums paid nonrefundable, except as provided in the agreement.

Please note that unless You are a U.S. federal government or public sector entity, if the pre-tax value of this ordering document is USD $2,000 or less, the technical support services ordered (i) must be paid by credit card; or (ii) You must renew Your support via the Oracle Store. Please contact Your Oracle Support Sales Representative for details regarding renewing Your support via the Oracle Store.

Technical Support fees are invoiced Full in Advance. All fees payable to Oracle are due within NET 30 DAYS from date of invoice.

Oracle will issue an invoice to You upon receipt of a purchase order or a form of payment acceptable to Oracle. If You are an U.S. federal government or public sector entity, Oracle will issue You an invoice quarterly in arrears after the services are performed. You agree to pay any sales, value-added or other similar taxes imposed by applicable law, except for taxes based on Oracle's income.

Unless you are an U.S. federal government entity, Oracle's invoice includes applicable sales tax, GST, or VAT (collectively referred to as "tax"). If BENTON PUD is a tax exempt organization and is not an U.S. federal government entity, a copy of BENTON PUD's tax exemption certificate must be submitted with BENTON PUD's purchase order, credit card or other acceptable form of payment.

PAYMENT DETAILS

Purchase Order
If You are submitting a purchase order for the payment of the renewal of the technical support services on this renewal order, the purchase order must be in a non-editable format (e.g., PDF) and include the following information:

- Support Service Number: 5077031
- Total Price: USD 71,823.90 (excluding applicable tax)
- Local Tax, if applicable

In issuing a purchase order, BENTON PUD agrees that the terms of this renewal order and the agreement supersede the terms in the purchase order or any other non-Oracle document, and no terms included in any such purchase order or other non-Oracle document will apply to the technical support services renewed under this renewal order.

Please contact Oracle per the General Information section above to issue Your purchase order.

Credit Card
If You wish to use a credit card to pay for the renewal of the technical support services on this renewal order, please contact Oracle per the General Information section above. Please note that Oracle is unable to process credit card transactions of USD $100,000 or greater or transactions that are not in USD.

Check
If the technical support services on this ordering document will be ordered and paid by check, the check must include the following information:

- Support Service Number: 5077031
- Total Price: USD 71,823.90 (excluding applicable tax)
- Local Tax, if applicable

In issuing a check, BENTON PUD agrees that only the terms of this ordering document and the agreement shall apply to the technical support services ordered under this ordering document. No terms attached or submitted with the check shall apply.

Please mail check payments in accordance with the Remittance Details section below.

Checks for technical support services renewed under this renewal order should be sent to:

AK, AZ, CA, HI, ID, NV, OR, UT, WA:

Oracle America, Inc
PO Box 44471
San Francisco, CA 94144-4471

All Other States:

Oracle America, Inc
PO Box 203448
Dallas, TX 75320-3448

	Business Agenda
	Second Reading
X	*Consent Agenda*
	Info Only/Possible Action
	Info Only

COMMISSION MEETING AGENDA ITEM

Subject:	Contract Award Recommendation – National Information Solutions Cooperative (NISC) – Contract #20-18-01	
Agenda Item No:	4L	
Meeting Date:	November 12, 2019	
Presented by:	Jennifer Holbrook	*Staff Presenting Item*
Approved by (dept):	Chris J. Folta CJF	*Director/Manager*
Approved for Commission review:	Chad B. Bartram CBB	*General Manager/Asst GM*

Motion for Commission Consideration

Motion authorizing the General Manager on behalf of the District to sign Contract #20-18-01 with NISC, to track all costs and match up invoices for payment for a not-to-exceed amount of $739,914.00 plus Washington State sales tax, with an expiration date of December 31, 2020.

Background

The District originally entered in contract #15-18-01 with NISC on September 8, 2015 to provide an integrated suite of software applications. Pursuant to the terms of that contract NISC sends the District invoices for all goods and services they provide, including recurring software costs, bill printing costs, online banking fees and any paper supplies such as forms, envelopes and bills inserts that District staff order.

Due to software limitations, and the desire to use the online invoice approval workflow that is built within the iVUE ABS application, one purchase order is required to track all of these costs and match up invoices for payment. These costs have been budgeted for in multiple departments across the District in the 2020 Operating budget.

Summary

Issuing this purchase order to NISC will allow for administrative ease for matching invoices and routing them for approval by the appropriate department manager. This purchase order will cover budgeted costs for the 2020 calendar year.

Fiscal Impact

Staff has budgeted for the costs in respective budgets as detailed below:

PO Line	Department/Activity	GL Acct	Description	Amount
1	44-030	903.00	Bill Print – Postage	$172,000
2	44-030	903.00	Bill Print – Printing & Inserting	$122,900
3	11-033	921.00	Misc. Paper Supplies	$1000
4	12-119	903.00	Bill Inserts/Marketing Materials	$33,264
5	16-046	921.00	Online Bank Transactions	$5750
6	18-025	53% - 921.00 12% - 903.00 8% - 902.00 27% - 588.00	Recurring Software Fees	$350,000
7	18-061	107.10 WO#557504, BU Project 31	NISC Enhancements (capital)	$50,000
8	18-061	921.00	NISC Misc. Programming (expense)	$5,000
			Total:	$739,914

	Business Agenda
	Second Reading
X	*Consent Agenda*
	Info Only/Possible Action
	Info Only

COMMISSION MEETING AGENDA ITEM

Subject:	Contract Award Recommendation, 15kV Triplex Cable, Bid Package #19-15	
Agenda Item No:	4m	
Meeting Date:	November 12, 2019	
Presented by:	Evan Edwards	*Staff Presenting Item*
Approved by (dept):	Rick Dunn	*Director/Manager*
Approved for Commission review:	Chad B. Bartram	*General Manager/Asst GM*

Motion for Commission Consideration

Motion to award the contract for 15kV Triplex Cable, Bid Package #19-15 to WESCO / Okonite of Portland, OR for the total amount of $162,720.00 plus Washington State sales tax in accordance with RCW 54.04.080.

Background

Bids were opened on Tuesday October 29, 2019 for 8,000 ft of 15 kV Triplex EPR 1000 kcmil Cable for District stock. Bids were received as follows:

Vendor/Mfr	Unit Pricing ($/1000')	Reel Deposit	Total Price for this bid	Exceptions to BPUD spec	Delivery
Wesco / Okonite	$20,340	$3,000/reel	$122,040 (Corrected $162,720)	No	13-14 weeks

At bid opening an administrative error was discovered. It appeared the vendor had miscalculated the total cost using 6,000' instead of 8,000' as requested. Clarification was requested by District Staff and the vendor acknowledged that a miscalculation had occurred. The miscalculation did not affect the unit pricing but did increase the total price. The total price does not exceed the engineer's estimate.

The engineers estimate was $21,950 per 1000 ft, or $175,600 for 8,000 ft.

Summary

Acquiring this distribution cable will replenish the District's warehouse inventory for anticipated and unexpected customer requested primary line extensions and underground cable replacement.

Fiscal Impact

In an average year, the district typically can use between 5,000 - 25,000 feet of 1000 kcmil 15kV Triplex cable. The purchase of this cable will replenish the District's warehouse inventory to a level recommended by staff. Costs for cable will impact the District's 2019 operating budget as part of projects that are completed throughout the year.

CONTRACT

Contract #19-15

This agreement is made and entered into on the _____ day of _____, 201_, by and between:

PUBLIC UTILITY DISTRICT NO. 1 OF BENTON COUNTY, hereinafter referred to as "the District",

AND

WESCO, hereinafter referred to as "the Contractor"

WITNESSETH:

That the Contractor, for the consideration hereinafter fully set out, and the District, for the consideration of material furnished, agrees that:

1. SCOPE OF WORK: Furnish 15kV Triplex Cable per specifications in Bid Pkg. #19-15, P.O. #_____, and award letter dated November _____.

2. DELIVERY & ACCEPTANCE:

The Contractor shall deliver the 15kV Triplex Cable F.O.B. destination to Benton PUD by 13-14 weeks; failure to do so may result in damage to the District.

Testing and Acceptance of conforming items by Benton PUD shall occur within the number of days after delivery as specified in the bid specification (if applicable). Items that fail to meet acceptance criteria as specified in the bid specifications shall be rejected. Acceptance or rejection by the District to the Contractor shall be in writing.

3. PAYMENT:

Payment will be made within thirty days of Acceptance by the District or receipt of a valid invoice from the Contractor, whichever occurs later.

The District agrees to pay the Contractor for the material/equipment the sum of One Hundred Sixty Two Thousand Seven Hundred Twenty Dollars ($162,720.00), plus applicable Washington State Sales Tax.

4. GUARANTEE:

The Contractor guarantees the 15kV Triplex Cable against all defects in workmanship, materials, and in design as stated on the warranty provided by Okonite.

5. PERFORMANCE BOND:

The Contractor shall furnish, in favor of the District, a Performance Bond as required by the Contract Documents, and this Contract shall not obligate the District until such Performance Bond has been tendered.

The District is a public entity subject to the disclosure requirements of the Washington Public Records Act of RCW 42.56. The vendor expressly acknowledges and agrees that its proposal and any information vendor submits with its proposal or which vendor submits to the District in its performance of any contract with the District is subject to public disclosure pursuant to the Public Records Act or other applicable law and the District may disclose vendor's proposal and/or accompanying information at its sole discretion in accordance with its obligations under applicable law.

The District must comply with the Preservation and Destruction of Public Records RCW 40.14. The vendor expressly acknowledges and agrees that it will maintain all records and documentation related to the contract in accordance with its obligations under applicable law.

In the event that the District receives a request pursuant to the Washington Public Records Act, or other legal process requesting or mandating disclosure of any information or documents submitted to the District by vendor, the District's sole obligation shall be to notify the vendor promptly, so that the vendor at vendor's expense and cost, may seek court protection of any of the requested information vendor deems confidential.

IN WITNESS WHEREOF, the parties hereto have duly executed this Agreement.

WESCO	**PUBLIC UTILITY DISTRICT NO. 1 OF BENTON COUNTY**
_____	Chad B. Bartram, General Manager
Authorized by: (Print name & title)	Authorized by: (Print name & title)
Signature: _____	Signature: _____
Date: _____	Date: November 12, 2019
UBI No. _____	

	Business Agenda
	Second Reading
X	*Consent Agenda*
	Info Only/Possible Action
	Info Only

COMMISSION MEETING AGENDA ITEM

Subject:	Identity Theft Protection and Prevention Program – Annual Report	
Agenda Item No:	4n	
Meeting Date:	November 12, 2019	
Presented by:	Christie McAloon CMC	*Staff Presenting Item*
Approved by (dept):	Paula Ball	*Director/Manager*
Approved for Commission review:	Chad Bartram CBB	*General Manager/Asst GM*

Motion for Commission Consideration:
None

Recommendation/Background
The District recognizes the responsibility to safeguard personal customer information in the workplace. The Identity Theft Protection and Prevention Policies of the District, Resolution No. 2011, utilize guides set forth in the Fair & Accurate Credit Transaction Act of 2003 (FACTA) and have been in place since 2008.

Per the Benton PUD Identity Theft Protection & Prevention Program, the following information is provided as an annual update:

- No incidents of identity theft have been reported to have occurred
- No material issues related to the program have emerged

Summary
There were no incidents of identity theft or material issues related to the program during the past year.

Fiscal Impact
None

BENTON P·U·D

	Business Agenda
	Second Reading
x	*Consent Agenda*
	Info Only/Possible Action
x	*Info Only*

COMMISSION MEETING AGENDA ITEM

Subject:	Strategic Plan – Navigating Change – 2019 Addendum – Third Quarter Report	
Agenda Item No:	4O	
Meeting Date:	November 12, 2019	
Presented by:	Steve Hunter SHT	*Staff Presenting Item*
Approved by (dept):	Steve Hunter	*Director/Manager*
Approved for Commission review:	Chad Bartram CBB	*General Manager/Asst GM*

Motion for Commission Consideration:

None.

Recommendation/Background

I recommend an agenda item be included in the Commission packets summarizing staff's progress on the actions for the Strategic Plan – Navigating Change – 2019 Addendum.

Summary

The Leadership Team, Managers, and Supervisors have provided updates to the Strategic Plan action items. The attached report has been reviewed by the Leadership Team and it summarizes activities for the third quarter of 2019.

Fiscal Impact

No fiscal impact to this report.

SBH/das

att.

2019 Strategic Plan Progress

Strategic Anchor: Customer Value

We create and maximize customer value by providing cost-effective, efficient and quality service.

1. Become the trusted energy partner.
2. Preserve long-term fiscal sustainability.
3. Preserve federal power system benefits.
4. Maintain a world-class broadband system.
5. Advocate for our low income customers.

1. - Enable additional customer payment options including kiosks and prepay services.

Q3 - As of October 16th, 52 customers are enrolled in Pay As You Go. CSRs are offering the program to new and existing customers. Enrollment numbers are expected to increase in Q4 when marketing of the program begins. Staff is also working on the implementation of Round Up, scheduled for Go Live in Q4. Round Up enrollment will be offered online via SmartHub.

Q1 - Prepaid Services are being developed, with the Pay As You Go program currently in the testing phase. The pilot is scheduled to run through May, with go live pending Commission approval on May 28, 2019. Staff is working on iVUE Configuration, testing and draft policies for Commission consideration (redline 5/14, 5/28). The team is currently testing the configuration with three pilot program participants. Customer Email and text messaging for each account event were written and tested. A communication plan including print articles, social media, video, radio, bill inserts and marketing material has been written. The name Pay As You Go was selected for the program. Customer facing documentation including the Customer Agreement and FAQs were drafted and are being reviewed. CSR training material including prepaid calculator to assist during enrollment were developed and are being finalized. The team met with Community Action Connection staff to discuss the impacts of the program on low income customers.

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10. - Maintain the District's leadership profile in public power organizations to monitor and influence issues that have a significant impact on District customers including, but not limited to:

a. - BPA budgets and rates.

Q3 - BPA issued their final record of decision for the BP-20 rate case on July 25, 2019. The final average base power rate increase was held flat compared to BP-18. The financial reserves misallocation review process is complete and after reviewing other modules of their cash split process, it was determined that there were errors in other modules that reduced the amount of reserves to be transferred from the Transmission business unit to the Power business unit. The Financial Reserve Policy (FRP) surcharge is now very likely to be triggered in BPA's fiscal years 2020 and 2021, which results in a charge of approximately $640,000 each year for Benton PUD. The FRP surcharge process takes place after the closing of each fiscal year once actual year-end cash reserves are known.

Q2 - BPA issued their draft record of decision for the BP-20 rate case on June 13, 2019. The proposed average base power rate increase was reduced to 0.0%, down from a proposed 1.4% increase in the initial proposal issued December 6, 2018. There is still a possibility for a Financial Reserve Policy (FRP) surcharge in BPA's fiscal year 2020 and 2021. The initial proposal indicated the maximum FRP surcharge would be needed, which equated to a 1.5% increase. However, with the recent discovery of the misallocation of reserves between the Power and Transmission business units, the probability of an FRP surcharge has been significantly reduced. BPA will make a determination on the need for an FRP surcharge once they have calculated their fiscal year-end reserves for each business unit, including the necessary transfers between business units to correct the historical misallocation of reserves.

Q1 - BPA discovered an issue related to the allocation of their reserves for risk between the Power and Transmission business units. BPA held a workshop on March 11 to provide additional information about the issue and their initial leaning for correcting the issue. Their initial leaning would result in $330 million in reserves for risk being transferred from the Transmission business unit to the Power business unit. The Power

business unit reserves for risk would be higher than the Financial Reserves Policy surcharge threshold with the transfer and would result in an estimated reduction of the District's projected net power cost by about $0.6 million per year in the upcoming BPA rate period (BPA FY20/21). BPA is having a third party review of their analysis to ensure the accuracy of the proposed correction prior to making a final decision on the transfer of reserves. Their current timeline shows a final decision and transfer by the end of their fiscal year (September 30, 2019).

b. - Energy imbalance markets and CAISO expansion.

Q3 - On September 26, 2019, BPA issued a record of decision to sign a Western Energy Imbalance Market (EIM) implementation agreement with the California Independent System Operator (CAISO). Signing the EIM implementation agreement does not obligate BPA into joining the EIM; however, it is needed to establish a high-level project plan and schedule with CAISO. BPA will develop a plan with CAISO and begin the necessary grid modernization and technology projects necessary to begin participation in the EIM on April 1, 2022. Signing the implementation agreement also gives BPA the opportunity to be a part of the California Extended Day Ahead Market (EDAM) discussions and can have a voice in how the market is developed and implemented.

Q2 - On June 20, 2019, BPA issued a letter to the region proposing to move forward with signing a Western Energy Imbalance Market (EIM) implementation agreement with the California Independent System Operator (CAISO) in September. Signing the EIM implementation agreement does not obligate BPA to joining the EIM; however, it is needed to establish a high-level project plan and schedule with CAISO. BPA held a series of monthly educational stakeholder meetings and provided an updated cost/benefit analysis completed by Energy and Environmental Economics, Inc. (E3). The cost/benefit analysis results showed an estimated annual net benefit range between $29 million and $34 million. The initial incremental startup costs were estimated to range between $30 million and $35 million. In addition to the net revenue benefits, BPA stated there are significant benefits for transmission reliability and operations due to better visibility and congestion management associated with participating in the EIM. If BPA ultimately signs the EIM implementation agreement in September, additional stakeholder processes will be held for policy development and changes to rates in the TC-22 and BP-22 rate cases.

Q1 - BPA continues to contemplate its future participation in the EIM and is holding monthly stakeholder meetings to help customers understand the implications of BPAâ€™s participation. These stakeholder meetings are leading up to a Record of Decision planned for September 2019, which will determine if the agency will sign an implementation agreement with the CAISO and kick-off other implementation work that must occur before BPA could join the EIM. Prior to issuing this Record of Decision, BPA has focused the stakeholder discussions on customer education and scoping of operational issues. Discussions on cost and risk allocation are being deferred until BP-22 pre-rate case workshops, likely to start in the spring of 2020.

c. - Value of hydropower

Q3 - Benton PUD has been engaged with Northwest RiverPartners as the organization continues to develop messaging and work through a rebranding effort.

Q2 - Benton PUD recently joined the Pacific Northwest Waterways Association (PNWA) and contributed to their statewide campaign communicating the value of the Snake River dams. We have also been active participants in Northwest RiverPartners as they update fact sheets and develop messaging. Staff attended a listening session held by Congressman Dan Newhouse on the Snake River dams and their effects on Central Washington and the Pacific Northwest. Panelists participating were from PNWA, Washington Policy Center and there was a dam operator. This session was well attended by members of the community. In concert with other local utilities, Commissioners passed Resolution 2505 in support of the FCRPS and four lower Snake River dams.

Q1 - Benton PUD collaborated with TRIDEC's Water, Power & Dams (WPD) Committee on a letter to the Governor requesting that he remove $750,000 to study the impacts of potential breaching or removal of the lower Snake River dams from his proposed budget. Staff also worked with TRIDEC WPD Committee on a human interest story and Op Ed published in the Seattle Times. We received great coverage from both initiatives. Staff coordinated with WPUDA to provide a legislative briefing to members of the state legislature titled Columbia & Snake River Dams: What Washington Legislators Need to Know. Speakers included Kieran Connolly from Bonneville Power Administration and David Ponganis from U.S. Army Corps of Engineers. Benton and Franklin PUD staff, TRIDEC President/CEO and Port of Pasco Executive Director participated in an editorial board with the Tri-City Herald to provide education on our power system and value of the four lower Snake River dams on that system.

d. - Renewable portfolio standards & carbon emissions

Q3 - Benton PUD has been actively engaged with Washington State Department of Commerce staff on CETA rulemaking. Workshops were held to discuss the federal incremental hydro eligibility and identifying and applying a social cost of carbon. Proposed rules were released and Benton PUD submitted comments.

Q2 - Senate Bill 5116 - Benton PUD staff attended informal discussions with the Washington State Department of Commerce and the Utilities and Transportation Commission regarding rulemaking. The following rulemaking priority areas were identified: coordination with EIA, social cost of carbon, future planning (i.e. IRPs and Clean Energy Implementation Plan), and low-income energy efficiency programs. Future rulemaking discussions are planned for late July / early August. Staff will monitor discussions in advance of release of proposed rules.

Q1 - Senate Bill 5116 - Washington Clean Energy Transformation Act - was introduced this session. The goal of the legislation is for utilities to make retail sales of electricity greenhouse gas neutral by 2030 and carbon free by 2045. A penalty would be assessed to

utilities not in compliance with the 2030 goal. The bill harmonizes with the existing EIA. A cost cap is established for controlling costs associated with the compliance goal. Benton PUD worked with our lobbyist and collaborated with other utilities in the state and the Public Generating Pool to provide comment and feedback on proposed language. The District continues to be concerned about the reliability of the electric grid when limitations are placed on natural gas as a source of electric generation. Staff will continue to monitor the legislation as it moves through the legislative process.

e. - Columbia River Treaty

Q3 - The Columbia River Treaty Power Group is engaged in efforts to rebalance the provisions of the agreement between the U.S. and Canada. However, with eight rounds of negotiations complete there is little-to-no clear progress to show and there are signs that Canada may be engaging in a delay strategy rather than serious negotiations. The Power Group is also concerned with lack of transparency regarding strategy and progress towards resolution of the flood control provisions, which expire in 2024. The Power Group held meetings in September with the congressional delegation and U.S. State Department to discuss next steps. They are exploring the viability of using the notice of intent to terminate the power provision of the Treaty to start the 10-year window.

Q2 - The last round of negotiations was held in June. The negotiating teams discussed flood risk management, hydropower, and adaptive management. A Town Hall is scheduled for July in Boise.

Q1 - Columbia River Treaty negotiations continue. Meetings were held in Washington D.C in February and a Town Hall was held in Montana in March. However, there have been no real public reports on the progress. This was a topic of discussion at the APPA Legislative Rally. Our delegation continues to press for updates from the Administration.

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11. - Develop a dashboard that monitors the effectiveness and benefits of low income programs.

Q3 - A dashboard has been created and data continues to be gathered and monitored. Data is reviewed routinely, looking for anomalies and areas of opportunity to expand the discount program. A recent review of the data identified a need to bring more awareness to the 10% discount and eventually increase enrollment.

Q2 - A dashboard has been developed to display data for all discount types (Senior, Disabled and Veteran/Active Military). Data can be filtered by month or year and includes discount totals and benefit amounts specifically tied to the Federally Established Poverty Level thresholds. Work continues on the dashboard to ultimately include live data pulled from CIS.

Q1 - Work is continuing on the development of a dashboard. Data to be addressed will include low income discount type, average customer benefit by month, and year-to -date activity. An additional discount for Veterans and Active Military was added earlier in the year and those statistics will be added to the dashboard. The goal is to use Mosaic in Q2 to track and display the data on a Dashboard.

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12. - Develop new ways to share information about the District's low income programs and create outreach opportunities for eligible customers:

a. - Host a low income program workshop for community and social services partners.

Q3 - Workshops were held in Kennewick and in Prosser for community partners and agencies that work with Benton PUD's low income customers. Representatives from 23 different organizations attended the workshops and learned about Benton PUD's low income bill discount and energy efficiency programs. They also learned about other programs that may benefit low income customers, such as Pay As You Go, SmartHub and home energy audits.

Q2 - Staff is preparing for a low income workshop to be offered in Q3. Invitations to the workshop will be extended to agencies in the community that provide energy assistance to the District's low income customers. The purpose of the workshop will be to provide information to these community partners about the District's low income programs and payment options.

Q1 - No updates for this quarter.

b. - Coordinate with local entities to provide on-site application processing at social service agencies in the community, such as VFW, Kennewick Senior Center, etc.

Q3 - No updates for this quarter.

Q2 - Staff attended a Kennewick Housing Authority staff meeting to discuss the District's low income programs, SmartHub, and energy efficiency offerings. Low Income Discount forms were provided to Housing Authority staff to distribute to customers.

Q1 - Meetings were held during Q1 with CAC and with several Veteran's organizations to provide information about the District's new Veterans/Active Military low income discount. Staff conducted on site meetings at WorkSource Columbia Basin, the Richland VWF Post, the Veterans Opportunity Center, and the Benton City American Legion.

Veterans Discount applications were provided to agency staff with instructions on completing the application process.

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13. - Collaborate with affordable housing organizations to interact, educate and learn. Develop an understanding of how utility bills are viewed in the affordable housing process and evaluate potential new low income programs or changes to existing programs to better serve this group of low income customers. Share information about the District's existing low income programs to promote enrollment.

Q3 - Staff is continuing to monitor the proposed Housing Authority project that is scheduled to begin in Q2 of 2020. In addition, staff initiated outreach to the Home Builders Association to discuss Benton PUD's Energy Efficient Home Rebate and Habitat for Humanity home eligibility. Staff learned Habitat homes are built to the rebate energy efficiency standards, and if any are built within Benton PUD's service territory they will be eligible.

Q2 - Staff is researching an opportunity to coordinate with the Kennewick Housing Authority on a new low income housing development that will begin in 2020. Options for the District to participate with energy efficiency measures are being evaluated.

Q1 - Contact has been initiated with a low income housing advocate and a meeting is expected to be scheduled during Q2.

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14. - In partnership with NoaNet, develop a proactive plan and strategy to respond to requests by telecommunication companies relative to the deployment of advanced wireless technology.

Q3 - Staff are in the process of reviewing and finalizing joint use rates, standards, and permit processes for advanced wireless/small cell installations that are tentatively planned for a Q4 2019/Q1 2020 deployment. NoaNet is finalizing a contract agreement with a national carrier that will bring approximately 42 small cell sites to the District service area.

Q2 - District staff continue to develop standards, permit language, and cooperative agreements in preparation for potential advanced wireless/small cell deployment. NoaNet has responded to a proposal that could bring as many as 42 of these sites to the District's service territory.

Q1 - The District is actively participating with the City of Kennewick on developing planning criteria, design standards, and permitting processes for the deployment of advanced wireless infrastructure in our community. NoaNet and District staff are preparing a response to a national carrier that is requesting over 20 site locations throughout the District's service area.

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15. - Develop cooperative agreements with the City of Kennewick for the deployment of advanced wireless infrastructure for facilities located in City Right-of-Way.

Q3 - The City of Kennewick and Benton PUD have formally approved an Interlocal Cooperative Agreement that memorializes the two entities' joint efforts around supporting an advanced wireless deployment within the city. Additionally, City and PUD staff have participated in a site walk with a prospective national carrier in order to determine feasibility of equipment installation.

Q2 - The City of Kennewick is currently reviewing minor changes to the proposed Inter-local Cooperative Agreement (ILCA) and intend on taking it to the City Council for approval at the end of July or early August. District staff will present the ILCA for Commission consideration after City approval is obtained.

Q1 - The District has presented a draft Inter-local Cooperative Agreement (ILCA) to the City of Kennewick for their review that memorializes expected collaboration between the parties in preparing for and responding to requests from third parties that desire to locate advanced wireless infrastructure on our facilities.The ILCA is expected to be complete in Q2 2019.

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2. - Promote SmartHub capabilities to increase customer utilization of key features including payment options, usage information, email and text alerts, and outage notifications.

Q3 - The implementation of Pay As You Go has continued our emphasis on the prepaid functionality within SmartHub. Staff has worked with customers during their enrollment in Pay As You Go to educate them on the important features they can use to manage their account, understand usage and process payments. Customers are also informed on the ability to opt in to text messaging for Pay As You Go, outages, usage alerts, etc.

Q1 - Updated communication material to include the payment kiosks. Nearly $50,000 was paid via the payment kiosks in Q1. With the implementation of Pay As You Go in late Q2, kiosk payments are expected to continue to increase. We have nearly 27,000 registered users of SmartHub, or 52% of active service agreements enrolled. Nearly 13,000 customers are enrolled in autopay, which is 150% of pre NISC levels. Paperless billing continues to increase with nearly 15,000 customers enrolled.

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3. - Leverage the District's investment in the Outage Management System, along with mobile workforce solutions to proactively connect with customers through the channel of their choice, i.e. phone calls, text messages, about outage events, power restoral, and updates.

Q3 - ETR is being entered on planned outages by Operations. With the latest version of iVUE (2.45), staff updated the outage messages to include the service address on them rather than just the account number.

Q2 - Continuing to monitor the use of ETR on Planned Outages. With the next release of iVUE (v2.45) additional functionality is available that will enhance our outage messages to include additional information like service address as part of our messaging.

Q1 - Continuing to monitor outage messages, and working with Operations to include Estimated Time of Restoral (ETR) on planned outages. Once it is determined that this is a viable option, will be evaluating turning on ETR messages for customers to opt into and showing ETR on the public facing outage map.

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4. - Utilize data analytics to provide enhanced usage information to key account customers.

Q3 - Staff provided detailed usage information to a Key Account customer for numerous accounts, and also rate comparison information for the same Key Account customer was provided to help determine 2020 costs based on the rate increase.

Q2 - No updates for this quarter.

Q1 - No updates for this quarter.

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5. - Develop informational programs to educate and support our customers on rooftop solar and electric vehicle charging stations investments, installations and incentives.

Q3 - Provided Leadership Team a presentation on the benefits of creating an Electrification of Transportation Plan. Will take to commission for adoption a Electrification of Transportation Plan on November 12, 2019 which will allow the District to offer customer rebates for EV purchases along with the promotion and education of EV purchases to our customers. Sample education components include website, car dealer education materials, and wrap the District Chevy Bolt with decals.

Q2 - Updated the District's web page to help educate customers on WSU provided data stating the rooftop solar installation Return on Investment (ROI) for installations across eastern Washington. Also updated information related to Washington incentive program funding no longer being available.

Q1 - The District's web page was updated to reflect there are no more available rooftop solar incentives. A graph was also included which shows the current customer installation payback increase from 7 years to 29 years (this includes federal incentive tax credits)

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6. - Evaluate possible expansion of the District's community solar program to include:

a. - Opportunities for businesses to meet corporate sustainability goals.

Q3 - No updates for this quarter.

Q2 - No updates for this quarter.

Q1 - No change since Q4 2018 after we suspended a RFP that was issued for building a community solar project during 2019 with potential Washington State incentives. After review with WSU, the project was identified as not qualifying for Washington incentives.

b. - Businesses and individual participation in low income assistance programs.

Q3 - No updates for this quarter.

Q2 - No updates for this quarter.

Q1 - No change since Q4 2018 after we suspended a RFP that was issued for building a community solar project during 2019 with potential Washington State incentives. After review with WSU, the project was identified as not qualifying for Washington incentives.

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7. - Participate in the Electric Vehicle Infrastructure Transportation Alliance to install electric vehicle DC fast charging stations included in the WSDOT grant program. Consider other grant programs.

Q3 - Continuing to meet with EVITA group. No new grants were available to apply for.

Q2 - Continue to have dialog with EVITA group. Attended the Connell charging station grand opening on May 23rd drive the Districts new electric vehicle Chevy Bolt. Was interviewed by KNDU and that evening the Districts Bolt was shown being charged with the level 2 charger. EVITA continues to explore future potential grant opportunities.

Q1 - The District hosted a brainstorming meeting during Q1 with the EVITA workgroup to discuss new ideas and future funding opportunities to consider. Co-ops offer customer rebates of $300 to install chargers in their homes which helps grow loads, but Public Utilities need legislation authority. ENW is looking into potential new grant opportunities. Staff discussed the value of our partnership with Greenlots and future potential projects. Greenlots was recently acquired by Shell. Six (Cle Elum, Ellensburg, Yakima, Kennewick, Pasco, and Connell) of the nine EVITA installations are built and the remaining three are Prosser, Richland and Grant County which will be built during 2019.

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8. - Consistent with recommendations from the American Public Power Association, establish real connections with our communities by finding ways to engage in community-support activities.

Q3 - RiverFest 2019 was a success with over 4,000 attendees and 75 booths. Benton PUD had a presence with our boom truck and large American flag at the entrance to Columbia Park. We partnered with Energy Northwest and the Richland Energy Services on booths showcasing the river system and EVITA to promote electric vehicles. Benton PUD participated in the City of Kennewick's National Night Out celebration at the Southridge Sports Event Complex and handed out electrical safety materials. We were also a part of the Benton Franklin Fair & Rodeo, both in the parade and providing Parklets (charging stations) and free Wi-Fi near the fair entrance and employees took shifts in the evenings and on the weekend to hand out sunscreen and electrical safety stickers and information.

Q2 - Benton PUD has been actively engaged in RiverFest 2019 planning. Staff is also coordinating this years Energy Experience, an educational, hands-on event geared towards eighth grade students in the Mid-Columbia.

Q1 - Benton PUD has committed to being a part of RiverFest 2019. We will be engaged in the planning committee and plan to host a booth at the event.

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9. - Promote load preservation and growth opportunities to mitigate the impacts of low secondary market prices including, but not limited to:

a. - New large load substation readiness.

Q3 - Orchard View Substation Bay 2 addition has been energized and is serving some existing load. A new distribution feeder has been completed to a point south of Vista Field along Clearwater Avenue with plans to complete the interconnection of Orchard View Bay 2 to existing and developing loads in Vista field during Q4.

Q2 - Orchard View bay two addition is expected to be energized in July. Distribution feeder construction is underway to provide additional capacity from the new bay into Vista Field and ultimately into the western portion of the Bob Olson Parkway.

Q1 - The addition of a second bay at Orchard View Substation is nearly complete. Switchgear was set in place and the power transformer is expected to be delivered April 10th. Substation construction is expected to be completed in early May.

b. - New large load marketing efforts through TRIDEC.

Q3 - No updates for this quarter.

Q2 - No updates for this quarter.

Q1 - The District did not receive any inquiries from TRIDEC regarding new large loads.

c. - Programs that support the development of electric vehicle loads.

Q3 - A Draft electrification of transportation plan has been completed with a final version expected to be presented to Commissioners for approval in November.

Q2 - Staff has begun the development of a project agreement to move the District's electrification of transportation efforts forward. The goal is to approve a plan in Q3 and move forward with initial customer outreach efforts in Q4.

Q1 - No updates for this quarter.

Strategic Anchor: Reliability & Resiliency

We maintain high standards of reliability and resiliency in providing products and services that are essential to the quality of life.

1. Optimize distribution assets.
2. Promote the convergence of broadband, information systems and electrical system.
3. Maintain electric and broadband reliability and resiliency.
4. Manage risks and opportunities related to power supply.

1. - Maximize the value of the District's advanced metering infrastructure (AMI) system to include:

a. - Meter alerts and customer facing outage notifications and mapping.

Q3 - As part of the effort to produce more effective alerts and reporting, staff worked with Sensus to reinstall the Sensus Alarm and Message Manager product which provides real-time alerting for some meter conditions. Further analytical efforts will take place in Q2 2020 after completion of a software upgrade of the primary AMI management software.

Q2 - Staff successfully completed the migration of the AMI management software to Sensus' Boise data center. At this time we are working with Sensus to enhance the meter alarm and alert capability to function as desired.

Q1 - The District is currently migrating the control software that manages the advanced meters from on-premise to the vendor's data center in Boise, Idaho. Migration from on-premise to hosted should be complete during Q2 2019 followed by an upgrade to 4.x version of the software. After that, staff will research data analytic opportunities for meter alert and alarm data. Currently, the immediate needs are being met with the Alarm and Message Manager Sensus product.

b. - Firmware updates to allow functional enhancements and encryption.

Q3 - Meter Shop staff have less than two dozen poly-phase meters to upgrade the firmware to enable the automated demand reset functionality. These are actively being scheduled with customers in order to complete the necessary programming. They are still on schedule to be completed by year end.

Q2 - The District Meter Shop staff continue to make progress on manually updating firmware for the remaining 240 poly-phase meters in order to reset the demand register monthly. It is expected that this will be complete by year end.

Q1 - Sensus is currently assisting in the over-the-air update of the remaining 52 meters that have a less than optimal communications path. Additionally, District Meter Shop

staff are manually updating firmware on just under 700 remaining Elster poly-phase meters in order to reset the demand register monthly.

c. - Evaluating the use of Sensus™ hosted AMI platform.

Q3 - Action item completed in Q2 2019.

Q2 - Staff successfully completed the migration of the AMI management software to Sensus' Boise data center. An upgrade to this software is now being planned for Q4 2019 with upgrades to the base station radio transceivers to occur in 2020.

Q1 - The Commission approved a new contract with Sensus in November 2018 that will have Sensus host the primary AMI management software (RNI) in their Boise, ID Data Center. The migration is currently in progress with a Q2 expected completion date closely followed by a software upgrade in Q3.

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10. - Begin permitting and design of the Spaw to Phillips transmission line in 2019.

Q3 - Project was brought forward in the capital plan. Engineering expects to release an RFP for Engineering and Design in Q4 2019 and to complete transmission line design and permitting in 2020 with expected completion of construction in 2021.

Q2 - Deferred until 2020.

Q1 - Deferred until 2020.

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11. - Work with BPA to complete studies and agreements necessary to facilitate future construction of a new 115 kV point-of-delivery at McNary substation.

Q3 - BPA completed the Facility Study report on September 26, 2019. The project is scheduled to be in service by May 2022. Benton PUD's 2019 capital budget included $550,000 for the project, assuming a BPA cost allocation to the District. As of the Facility Study review meeting held October 21, 2019, it was confirmed that BPA will fund 100% of all BPA owned equipment to be installed.

Q2 - BPA notified the District on July 8, 2019 that additional time is required to complete the Facility Study and the new due date is September 27, 2019.

Q1 - BPA has delayed completion of the Facility Study to July 31, 2019 from March 29, 2019 and the energization date has been delayed to May of 2021 from 2020.

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12. - Implement remote communications options and control upgrades to integrate feeder line devices into the District's Supervisory Control and Data Acquisition (SCADA) system.

Q3 - The initial work package for the first six regulator controls (Benton City/Badger Canyon) with SCADA has been completed and are fully operational. Work has begun on prioritized work packages for regulators in the Finley area along with a new Phillips Hilltop radio site that will in the future provide a way to alleviate potential radio congestion on the Rattlesnake Master radio site.

Q2 - Currently four of six regulators are operable via SCADA from the work package for Benton City and Badger Canyon Regulators. The last two should be completed well in advance of the next update. Our plan going forward is to install SCADA on additional regulators in the Finley Area.

Q1 - A work package with high priority locations in Benton City and Badger Canyon has been released to operations. Following the completion of this initial work package, additional work packages will follow for the remainder of the the system.

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13. - Promote the District's involvement in the American Public Power Association's Reliable Public Power Provider (RP3) program.

Q1 - Completed in 2018.

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14. - Evaluate Distribution System operational impacts in areas where high penetration levels of customer solar generation has occurred. Develop monitoring tools and reports to provide day-to-day operational visibility of customer generation.

Q3 - No updates for this quarter.

Q2 - No updates for this quarter.

Q1 - Graphs have been developed within the District's Meter Data Management System which allow for a view of aggregate hourly production meter data associated with net metering customer generation.

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15. - Continue technology surveillance related to the costs and benefits of energy storage.

Q3 - Staff presented information to Commissioners on the amount of grid scale batteries planned for the California Independent System Operator (CAISO) balancing area through 2022 in comparison to power generating capacity being provided by other resources. The intent of the information was to provide context as to the readiness of batteries to help solve the problems of wind and solar variability and intermittency. CAISO only expects 1.2 gigawatts of batteries by 2022 with a need for over 50 gigawatts of nameplate generation capacity required to meet resource adequacy requirements. The information provided emphasized CAISO's continued reliance on natural-gas fired and hydro generation along with imports from adjacent regions to meet the bulk of their power grid reliability requirements.

Q2 - Staff arranged for and attended a presentation to the Public Generating Pool (PGP) by Carl Imhoff with PNNL regarding the latest developments in energy storage along with future possibilities.

Q1 - According to the U.S. Energy Information Administration, at the end of 2017, 708 megawatts (MW) of power capacity, representing 867 megawatthours (MWh) of energy capacity, of large-scale battery storage capacity was in operation. Over 80% of U.S. large-scale battery storage power capacity is currently provided by batteries based on lithium-ion chemistries. Total installed cost data indicates a very wide range of costs depending on a number of factors including the duration of the battery output. Based on eight battery systems reported, long-duration storage (anything greater than 2 hours) normalized capital cost estimates are around $400 per kilowatt-hour. This equates to $16 million for a 10 megawatt battery with a four-hour discharge capability.

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16. - Perform research and analysis necessary to determine the demand response potential within large customer rate classes as a contributor to maintaining load and resource balance.

Q3 - A strategic session was held on October 8, 2019, where Power Management staff presented material to the Commission and District staff about demand response and its consideration as a capacity resource. The presentation recommended that the District evaluate demand response programs, including rate based options, for cost effectiveness, reliability and feasibility as a capacity resource. A preliminary timeline was presented to facilitate additional strategic planning discussion.

Q2 - Power Management staff are reviewing BPA's March 19, 2018 Demand Response Potential Report and BPA's October 30, 2018 Addendum and intends to use BPA's evaluated demand response products as the framework for developing estimates of the demand response potential within the District's service territory.

Q1 - No updates for this quarter.

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17. - Actively participate with other members of the Public Generating Pool to communicate the results of the Pacific Northwest resource adequacy study to key constituencies.

Q3 - Results of the E3 "Resource Adequacy in the Pacific Northwest" study were used by staff in various forums and presentations to emphasize the need for investments in dependable capacity resources as coal-fired power plants are retired at an accelerating rate.

Q2 - The District hosted a forum titled Maintaining Grid Reliability and Affordability in a Clean Energy Era. Arne Olson with E3 and Therese Hampton with PGP were the featured speakers. The forum was well attended and positive feedback was provided by many attendees.

Q1 - Conclusions drawn from the E3 "Resource Adequacy in the Pacific Northwest" study were used in staff presentations at a Badger Club luncheon on February 21st and at three Southridge High School environmental science classes on February 1st.

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18. - Prepare training materials and conduct an emergency response drill as outlined in the District's Emergency Restoration Plan.

Q3 - Staff has developed the training program for the Damage Assessors to include a Safety component, use of NISC's Damage Assessor AppSuite tool, and a hands on outage prop scenario. Training has been scheduled for October 15th for half of the participants and October 16th for half. A tabletop drill has been scheduled for October 23rd to roll out the scenario with a follow up on November 19th to report on results. Some procedures are expected to be developed after this process.

Q2 - Staff continued to evaluate the action items. The project team met with Engineering and Operations to review their items, create assignments for individuals and assign due dates. Staff met with Benton County Emergency Services to ensure understanding and alignment during a major outage event. Working toward conducting an emergency response drill during Q4.

Q1 - Staff has re-focused this action and created a project team to review all aspects of outage restoration and public and employee communications in 2019. In Q1, staff has reviewed the existing Emergency Response Plan, met with each department to brainstorm ideas on how they can support the plan, started an action item tracking spreadsheet, reached out to NISC to request a demo of their damage assessment tool, worked through and completed most of the action item list created with the City of Kennewick on communications, discussed the installation of a generator capable of powering the entire Admin building in the event of an outage, and reached out to the State to request a review of our FEMA procedures.

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19. - Participate in disaster response planning with Benton County Emergency Services relative to a Cascadia earthquake in order to evaluate the direct and indirect impacts on the District's electric system operations.

Q1 - This is scheduled for 2020.

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2. - Identify systematic upgrades and replacements for aging substation apparatus and equipment.

Q3 - Riverfront Substation LTC retrofit is complete and back in operation. This was the last such replacement on the system. Benton City Substation construction began with the removal of District's oldest power transformer (69 years). Progress has seen the substation site leveled and new concrete structures are currently being installed to receive the new substation equipment that has been procured.

Q2 - Highlands Bay #2 work is complete. This project completed bay protection upgrades for the entirety of Highlands Substation. Riverfront Substation load tap changer is scheduled to be replaced in late August or early September. We are currently in the process of confirming scheduling.

Q1 - A Circuit Switcher addition and Differential/Overcurrent protection work is scheduled to begin in mid-April for Highlands Bay #2 and will complete protection upgrades at Highlands Substation. Procurement for substation bay and feeder relay replacements is beginning. Ely Bay #2 is scheduled for Q3 2019, and Ely Bay #1 for Q2 2020.

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20. - Review and update the District's Emergency Curtailment Plan.

Q3 - Operations Policy No. 79 - Emergency Load Reduction Plan was approved by the Director of Operations and General Manager on July 24, 2019.

Q2 - Resolution No. 2506 - Emergency Load Reduction Plan Policies was approved by Commission at the June 11, 2019 meeting. Operations Policy No. 79 - Emergency Load Reduction Plan was submitted to the Director of Operations for final review as of July 3, 2019.

Q1 - A project team was identified and a project agreement was created. The goal is to request Commission approval of the updated curtailment plan at their May 28th meeting.

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21. - Evaluate critical construction components and supplies relative to the District's historical inventory levels.

Q1 - Completed in 2018.

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22. - Evaluate drone technology and FCC licensing requirements.

Q3 - A quote was issued and GenPac was awarded. The drone has been purchased and training is occurring as of the date of this report (October 9).

Q2 - All bids were rejected due to an alert from Homeland Security and staff are re-evaluating the next steps.

Q1 - Drone technology is being evaluated by a small group of staff as an enhancement to the District's inspection program and for patrolling during outages. They have seen a demonstration from one vendor and have developed a draft RFP that is under review to purchase and receive training for a drone.

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23. - Emerging Strategic Issue: Electricity Intensive Load (EIL). (Added July 2018)

a. - Monitor industry activities related to crypto currency mining and block chain operations, developing recommendations as needed to modify policies.

Q3 - No update for this quarter.

Q2 - Staff continue to monitor industry activities related to cryptocurrency mining. While staff is not recommending any changes to District policies at this time, several events have occurred during Q2 that reflect how dynamic the cryptocurrency industry continues to be. One eastern Washington PUD implemented a moratorium during Q2 on accepting applications on all new non-diverse loads to allow their staff time to evaluate policies and procedures and impacts on their electric system and power supply. Another eastern Washington PUD implemented a new rate class during Q2, which phases in increasing rates over three years for "evolving industries" including cryptocurrency operations. A group of cryptocurrency companies had filed a request for a preliminary injunction to prevent the rates from being implemented, and the PUD received a favorable decision from a federal judge just prior to the scheduled implementation date allowing the utility to move forward.

Q1 - No updates for this quarter.

b, - Proactively evaluate impacts of EIL customers on power supply portfolio.

Q3 - No updates for this quarter.

Q2 - No updates for this quarter.

Q1 - No updates for this quarter.

c. - Proactively evaluate impacts of EIL customers on the District's transmission and distribution system, updating the line extension policy as needed.

Q1 - Completed in 2018.

d. - Evaluate distribution system impacts related to new EIL customers, ensure upgrades are made as needed, and monitor existing EIL loads to ensure ongoing system safety and reliability.

Q3 - New application for EIL Loads has dropped considerably. Currently one large EIL customer has paid for an additional service and signed all documentation; Benton PUD is awaiting notice to proceed as their existing loading has not increased past the point of needing the additional service. Another commercial level EIL customer has inquired about relocating to the Finley Area and has received rough estimates for necessary infrastructure upgrades, but has not indicated any action as of this update.

Q2 - From the last update, it does not appear that LogOn has ramped much and has not requested the additional service although they have paid the fees due. We recently had a meeting with a customer about alternate locations for an existing container plus additional containers.

Q1 - LogOn located on Okanogan Avenue in south Vista Field has paid for the additional service at their location. This load addition was evaluated previously with the existing service addition. The customer's service equipment has not been ordered and it is anticipated to take 2-3 months to procure. No other applications have been received to date.

e. - Work with new EIL customers on selecting billing options; monitor existing customers on a monthly basis to ensure payments are being made, and ensure security deposits are adequate based on loads.

Q3 - No additional EIL customers were added in Q3. Two smaller EIL customers ceased operations. All EIL deposits are adequate at this time.

Q2 - EIL customers who previously selected prepay as their payment option have now transitioned to standard billing. Adequate deposits have been obtained as a result of this change.

Q1 - The largest EIL customers reduced electric consumption during Q1 as the market price for bitcoin was down, causing a reduction in mining activity. One EIL customer was added during the quarter, and several small users notified the District they had stopped mining. The District currently has 12 active EIL customers. The largest EIL customer is working with Engineering staff to install an additional transformer and will be increasing load over the next 2-6 months. Customer Service will work with the customer to increase the deposit requirement and insure adequate security is in place. There are currently three customers who have elected prepayment as their payment option.

f. - Utilize technology to perform proactive distribution system monitoring to identify locations of potential EIL customers who have not declared their operations.

Q3 - Staff has continued to monitor accounts for unusual usage. No EIL customers were identified during the quarter.

Q2 - No updates for this quarter.

Q1 - Staff continues to look for accounts that have unusual increases in usage. When an account is identified as a potential EIL, outreach is initiated with the customer. During Q1, one previously undeclared EIL customer was identified through higher usage patterns and is now conforming to the District's EIL policy.

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3. - Review and update the Reata Substation winter contingency plan.

Q1 - Completed in 2018.

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4. - Continue to partner with the City of Richland to complete design, procurement and construction activities necessary to energize the Leslie Road substation by the end of 2018.

Q1 - Completed in 2018.

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5. - Complete design, procurement and construction activities necessary to upgrade the Benton City substation in 2019.

Q3 - Benton City Substation has progressed from the demolition stage to the construction phase. Currently footings and foundations are being formed up and poured. Customer Engineering, with input from System Engineering, has finalized design of the feeder getaways. Benton PUD has taken delivery of the Power Transformer and is awaiting the switchgear. All other material has been procured and is awaiting installation.

Q2 - The District's Mobile Substation has been installed, contracts for oil filled equipment recycling are being finalized, the 90% review drawings have been reviewed and comments have been returned to consultant. We are beginning to prepare construction contracts.

Q1 - The design process is under way with the District's engineering consultant. All major equipment has been ordered. Soil testing is scheduled for the first part of April and BPA has been contacted about the plan to install the mobile substation and tap the Grandview-Red Mountain #1 Line.

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6. - Continue to work with BPA to complete studies and agreements necessary to facilitate construction of the Southridge substation in 2020.

Q3 - BPA completed their scoping effort and tendered a construction agreement on October 8, 2019 with a cost estimate of $1,131,080 and a project completion date of December 31, 2020. Before moving forward, District staff have requested that BPA provide an explanation for the high cost of BPA's contract labor.

Q2 - BPA sent a delay notice on July 8, 2019 that their scoping team requires more time and that the new anticipated completion date is September 1, 2019.

Q1 - BPA's preliminary engineering activities (Contract #18-21-37) for the transmission interconnection design and cost estimate are ongoing and the completion date has been extended from January 2019 to June 2019.

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7. - Complete analysis and substation equipment installations necessary to mitigate low voltage conditions associated with a BPA Horse Heaven 115-kV point-of-delivery outage during peak summer loading.

Q3 - No updates for this quarter.

Q2 - After further study, Engineering staff determined the system, with current equipment in good operating condition, will operate adequately under peak loading condition for the contingencies studied: 1) Loss of Horse Heaven Point of Delivery, and 2) Loss of McNary Point of delivery. Switching plans are on file with Operations for these contingencies, and include step by step plans for restoration.

Q1 - After completing different outage scenarios on the river system it was discovered that the low voltage conditions that are a product of a Horse Heaven point of delivery outage are low but will still allow customer utilization voltages to be adequate. The analysis included the use of the Whitcomb 115kV capacitor bank but did not require additional capacitor installation as was previously anticipated. Spare capacitor units and miscellaneous parts have been ordered, and our maintenance plan now includes operational testing at least annually.

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8. - Preliminary planning and design for Edison Street substation transmission line.

Q3 - This project has been deferred to 2022

Q2 - No updates for this quarter.

Q1 - No updates for this quarter.

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9. - Complete permitting and design of the Sunset Road to Dallas Road transmission line in 2019. Complete construction in 2020.

Q3 - The District's efforts to permit and design the new line have been deferred to 2022 with line construction planned for 2023. Related to this project, BPA completed their Red Mountain breaker position addition Facility Study report on September 26, 2019. The new breaker position is scheduled to be in service by October 31, 2023. As of the Facility Study review meeting held October 21, 2019, it was confirmed that BPA will fund 100% of this Red Mountain breaker position addition.

Q2 - This project is currently on hold awaiting a response from WSDOT either confirming that the proposed highway project impeding this transmission project was deferred or canceled.

Q1 - The Sunset to Dallas Transmission Line has been postponed until the Washington State Department of Transportation (WSDOT) has a firm design for the I-82 Interchange near Benton City. The WSDOT website indicated that the project would go out to bid in Q4 of 2020 which would indicate that a firm design would be available to affected entities by Q2/Q3 2020.

Strategic Anchor: Safety

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1. Promote ownership and accountability for safety within each individual.
2. Engage our safety committees in the strengthening of our safety culture.
3. Support employee and public safety through education, training, awareness, and compliance.
4. Encourage employee participation in workplace safety and recognize employee safety contributions.
5. Commit to pursuing an injury and pain-free workplace.
6. Be recognized as a safety leader in the utility industry.

1. - Evaluate the results of the safety culture survey and develop actions to address recommended improvements.

Q1 - Completed in 2018.

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2. - Restructure the employee safety incentive program to include leading indicators of safe behaviors.

Q1 - Completed in 2018.

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3. - Engage the safety committee members in the review of accident/incident trends to identify areas of risk and deliver targeted training programs to address those risks.

Q1 - Completed in 2018.

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4. - Leverage data analytics to assist safety committees in developing performance evaluation and metric analysis.

Q3 - Q3 - In the third quarter, the Safety Incentive Subcommittee developed a revised Tableau display of program point standings to enhance end user capabilities following the first incentive program year. The new display features both individual and group standings on one tab, no longer requiring toggling between pages. It also features an enhanced individual point break down by category as well as a new section for upcoming point opportunities in the program increasing end-user value.

Q2 - Safety Committees worked with IT throughout Q2 to ensure the Safety Incentive Program standings were updated and displayed for employees via Tableau workbook. Safety Committees also used analytics to review and summarize the statistics from the first Safety Incentive Program year which concluded June 30, 2019.

Q1 - Staff collaborated with IT each month to have the Tableau Safety Incentive Point Standings workbook updated as submissions were received throughout the quarter.

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5. - Expand the new hire safety orientation program and include Central Safety Committee members in this process.

Q1 - Completed in 2018. Shared Safety Welcomes with five new hires in Q1.

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6. - Leverage technology and root-cause analysis processes to improve the District's capabilities of identifying electrical system failure modes for which corrective actions can be implemented.

Q3 - Engineering Department procedure 55B has been developed in draft form and is currently under review by the Director of Engineering and Power management.

Q2 - A "Root Cause Analysis" service order has been created in CIS (workflow approved by Dunn/Edwards) and the procedure is being updated.

Q1 - Work has begun to develop a process that will allow outages to be evaluated by either the Lead Dispatcher or the Superintendent to forward outages requiring further review/analysis to Engineering. The process is going to utilize NISC OMS and the NISC Service order process.

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7. - Correct safety code compliance and construction standard deficiencies related to the joint-use of District poles.

Q3 - Year to Date activities: 68 work orders completed~ 778 poles visited ~1758 violations corrected ~ 34 work orders (backlog) pending release to Contractor encompassing 335 poles ~ 9 work orders released to the Contractor (under of pending construction) encompassing 94 poles.

Q2 - Year to Date work completed: ~ 43 work orders completed ~ 521 poles visited ~ 1279 violations corrected ~ 25 work orders (backlog) pending release to Contractor encompassing 285 poles ~16 work orders released to Contractor (under or pending construction) encompassing 142 poles

Q1 - The District's Joint Use program has received commitment from all of the participating entities for Q2. Charter has committed for Q3 as well. The inclement weather during late February and early March saw the contract crew supporting this effort leave to do storm work while District staff had a chance to get caught up on our Joint Use notifications and inspections. Engineering has asked the contractor to commit more labor to the correction effort in order to get on track to meet the goal of over 1500 poles this year. In Q1, 9 work orders were completed, 141 poles visited, 400 violations corrected, 41 work orders are pending release to the contractor encompassing 411 poles, and 14 work orders were released to the contractor encompassing 141 poles.

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8. - Develop recommendations and implement improvements to the District's standards, practices and procedures relating to management of right-of-way encroachments.

Q3 - Right-of-way encroachments have been incorporated into the District's line inspection processes and procedures to begin the effort of inventorying encroachments and assigning responsibilities for corrective actions and follow up.

Q2 - Draft changes to the District's line inspection and patrol procedures have been developed to incorporate right-of-way encroachments into the field inspection process.

Q1 - Continuing to make incremental progress on efforts to establish systems and processes that can be used to identify existing right-of-way encroachments.

Strategic Anchor: Safety

We are committed to cultivating an enriched safety culture which actively involves all employees in identifying issues that could impact workplace and public safety, and empowers them to take actions to prevent and correct safety deficiencies.

1. Promote ownership and accountability for safety within each individual.
2. Engage our safety committees in the strengthening of our safety culture.
3. Support employee and public safety through education, training, awareness, and compliance.
4. Encourage employee participation in workplace safety and recognize employee safety contributions.
5. Commit to pursuing an injury and pain-free workplace.
6. Be recognized as a safety leader in the utility industry.

9. - Partner with other utilities on customer outreach and communications related to public safety.

Q3 - Benton PUD staff provided Basic Electrical Utility Safety to City of Kennewick Public Works employees.

Q2 - Benton PUD crew performed a safety trailer demonstration for staff and families that attended our annual future employee day event. Staff presented the First Responder Electrical Safety program to two groups of Kennewick City Police and crews also performed the safety trailer demonstration at these sessions.

Q1 - Two Benton PUD linemen worked alongside a crew from Benton REA to rescue motorists stranded in snow drifts near Prosser. The two utility crews worked into the night to retrieve a family of four, a husband and wife and several hunters who had been stranded in their cars for six hours in blizzard conditions. The crews were recognized by the Washington State Patrol with a Commendation Award and Challenge Coin.

Strategic Anchor: Skilled Workforce

We recruit, develop, motivate, and retain a highly skilled, resilient, and diverse workforce and foster a healthy, safe, well-equipped and productive work environment for our employees, their families, and the public.

1. Attract and retain talent.
2. Ensure leadership is developed to meet existing and future challenges.
3. Promote employee engagement.
4. Optimize knowledge management.
5. Enhance individual and organizational effectiveness.
6. Champion employee wellness and work-life programs.

1. - Identify practical core leadership skills and create a training and development program.

Q3 - Supervisors participated in Basics of Just Cause for Supervisors, Effective Performance Evaluations, and Contracts & Procurement training this quarter.

Q2 - Supervisors participated in Labor Relations, Travel Management & Financials, and Attendance training this quarter.

Q1 - A tentative training schedule for supervisors has been developed for 2019. Supervisors participated in a NWPPA Webinar titled Communications Across Generations.

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2. - Enhance e-learning opportunities for employees to continuously learn on their own time, at their own pace.

Q3 - Required trainings via Vivid Learning LMS were issued to 10 new employees upon hire in the third quarter. Employees throughout the District continue to self-enroll in Vivid safety training courses as point qualifications in the Safety Incentive Program. Summit Law Webinars continued to be utilized during the quarter for Manager and Supervisor trainings.

Q2 - Vivid Learning Systems was utilized to assign required training to five new hires. Employees continued to self-enroll in Vivid safety trainings to earn points in the Safety Incentive Program. Several Summit Law Webinars, which focus on labor and employment law issues, were attended by Supervisors.

Q1 - The Human Resources team attended several Employment and Labor Law Webinars delivered by Summit Law. Multiple employees have taken advantage of IBM MS Word and Excel tutorials. Human Resources continued to offer Ethics and Conduct - Culture of Compliance and Workplace Violence Prevention web- trainings to employees upon hire to be completed at their convenience during the requested time-frame.

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3. - Develop programs that promote an "informed workforce" that will provide short, periodic updates to managers and supervisors via video related to strategic and other emerging issues.

Q3 - The District held Informational Rate Meetings for employees to provide the opportunity to learn about and better understand the rate changes Benton PUD is facing. These informational meetings help keep employees updated with rate decisions, keeping staff informed and equipped to answer customer questions.

Q2 - Voluntary Informational Meetings on River Systems and Reliability were held in May and well attended by employees.

Q1 - Employee informational meetings have been scheduled in Q2. Topics will include River Systems and Reliability.

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4. - Develop new approaches to recruitment by using branding and social media in order to attract and retain diverse and talented employees.

Q3 - Continue to utilize Benton PUD's Twitter and Facebook accounts to communicate job opportunities. Continue to utilize online Diversity and Veteran job boards for recruitment.

Q2 - Continue to utilize Benton PUD's Twitter and Facebook accounts to advertise job openings. Expanded job posting outreach in Facebook to target potential Journeymen Linemen. Continue to utilize Veteran and Diversity networks.

Q1 - Utilized Benton PUD's Facebook and Twitter accounts to get the word out about open positions and job postings. Utilized Veterans and Diversity networks for all external postings. Expanded recruitment area to Mountain States in an effort to attract Lineman Journeyman applicants.

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5. - Explore new benefit offerings for employees to improve employee retention.

Q3 - Two new virtual care offerings were launched in Q3 - Teledoc and Talkspace. The Local Wellness Task Force conducted an employee survey to evaluate interest in different dimensions of wellness and program activities.

Q2 - The CWPU UIP is exploring several new employee benefit offerings which potentially will be launched in Q4 2019 and Q1 2020.

Q1 - No updates this quarter.

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6. - Continue communication and collaboration with IBEW in order to maintain positive employee/employer relationships.

Q3 - Negotiations began for the 2020-2023 Collective Bargaining Agreement; Tentative Agreements reached included local, joint (Benton / Franklin) and CWPU UIP.

Q2 - Three (3) Labor Management Meetings were held.

Q1 - One labor management meeting was held. The District collaborated with IBEW to deliver Respectful Workplace training to all Operations foreman, supervisors and shop stewards.

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7. - Execute employee and manager human resources self-service which enhances employee engagement and provides access to information.

Q3 - Deferred - Looking at NISC HR Connect implementation in 2020.

Q2 - This strategic action item has been deferred.

Q1 - No updates this quarter.

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8. - Leverage workforce data analytics to help make workforce decisions (trends, benchmarking, staffing needs, talent acquisition and development, retention, wellness initiatives, compensation and benefits).

Q3 - The CWPU Wellness Program Status report was updated and will be ready to be published in Q4. This report will provide employees with secure access to their personal details on the parts of the program they have completed.

Q2 - No updates this quarter.

Q1 - HR worked with IT to complete 2019 Affirmative Action Plan (AAP) reports and initiated process to create employee accessible Tableau report showing status towards completion of CWPU Wellness Program activities needed to receive 2020 incentive.

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9. - Develop videos made by each department that inform employees on important aspects of the department's role in the District as well as other key issues.

Q3 - This strategic item has been deferred.

Q2 - No updates this quarter.

Q1 - No updates this quarter.

Strategic Anchor: Stewardship

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1. - Explore emerging healthcare strategies to help contain costs for the District and its employees while preserving the integrity of our benefit plans.

Q3 - Walktober launched at the end of Q3, 130 final participant count / 11 teams. Well-being education opportunities (4) including; Tri-City Cancer Center Nutrition, FIT, HPV and ICMARC Social Security Steps. Wellness Task Force regulatory training and research on wellness program design completed.

Q2 - Spring into Motion was launched and concluded in this quarter. Several CWPU wellness activity opportunities were offered to employees by the Tri-Cities Cancer Center and ICMA.

Q1 - The CWPU UIP Wellness Program was launched in Q1. Engaged and combined local wellness committee and EIAC to create a Wellness Task Force responsible for developing a Local Wellness Program structure and strategy recommendation for management.

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10. - Implement commercial green retail rates for customers to achieve corporate sustainability goals.

Q3 - Rate Schedule 100 was removed in September by the Commission. Staff will continue to monitor sustainability goals and make recommendations as needed for rate structures to accommodate these goals.

Q2 - Staff is recommending cancelling rate Schedule 100, Green and Carbon Free Rates. Hydropower is beginning to be recognized as a carbon free renewable resource by the corporate community. The District will also be near 100% carbon free starting in 2020. With these factors in play, rate Schedule 100 is no longer necessary. Staff will continue to monitor sustainability goals and make recommendations as needed for rate structures to accommodate these goals.

Q1 - Staff is monitoring the current legislative session prior to proceeding with green rates.

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11. - Evaluate options for a new large load policy providing flexibility to the District to maximize retail revenues that would benefit all customers.

Q3 - No updates for this quarter.

Q2 - No updates for this quarter.

Q1 - No updates for this quarter.

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12. - Pursue legislation that would explicitly enable public utility districts to provide incentive programs for customers' electric vehicle charging infrastructure.

Q3 - This item is complete as the bill has passed and Benton PUD is now working on implementation. EV Incentives are included as an action item in the draft 2020-2021 plan.

Q2 - Substitute House Bill 1512 passed the legislature. Benton PUD has formed a project team to work on implementation and specifically address development of an incentive.

Q1 - HB 1512 - concerning electrification of transportation - was introduced this legislative session and has advanced to the Senate. The bill passed the House by a vote of 64/33 and at the time of this writing is awaiting a vote in the Senate. Staff will continue to monitor this bill as it moves through the legislative process.

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13. - Educate, inform and influence the state and federal representatives on issues that impact Benton PUD's customers including:

a. - Modifications to the Energy Independence Act.

Q3 - No updates for this quarter.

Q2 - No updates for this quarter.

Q1 - No updates for this quarter.

b. - Carbon Initiatives

Q3 - Over thirty attendees participated in Benton PUD's strategic planning session on resource adequacy. The focus was how do we maintain grid reliability and affordability in a clean energy era. Presenters included Arnie Olson from E3 and Therese Hampton from PGP.

Q2 - Engrossed Second Substitute Senate Bill 5116 passed the legislature and was signed into law. Utilities must eliminate coal from their portfolio by 2025; serve retail load with carbon-neutral services by 2030 and carbon-free services by 2045. Hydropower and nuclear are considered eligible renewable resources under the legislation. Other provisions included: federal incremental hydro, Clean Energy Action Plans and low-income energy assistance programs.

Q1 - Benton PUD worked with our lobbyist and collaborated through WPUDA and the Public Generating Pool to provide comment and feedback on Senate Bill 5116 - Washington Clean Energy Transformation Act - introduced this session. The bill passed the Senate and is awaiting action in the House Finance Committee.

c. - Distributed generation

Q3 - No updates for this quarter.

Q2 - House Bill 1126 passed the legislature and was signed into law. The legislation allows but does not require a customer-owned utility to develop a Distributed Energy Resource (DER) plan.

Q1 - The District worked with WPUDA to monitor HB 1126 - Enabling electric utilities to prepare for the distributed energy future - that was introduced this session. WPUDA had concerns. The bill would allow the governing board of a customer-owned utility to develop a Distributed Energy Resource (DER) pilot program and identifies actions a utility should take if it undergoes such a program. The legislature is required to conduct an initial review of the state's policy pertaining to DER planning. The bill passed the House and is currently awaiting a floor vote in the Senate.

d. - Telecommunications

Q3 - No updates for this quarter.

Q2 - Second Substitute Senate Bill 5511 passed the legislature and was signed into law. The legislation called for creation of the Governor's Statewide Broadband Office. Utilities are authorized to temporarily provide retail internet services in the event no other provider is available.

Q1 - The District worked with WPUDA to monitor SB 5511/ HB 1498 - Expanding broadband services - introduced during the session. The bills create the Governor's Statewide Broadband Office, require the Public Works Board to establish a competitive grants and loans program for broadband and authorize PUDs to temporarily provide retail internet services. The House bill is moving and awaiting action in the Senate Ways & Means Committee.

e. - Electric vehicle charging infrastructure

Q3 - No updates this quarter.

Q3 - No updates this quarter.

Q2 - Substitute House Bill 1512 passed the legislature and was signed into law. Consumer-owned utilities may adopt an electrification of transportation plan that establishes outreach and investment in EVs. Cost may not increase more than 0.25 percent. The District has formed a project team to work on implementation.

Q1 - The District worked with our lobbyist to support HB 1512 - concerning electrification of transportation - introduced this session. The bill passed the House with a vote of 64/33 and is awaiting a vote in the Senate.

f. - Value of hydroelectric power/salmon recovery efforts

Q3 - PNWA in conjunction with the Washington State Potato Commission held a legislative tour of Ice Harbor. Almost forty legislators from Western Washington were in attendance. Benton PUD partnered with Franklin PUD and the Tri-City Legislative Council to host a reception following the tour. There was good attendance and discussion of the value of the federal hydro system.

Q2 - The final biennial budget included a total of $750,000 to study the impacts of potential breaching or removal of the lower Snake River dams. The District will monitor activities closely.

Q1 - Benton PUD is working with our lobbyist and coalition of interested parties to communicate concerns with a budget proposal that would include $750,000 to study the impacts of potential breaching or removal of the lower Snake River dams. The District opposed that provision in both the Governor's proposed budget and SB 5123 - Biennial Operating Budget. The language was not included in the House Operating Budget.

g. - Low income assistance programs

Q3 - No updates for this quarter.

Q2 - No updates for this quarter.

Q1 - No updates this quarter.

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14. - Increase citizen engagement in Kennewick and Prosser through a multi-channel approach that include school education programs, "Plug into Your Future" strategic education meetings, website videos, social media, speaker's bureau, customer focus groups, and "special topic" stakeholder panels.

Q3 - Benton PUD held a Low Income Workshop for community service organizations in both Kennewick and Prosser. Both sessions were well attended. A presentation was provided on our low income program offerings, including our new Pay As You Go program. Attendees also received a SmartHub demonstration. Finally, a history of our conservation programs and low-income weatherization rebates was also provided.

Q2 - Benton PUD attended the Senior Times Expo and shared information about our low income programs, participated in the City of Kennewick's Earth Day events by providing trees to be planted, hosted the Southridge High School students for a tour of Ice Harbor dam and fourth graders at St. Joe's for Power Day at Benton PUD.

Q1 - Benton PUD attended the Home Builder's Association Regional Home Show and provided information on our tree program as well as hosted a workshop on weatherization and home automation. Staff provided a presentation to Southridge High School Environmental Science classes and volunteered with Junior Achievement providing a lesson on working for a utility. Presentations were made on the Columbia River System at the Horse Heaven Hills Kiwanis and on system reliability at the Badger Club. The District partnered with the Tri-City Regional Chamber of Commerce and Prosser Chamber of Commerce for their annual awards banquets and with TRIDEC for their Economic Outlook event.

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3. - Implement an initial voltage optimization project as a qualifying conservation measure at Kennewick Substation.

Q3 - The Kennewick Substation Voltage Optimization project continues and will be completed in 2020. Energy savings from this project will be applied toward the EIA 2020-21 conservation target and will be audited by the SAO in 2022.

Q2 - No updates for this quarter.

Q1 - Equipment has been ordered and baseline reporting is scheduled to conclude in Q2 2019 with the expectation to begin building the project in 2019. Completion is expected in 2020 and energy savings will be reported in the EIA 2020-2021 biennium.

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4. - Conduct third-party cyber security audit and assess the District's security posture against the Department of Energy's Cybersecurity Capability Maturity Model.

Q1 - Completed in 2018.

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5. - Evaluate and implement the security assessment recommendations as part of the overall cybersecurity strategy.

Q3 - Progress continues on the security assessment recommendations with 26 completed and 18 items remaining. Continued efforts will focus on items that can be addressed through the upcoming Windows 10 upgrade.

Q2 - Staff continues to make progress on the 2018 Security Assessment recommendations. Of the 44 total recommendations, 20 have been completed as of July 2019.

Q1 - In March 2019, staff gave a presentation to the Commission on the District's current state of cybersecurity. As part of the presentation, a comprehensive overview was given of the external 2018 Security Assessment where the District was provided with 44 recommendations that can improve our cybersecurity posture. Staff has completed nine recommendations to date and will continue to provide regular progress updates to the IT Steering Committee and Commission.

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6. - Update the Strategic Technology Plan:

a. - Define the strategic vision of business-driven opportunities for customer engagement and operational technology improvements over the next five years.

Q3 - After completing a scope of work assessment with an APPA Hometown Connections consulting firm, staff has decided to move this action item to an internal conducted effort where the focus will be to identify and prioritize optimization opportunities within each functional business area. This effort will take place starting in Q1 2020.

Q2 - Staff is working with APPA Hometown Connections to determine if they have appropriate resources to conduct the Strategic Technology Planning. Requirements are being finalized and based on meeting outcomes, an RFP for consulting services may be issued in early August 2019.

Q1 - The District will incorporate the Strategic Technology Planning process in with the 2019 effort for Strategic Planning. As part of this process, System Owners/Module Leads representing major technology functions within the Business Units will be asked to present their respective visions for a 3 - 5 year planning horizon so as to feed 2019 Strategic Plan efforts.

b. - Develop a Master Data Management Plan to define the processes, governance, policies, standards and tools that will manage critical data as a single point of reference.

Q3 - The Data Team has completed the framework for Master Data Management and utilize this as a guideline for building out a robust, secure, and efficient data management architecture.

Q2 - No updates for this quarter.

Q1 - The Data Team has started creating the overall document that will capture the data requirements for use in District Data Analytics Strategy going forward. The plan is to have the document completed by Q4 2019.

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7. - Develop and implement plans to establish cost of service tolerance bands within which customer class rates should be adjusted to over time.

Q1 - Completed in 2018.

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8. - Ensure adequate fixed-cost recovery through appropriate increases to the customer daily system charge; increases should benchmark to the median base charge of comparable northwest utilities.

Q3 - The District's base charge (Daily System Charge) is just slightly less than the median of comparable northwest utilities. Staff will continue to monitor.

Q2 - The District's base charge (Daily System Charge) is just slightly less than the median of comparable northwest utilities. Staff will continue to monitor.

Q1 - The District's base charge (Daily System Charge) is just slightly less than the median of comparable northwest utilities. Staff will continue to monitor.

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9. - Monitor industry developments related to the use of residential demand charges.

Q3 - Staff continues to monitor developments related to residential demand.

Q2 - Staff continues to monitor developments related to residential demand. Flathead Electric has implemented a residential demand charge effective June 1, 2019 of $0.26/kW.

Q1 - Staff continues to monitor developments related to residential demand.

X	*Business Agenda*
	Second Reading
	Consent Agenda
	Info Only/Possible Action
	Info Only

COMMISSION MEETING AGENDA ITEM

Subject:	Work Order 584434 – New Southridge Substation Construction Work Order 511679 – Southridge Substation Transmission Interconnect	
Agenda Item No:	10a	
Meeting Date:	November 12, 2019	
Presented by:	Evan Edwards	*Staff Presenting Item*
Approved by (dept):	Rick Dunn	*Director/Manager*
Approved for Commission review:	Chad B. Bartram	*General Manager/Asst GM*

Motion for Commission Consideration

Motion approving work orders #584434 and 511679 for the construction of Southridge Substation and the associated BPA transmission interconnection respectively.

Background

Development in the Southridge and South Thompson Hill area has continued. Current available capacity in the area is limited to roughly 5MW and is currently being served via the end of three distribution circuits.

Southridge Substation (WO 584434) will install a new 25MVA power transformer bay and metalclad switchgear on the recently acquired property at 6190 W. Brinkley Rd. The new substation will consist of 4 distribution feeders that will be installed to serve the loads immediately surrounding the substation and will provide capacity for growth along Bob Olsen Pkwy and Ridgeline Drive and development to the west. Feeders from Southridge Substation will connect to Ely Substation Feeders near Trios Hospital and future Orchard View Feeders to the west. In the future Southridge Substation Feeders will tie to Zephyr Heights Substation feeders south of the Canyon Lakes community.

WO 584434 will include grading, City of Kennewick sewer line relocation, concrete structures, fencing and equipment procurement for the first bay with consideration given to the addition of up two additional future substation bays.

WO 511679 is for transmission interconnection work needed to provide transmission service to Southridge Substation and covers construction costs by both BPA and the District to build the tap into the new substation.

Summary

Construction of Southridge substation and the associated transmission tap will ensure adequate capacity for both short and long term development of the Southridge/South Thompson Hill area.

Fiscal Impact

The 2020 Budget includes $2.2 Million for the Southridge Substation construction effort (WO 584434). The 2019 budget included $1.4 Million for the BPA transmission interconnection. The District received a revised estimate of $690,167 from BPA on 11/1/2019 for BPA's portion of construction costs for this interconnection (WO 511679).

Projects to be presented at the Benton PUD

Commission Meeting On

November 12th, 2019

Project Name: New Southridge Substation & BPA Interconnection

WO#: 584434/511679 **Location:** 6190 W. Brinkley Rd.

Justification: Relieves Capacity constrains in Southridge and South Thompson Hill Area

Location Map

X	*Business Agenda*
	Second Reading
	Consent Agenda
	Info Only/Possible Action
	Info Only

COMMISSION MEETING AGENDA ITEM

Subject:	Contract Award Recommendation for Contract #19-21-66 – U.S. Department of Energy, Bonneville Power Administration	
Agenda Item No:	L(b)	
Meeting Date:	November 12, 2019	
Presented by:	Rick Dunn	*Staff Presenting Item*
Approved by (dept):	Rick Dunn	*Director/Manager*
Approved for Commission review:	Chad B. Bartram	*General Manager/Asst GM*

Motion for Commission Consideration

Motion authorizing the General Manager on behalf of the District to sign Contract #19-21-66 with U.S. Department of Energy, Bonneville Power Administration, for the Southridge Substation Interconnection for a not-to-exceed amount of $690,167.00 with an expiration date of November 11, 2024.

Background

On June 3, 2014, the District submitted a Line and Load Interconnection Request (Request), seeking to interconnect the District's proposed Southridge Substation to the Bonneville Power Administration's (BPA) Franklin-Badger Canyon No. 1 115 kV transmission line. The Request was entered in BPA's Line and Load Interconnection Queue as Request No. L0372.

As required by BPA's interconnection process, the District has completed the pre-requisite steps required before construction can proceed, which include the following:

- Executed Contract #14-21-16 (BPA Agreement No. 14TP-10660) for BPA to complete a Facilities Study report that was delivered on January 25, 2018 with a cost estimate of $1,429,255.00, which included BPA providing the metering and assumed using contract construction labor.
- Executed Contract #18-21-95 (BPA Agreement No. 18TP-11592) for BPA to complete their environmental study, which was completed as of February 28, 2019, with a categorical exclusion determination.
- Executed Contract #18-21-37 (BPA Agreement No. 18TP-11500) for BPA to complete the preliminary engineering and scoping activities, which has concluded with BPA tendering this construction agreement.

BPA's Construction Agreement No. 19TP-11848 (Agreement) reflects a project completion date of December 31, 2020 and updated cost estimate of $690,167.00. This Agreement replaces in its entirety the version previously issued on October 8, 2019 that had a cost estimate of $1,131,080.00, based on using contract construction labor. After the District questioned the

high contract labor costs, BPA committed to using their own construction crews and issued this revised Agreement with the cost estimate reduced.

Summary

Executing and funding the Agreement is required for construction of the Southridge Substation transmission interconnection.

Fiscal Impact

The cost of performing the project by BPA at the District's expense shall be the actual cost of doing the work, plus overhead rates. BPA is requesting that the District advance $690,167.00, the estimated project cost, to BPA upon execution of this Agreement. The District's 2019 capital budget is $1,429,255.00, the same as the January 2018 facilities study estimate. In addition to a cost reduction from BPA using their own resources for construction, the cost estimate was also reduced from the January 2018 facilities study amount due to a change from installing 230-kV steel tower structures to instead using wood pole structures and a change to the District providing the metering.

U.S. DEPARTMENT OF ENERGY
BONNEVILLE POWER ADMINISTRATION
AGREEMENT

1. AGREEMENT NUMBER	2. AGREEMENT EFFECTIVE FROM DATE IN BLOCK 4 UNTIL	3. AMENDMENT NO	4. EFFECTIVE DATE
19TP-11848	See Section 7 of the Division of Responsibilities Statement	-0-	Same as Block #17

ISSUED TO	ISSUED BY
5. ORGANIZATION AND ADDRESS **Public Utility District No. 1 of Benton County** **ATTN: Mr. Rick Dunn, Senior Director of Engineering and Power Management** **2721 W 10th Avenue** **Kennewick, WA 99336**	6. ORGANIZATION AND ADDRESS **U.S. Department of Energy** **Bonneville Power Administration** **ATTN: Shari Sundeen – TPCC/TPP-4** **P.O. Box 61409** **Vancouver, WA 98666**
7. TECHNICAL CONTACT: **Evan Edwards** — PHONE NUMBER: **(509) 582-1232**	8. TECHNICAL CONTACT: **Jared Lacambra** — PHONE NUMBER: **(509) 822-4605**
9. ADMINISTRATIVE CONTACT: **Blake Scherer** — PHONE NUMBER: **(509) 585-5361**	10. ADMINISTRATIVE CONTACT: **Martin Wick** — PHONE NUMBER: **(360) 619-6818**

11. TITLE/BRIEF DESCRIPTION OF WORK TO BE PERFORMED UNDER THIS AGREEMENT

CONSTRUCTION ACTIVITIES FOR THE PUBLIC UTILITY DISTRICT NO. 1 OF BENTON COUNTY SOUTHRIDGE SUBSTATION LINE AND LOAD INTERCONNECTION REQUEST L0372

This Reimbursable Agreement (Agreement) between the Bonneville Power Administration (BPA) and Public Utility District No. 1 of Benton County (Benton PUD) provides for construction activities associated with the interconnection of Benton PUD's proposed Southridge Substation into BPA's transmission system (reference Request No. L0372 in BPA's Line and Load Interconnection Queue).

Specific duties are defined in the Division of Responsibilities Statement.

The following documents are attached to and become a part of this Agreement:

- **Division of Responsibilities Statement**
- **Financial Terms and Conditions Statement**

12. AMOUNT TO BE PAID BY BPA	13. AMOUNT TO BE PAID TO BPA
$-0-	**$690,167 (estimated)**
14. SUBMIT SIGNED AGREEMENT TO **U.S. Department of Energy** **Bonneville Power Administration** **ATTN: Shari Sundeen – TPCC/TPP-4** **P.O. Box 61409** **Vancouver, WA 98666**	15. ACCOUNTING INFORMATION *(For BPA Use Only)* 16. SUBMIT INVOICE TO *(Name and Address)* **Same as Block #5 above.**

PARTICIPANT		BPA	
17. APPROVED BY *(Signature)*	DATE *(mm/dd/yyyy)*	18. APPROVED BY *(Signature)*	DATE *(mm/dd/yyyy)*
	11/12/2019	Eric H. Carter Digitally signed by ERIC CARTER Date: 2019.11.01 14:24:28 -07'00'	
NAME AND TITLE **Chad B. Bartram, General Manageer**		NAME AND TITLE **Senior Transmission Account Executive Transmission Sales**	

BPA and Benton PUD hereby agree as follows:

1. DIVISION OF RESPONSIBILITIES

(a) **BPA shall, at Benton PUD's expense:**

(1) Provide Benton PUD with BPA's Metering Applications Guide (MAG) STD-DC-000005-00-04.

(2) Coordinate with Benton PUD staff when the meter is ready to be tested. BPA's SPC staff will verify current transformer (CT) and potential transformer (PT) ratios are correctly programed into the meter, and will perform in-service meter testing.

(3) Program BPA's Revenue Meter System data acquisition systems to retrieve MV-90 data via a BPA-provided cellular modem from Benton PUD's revenue meter.

(4) Provide Benton PUD with BPA's design plans describing proposed modifications to BPA's Franklin-Badger Canyon No 1 115 kV line necessary to accommodate Benton PUD's Southridge Substation.

(5) Review Benton PUD's design of its Southridge Substation Tap line.

(6) Design, procure materials for, and install any modifications to BPA's Franklin-Badger Canyon No 1 115 kV line necessary to accommodate Benton PUD's Southridge Substation tap line. Modifications include, but are not limited to, new or removed wood pole structures, insulators, hardware, conductor, guys, anchors, and two 115 kV sectionalizing switches.

(7) Provide jumpers for and make final connections to Benton PUD's Southridge 115 kV tap line.

(8) Perform relay coordination on the Franklin-Badger Canyon No 1 115 kV line.

(b) **Benton PUD shall, at Benton PUD's expense:**

(1) Design and construct Benton PUD's Southridge 115/12.5 kV Substation, new control house, associated switches, and associated tap line.

(2) Provide to BPA, as soon as available, the power transformer's nameplate, type of relaying to be installed, and 115 kV circuit switcher information.

(3) Perform the following duties according to BPA MAG specifications:

(A) Design, provide, and install CTs and PTs for Benton PUD's revenue meter in accordance with BPA specifications in BPA's MAG STD-DC-000005-00-04.

(B) Design, provide, and install one SEL 735 three-element revenue meter that meets BPA's standards at Benton PUD's Southridge Substation.

(C) Provide BPA with the nameplate data of the CTs and PTs and either factory or field test data.

(D) Complete the BPA Metering Services Customer Meter Setup Form two weeks prior to energization to allow BPA calibration MV-90 communication to Benton PUD's revenue meter.

(E) Install a pre-wired demarcation terminal block for the CT and PT output for the BPA metering, and a 120 VAC power sources and convenience outlet in the new control house.

(F) Notify BPA's Franklin District System Protection & Control (SPC) District Engineer at (509) 542-5421 a minimum of six weeks prior to the planned energization of Southridge Substation, to allow SPC time to schedule the installation and testing of the revenue meter circuits and perform final in-service checks.

(G) Provide assistance to BPA in the testing of the CT and PT circuits prior to energization.

2. OWNERSHIP, OPERATION AND MAINTENANCE

(a) BPA shall, at BPA's expense, own, operate, and maintain the Franklin-Badger Canyon No 1 115 kV poles, line side of jumpers, insulators, sectionalizing disconnect switches, switch structures, and all associated equipment installed by BPA under Section 1(a) above, and the revenue meter installed by Benton PUD under Section 1(b)(3)(B).

(b) Benton PUD shall, at Benton PUD's expense, own, operate, and maintain Southridge Substation, Southridge Substation tap line up to the jumpers, and all equipment installed by Benton PUD under Section 1(b), except for the revenue meter referenced in Section 1(b)(3)(B).

3. ACCESS

Benton PUD grants BPA access to enter its facilities described under this Agreement at all reasonable times and in accordance with safety and security requirements in order to access and perform the in service checks on the equipment installed by BPA under Section 1(b)(3)(B) above, as long as such equipment remains within Benton PUD's facilities.

4. RELATED AGREEMENTS

(a) BPA and Benton PUD shall update Exhibit A, and add a Table No. 24, to Access and Ownership Agreement No. 16TX-16277 to document the new equipment installed herein and the parties' respective responsibilities.

(b) BPA and Benton PUD intend to enter into a separate long-term agreement that describes the classification of network upgrades eligible for transmission credits, as applicable, and the terms of repayment of such credits.

5. ENVIRONMENTAL COMPLIANCE

BPA issued an Environmental Clearance Memorandum regarding this project on January 1, 2019, indicating that National Environmental Policy Act requirements have been met.

6. PROJECT SCHEDULE

The estimated completion date for this project is December 31, 2020.

7. TERMINATION

This Agreement shall become effective upon execution by both parties and shall terminate upon full performance by both parties of their respective obligations set forth herein, but in no event shall the term of this Agreement exceed five years from its effective date.

BPA's cost of performing the project at Benton PUD's expense shall be the actual cost of doing the work specified in this Agreement, plus an overhead rate of 41%, representing the indirect costs of the project office plus the contractual support costs of contract negotiation, billing and accounting functions, and contract management.

Benton PUD hereby agrees to advance $690,167, the estimated project cost, to BPA upon execution of this Agreement. Payments made to BPA shall be held in an account established for this Agreement.

If BPA needs additional funds to complete the work at any time during performance of the project, BPA may request, in writing, for Benton PUD to advance such additional funds to BPA for deposit in the account. Benton PUD shall advance such additional funds within 30 days of BPA's written request, and BPA may temporarily stop work until Benton PUD supplies the requested funds. If Benton PUD does not advance such additional funds by the due date or, if at any time before completion of the project Benton PUD elects to stop work under this Agreement, BPA has the right to cease all work and restore, as a cost to the project at Benton PUD's expense, government facilities and/or records to their condition prior to the beginning of work under this Agreement.

Within a reasonable time after completion of the project, BPA shall make a full accounting to Benton PUD showing the actual costs charged against the account. BPA shall either remit any unexpended balance in the account to Benton PUD or bill for any costs in excess of the deposits in the account. Benton PUD shall pay any excess costs within 30 days of the invoice date (due date).

Payments not received by the due date will accrue interest on the amount due beginning the first calendar day after the due date to the date paid, at an annual interest rate equal to the higher of i) the prime rate (as reported in the Wall Street Journal in the first issue published during the month in which payment by Benton PUD is due) plus 4 percent; or ii) such prime rate multiplied by 1.5.

x	*Business Agenda*
	Second Reading
	Consent Agenda
	Info Only/Possible Action
	Info Only

COMMISSION MEETING AGENDA ITEM

Subject:	Resolution No. 2521, Adopting the District's Electrification of Transportation Plan	
Agenda Item No:	10c	
Meeting Date:	November 12, 2019	
Presented by:	Chris Johnson	*Staff Presenting Item*
Approved by (Dept):	Rick Dunn	*Director/Manager*
Approved for Commission review:	Chad Bartram	*General Manager/Asst GM*

Motion for Commission Consideration:
Motion to adopt Resolution No. 2521, adopting the District's Electrification of Transportation Plan, effective November 12, 2019.

Recommendation/Background
During the 2019 session, the Washington State Legislature approved Substitute House Bill 1512 (SHB 1512) allowing electric utilities to determine the appropriate role in electrification of transportation infrastructure, which will result in cost savings and benefits for its ratepayers.

During the District's strategic planning session on July 25, 2019, updates were presented on the newly passed legislation and staff was instructed to prepare a District Electrification of Transportation Plan for the Commission's consideration.

Staff will present the District's Electrification of Transportation Plan and is recommending commission adoption.

Summary
Approval of Resolution No. 2521 will allow the District to offer incentives/rebates, advertise, and promote the adoption of electric vehicles. While the plan initially results in costs to the District by offering cash incentives to purchasers of electric vehicles, the overall desired result is to increase our brand recognition as a clean fuel for transportation which over the long term will result in beneficial load growth and continue to demonstrate the District's desire to be our customer's Trusted Energy Partner.

Fiscal Impact
As outlined in SHB 1512, the annual cost to implement this Electrification of Transportation Plan can be up to 0.25% of the District's net costs (over $300k). As an initial placeholder staff has included $65,000 for rebates, education, advertising and labor in the 2020 operating budget.

RESOLUTION NO. 2521

November 12, 2019

A RESOLUTION OF THE COMMISSION OF PUBLIC UTILITY DISTRICT NO. 1 OF BENTON COUNTY, WASHINGTON ADOPTING THE DISTRICT'S ELECTRIFICATION OF TRANSPORTATION PLAN

WHEREAS, the Legislature of the State of Washington passed Substitute House Bill 1512, (SHB 1512) an act relating to the electrification of transportation; AND

WHEREAS, SHB 1512 authorizes the governing body of a public utility district to adopt an electrification of transportation plan and to offer incentive programs in the electrification of transportation; AND

WHEREAS, The Electrification of Transportation Plan, at a minimum, should establish a finding that utility outreach and investment in the electrification of transportation infrastructure does not increase net costs to ratepayers in excess of 0.25%; AND

WHEREAS, SHB 1512 authorizes Public Utility District No. 1 of Benton County (District) to offer incentive programs in transportation electrification for its customers, including the promotion of electric vehicle adoption, and advertising programs promoting the District's services, incentives, or rebates; AND

WHEREAS, in adopting the Electrification of Transportation Plan, the District may consider some or all of the following:

- The applicability of multiple options for transportation electrification across all customer classes;
- The impact of electrification on the District's load, and whether demand response or other load management opportunities, including direct load control and dynamic pricing, are operationally appropriate;
- System reliability and distribution system efficiencies;
- Interoperability concerns, including the interoperability of hardware and software systems in electrification of transportation proposals; and
- Overall customer experience; AND

WHEREAS, the overall desired result of the District's Electrification of Transportation Plan is to develop and implement a customer electric vehicle program as allowed by legislation, promote load growth, and demonstrate being our customer's Trusted Energy Partner; AND

WHEREAS, implementation of the Electrification of Transportation Plan will result in cost savings and benefits for all the District's ratepayers.

NOW, THEREFORE BE IT RESOLVED by the Commission of Public Utility District No. 1 of Benton County, that Resolution 2521, Adopting the District's Electrification of Transportation Plan, dated November 12, 2019, is approved.

BE IT FURTHER RESOLVED that the General Manager or his designee is directed to implement the District's Electrification of Transportation Plan.

APPROVED AND ADOPTED by the Commission of Public Utility District No. 1 of Benton County, Washington at an open public meeting as required by law this 12th day of November 2019.

_____
Jeffrey D. Hall, President

ATTEST:

_____
Barry Bush, Secretary

Benton PUD
Electrification of Transportation Plan
November 12, 2019

EV Connections
BENTON PUD

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Executive Summary

Global, federal and local governments continue to express serious concerns about greenhouse gas (GHG) emissions and to set goals for reductions. Washington state GHG emission reduction targets have been identified in RCW 70.235.020(1) and include goals to reduce overall emissions of GHG gases to 1990 levels by 2020 and twenty-five percent below 1990 levels by 2035. The Washington State Department of Ecology Greenhouse Gas Emissions Inventory published in December 2018 indicates the transportation sector contributes 42.5% of the state's GHG emissions based on 2015 data. This compares to a 19.5% contribution from the electricity sector which is relatively low thanks to the large amount of energy produced by hydro and nuclear generation. These numbers indicate meeting state GHG emission reduction goals will be most challenging in the transportation sector and that the availability of emission free hydro and nuclear energy as fuel for electric vehicles will be critical.

Enacted this year, Washington State Substitute House Bill (SHB) 1512, an act relating to the electrification of transportation could result in cost savings and benefits for all electric utility ratepayers. This bill allows electric utilities to now offer incentives/rebates, advertise, and promote electric vehicle (EV) adoption. In SHB 1512, the Legislature finds that programs for the electrification of transportation have the potential to allow electric utilities to optimize the use of electric grid infrastructure, improve the management of electric loads, and better manage the integration of variable renewable energy resources. The Washington State Legislature believes state policy can achieve the greatest return on investment in reducing GHG emissions and improving air quality by expediting the transition to alternative fuel vehicles, including EVs.

An additional consideration for Benton PUD relative to transportation sector GHG emission reductions is the issue of high ozone concentrations that can occur in the Tri-Cities. Ozone in the earth's upper atmosphere is good, shielding people from harmful ultraviolet radiation, but high levels near the ground are a health hazard. After finding unhealthy ozone levels in the Tri-Cities air in 2015 that were nearly as high as those downwind of Seattle, the Department of Ecology launched a study with support from the Benton Clean Air Agency. The Study was finished in the Spring of 2018 and showed the average ozone levels for 2015 through 2017 exceeded the federal regulatory limit, which could trigger sanctions from the U.S. Environmental Protection Agency (EPA). Helping to mitigate possible EPA sanctions for high ozone levels could be another benefit of increased electric vehicle adoption over the long term.

Benton PUD supports provisions of SHB1512 that enable electric utilities to offer incentives/rebates and to advertise and promote EV adoption. In an era when electric utilities are experiencing little or declining load-growth due to slow economic development, conservation and customer self-generation such as roof-top solar, EVs have the potential to provide benefits to all District customers by helping to preserve and grow revenues which reduces individual customer contributions to fixed cost recovery.

The District is currently forecasting a long annual energy resource position beyond 2030 with a generation portfolio dominated by hydro and nuclear energy resources. The District's current fuel mix is 96% non-emitting which bodes well for our ability to enable net GHG reductions through automobile fuel switching from gasoline to electricity. There are however periods throughout the year and mostly

during evening hours of the summer months when the District is short on capacity and relies on market purchases to maintain load and resource balance. Since EV charging is predominantly done at home and in the evenings, the District will need to manage the addition of EV charges to our customer base along with other high demand equipment and appliances to be sure we do not exacerbate capacity challenges in the future. Increased capacity deficits would increase market purchases which can be from fossil-fuel resources thereby reducing the net GHG reduction benefit of purchasing an EV.

In addition to contributions to GHG reduction efforts, customers who purchase an EV will also realize significant annual fueling cost savings. For example, an approximately $1,000 annual fuel savings is projected based on today's prices if you compare electricity costs to charge an all-electric Chevy Bolt driven 10,000 miles to a gasoline powered vehicle that gets 25 miles per gallon.

Upon adoption of this Electrification of Transportation Plan (EV Plan), the District will begin promoting the benefits of owning an electric vehicle by offering a $250 rebate pilot to customers from any customer class who purchases an electric vehicle. Other electric utilities in the region also offer EV rebates. While providing rebates initially represents a cost to the District, the rebates will allow us to make a connection with new EV owners that will help with brand recognition and establish a pool of possible participants for future pilot programs such as time-of-use rates and demand response.

The District's initial impact assessment shows a slow adoption rate of EVs in the near term with an expectation that it will take many years for material load growth to occur. Bloomberg has projected that by 2037, 50% of global long-term passenger vehicle sales will be EVs. The District is well positioned to move forward with EV promotion and planning due to investments we have made in technology based systems such as advanced metering infrastructure (AMI), geographical information systems (GIS) and a web-based customer billing information portal (SmartHub). The District is also well versed in customer outreach programs such as Solar Connections and conservation.

As required by SHB 1512, the annual EV Plan budget will not exceed 0.25% net cost to rate payers. Annually, the District's EV Plan budget will vary depending on lessons learned and new opportunities identified. The District will continue to monitor and engage in future proposed legislation mandates.

In summary, the overall desired results of the District's EV Plan is to increase our brand recognition as a clean fuel for transportation which over the long term will result in beneficial load growth and continue to demonstrate the District's desire to be our customer's Trusted Energy Partner.

Chapter 1: Background and Objectives

Legislation

Washington State House Bill 1512 passed in April 2019 allowing electric utilities to promote EV adoption including advertising and offering rebates. Electrification of transportation may result in cost savings and benefits for all electric utility ratepayers. This bill allows electric utilities to now offer incentives/rebates, advertise, and promote EV adoption. With this bill, the Washington State Legislature finds that programs for the electrification of transportation have the potential to allow electric utilities to optimize the use of electric grid infrastructure, improve the management of electric loads, and better manage the integration of variable renewable energy resources. Legislators believe that State policy can achieve the greatest return on investment in reducing greenhouse gas emissions and improving air quality by expediting the transition to alternative fuel vehicles, including electric vehicles.

EV Types

The Table below from Hawaii Energy compares three types of electric fueled vehicles to conventional gasoline fueled vehicles.

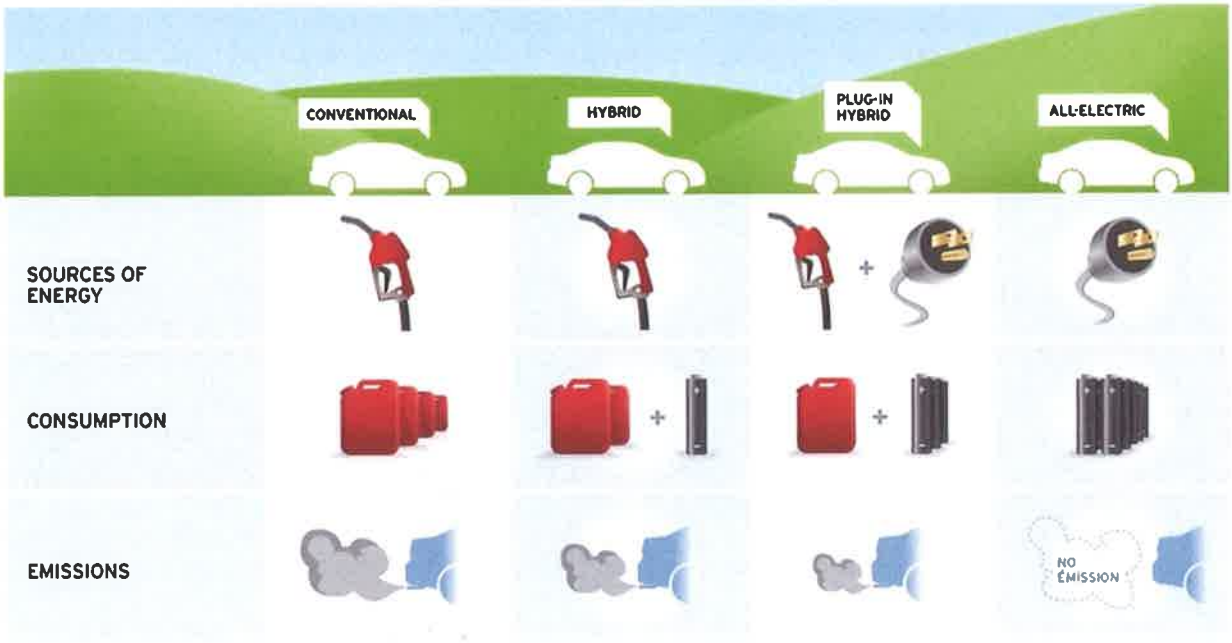


Table 1- Comparison of Conventional to Electric Fueled Vehicles

National EV Sales Projections

While the growth rate is steady and significant, market penetration remains in the early stages, with EVs representing less than one percent of the national light duty market in 2017 as shown in Chart 1 below from the National Automobile Dealers Association.

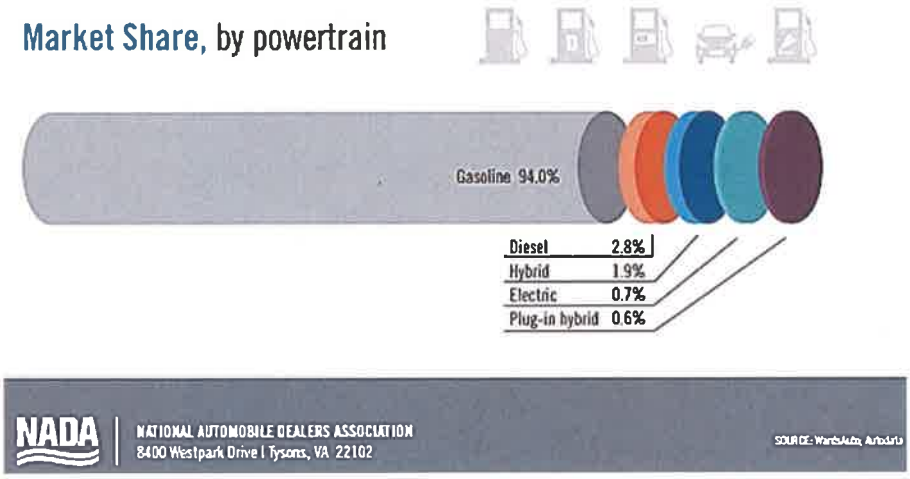


Chart** 1- **EV** Market **Share

As of October 2018, one million plug-in vehicles (PEV) have been sold in the United States joining China and Europe as the only markets to pass that milestone. Federal, state and local governments have promoted EVs with a diverse mix of policies to meet air quality, climate, and energy security goals.

PEV sales began in December 2010 with sales of the Nissan Leaf and Chevrolet Volt. Other PEV models followed, but PEV sales remained below 5,000 per month until September 2012. Cumulative PEV sales reached 500,000 in September 2016 and sales have been greater than 20,000 per month since May 2018, with the highest being 45,000 in September 2018.

In a recent Bloomberg Electric Vehicle Outlook 2019 report and shown in Chart 2 below, it was stated that by 2040, 57% of all passenger vehicle sales are expected to be electric, and over 30% of global passenger vehicles fleet will be electric.

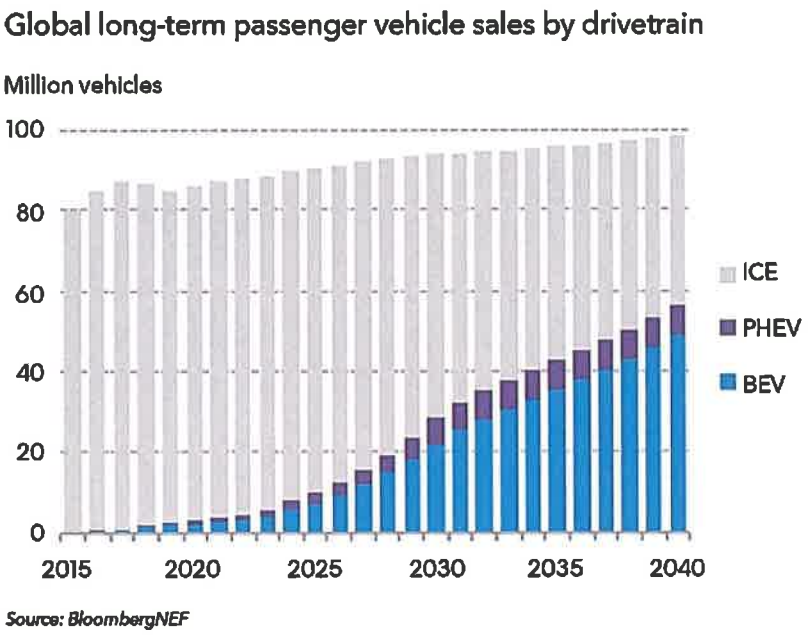


Chart 2– Projected EV Sales by Drivetrain

The rapid uptake in EVs is tied to significant price drop in lithium-ion batteries. Vehicle manufactures are launching many new EV models in the next five years which collectively indicates EV vs internal combustion vehicles (ICE) may have equal number of shares around 2037 as shown in Chart 3 below.

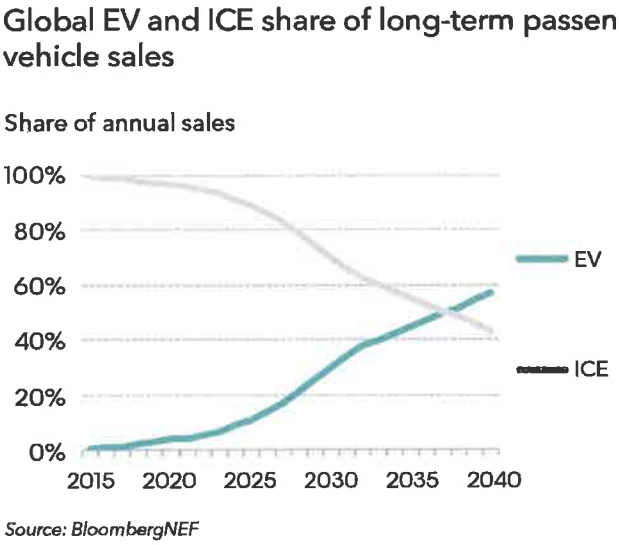


Chart 3 – EV & ICE Share of Vehicle Sales

Electrification is also spreading to the commercial vehicle sector with about 400,000 electric buses on the road today and similar long-term vehicle sale projections by 2040.

Registered EVs in Washington

As of December 31, 2018, Washington State Department of Transportation had 42,542 registered EVs of which 466 were in Benton County as shown in Chart 4 below.

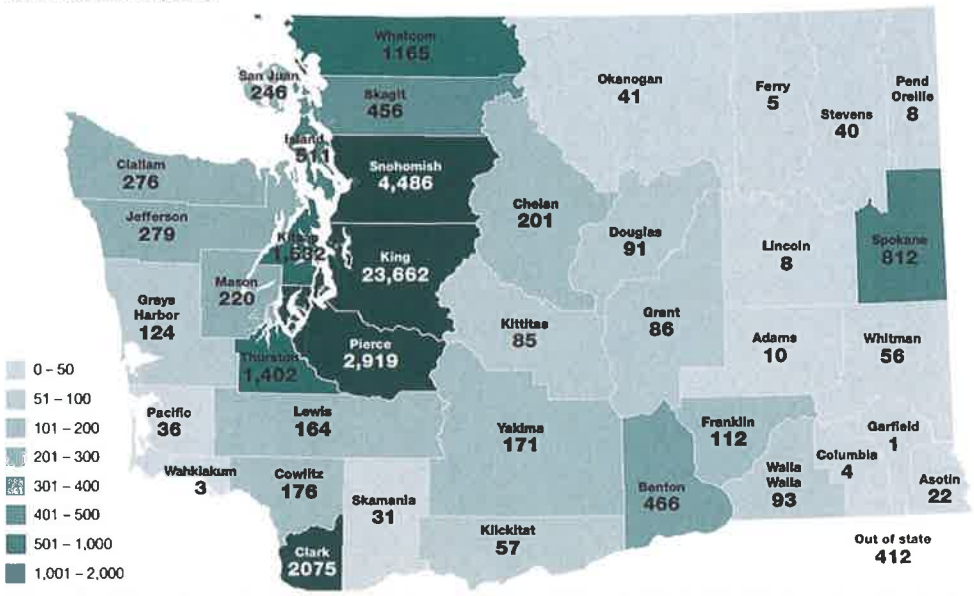


Chart 4 – Electric Vehicles in Washington State

EV Types of Charging

There are three levels of charging station types as shown below in Table 2 from the American Public Power Association (APPA). This table summarizes the key features of each charger level and uses a Tesla EV as an example for miles range per hour of charging. The ideal location to site charging infrastructure varies based on the charging level, technical considerations, charging time, plug type and cost.

Customers who have limited daily commutes or don't drive daily can meet their vehicle charging requirements at home using their level 1 charger and top off their vehicle when needed at a Level 2 charger. Even a customer who has a daily 20-mile round trip commute would have adequate EV recharge time at home if they were plugged into a Level 1 charger for 10 hours before the next day's work. To alleviate range anxiety concerns, Level 2 Chargers are often the most affordable option for home and workplace charging depending on miles driven each day. Typically, DC Fast Chargers (also known as Level 3 Chargers) need higher utilization to help recover the higher cost of investment and operations.

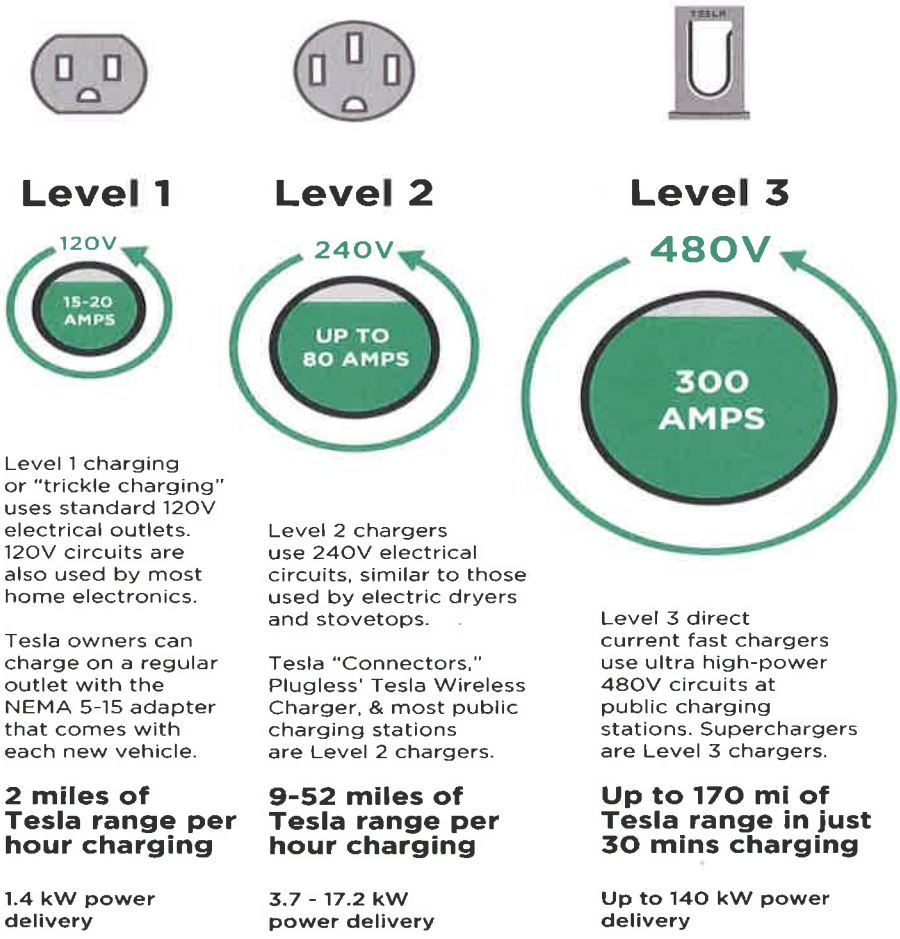


Table 2 - EV Charging Types

Table 3 below is also sourced from APPA *Creating an Electric Vehicle Blueprint for Your Community* and further describes charging infrastructure including estimated cost of charging equipment and installation, and ideal locations for different charging types.

Charger Type	Technical Considerations	Charging Time	Plug Type	Cost of Equipment and Installation	Ideal Locations
Level 1	120 V Alternating Current to Vehicle	2-5 miles range per hour of charging	J1772	Minimal, because this is a standard wall outlet. Most EVs come standard with a Level I cord set.	Home

Level 2	208 or 240 V Alternating Current to Vehicle	10-20 miles range per hour of charging	J1772	A home installation costs between $500 and $2,000, while a commercial installation could cost $6,000 to $10,000.	Home, workplace, and public
DC Fast Charger	480 V Direct Current to Vehicle	60-80 miles range per 20 minutes of charging	J1772 Combo, CHAdeMO, Tesla	The cost can run from $50,000 to $300,000.	Public
DC Ultrafast Charger	480 V Direct Current to Vehicle	100-200 miles ranger per 15 minutes of charging	J1772 Combo, CHAdeMO, Tesla	The cost can run from $50,000 to $300,000.	Public

Table 3 – Summary of Charging Infrastructure

Quantifying EV Charging Infrastructure

Chart 5 below is from a January 2019 White Paper from The International Council on Clean Transportation. This chart shows the breakdown of location of charge points and charging energy source for 2017 and modeled for 2025 for the 100 most populous U.S. metropolitan areas. Overall, it shows that, although there will need to be significant growth in the absolute amount of all charging types (home and nonhome), most charging electrical energy will still come from residential charging in 2025. However, the figure also shows that workplace, public charging, and DC fast charging have higher utilization than home charging in terms of energy delivered per charge point.
https://theicct.org/sites/default/files/publications/US_charging_Gap_20190124.pdf

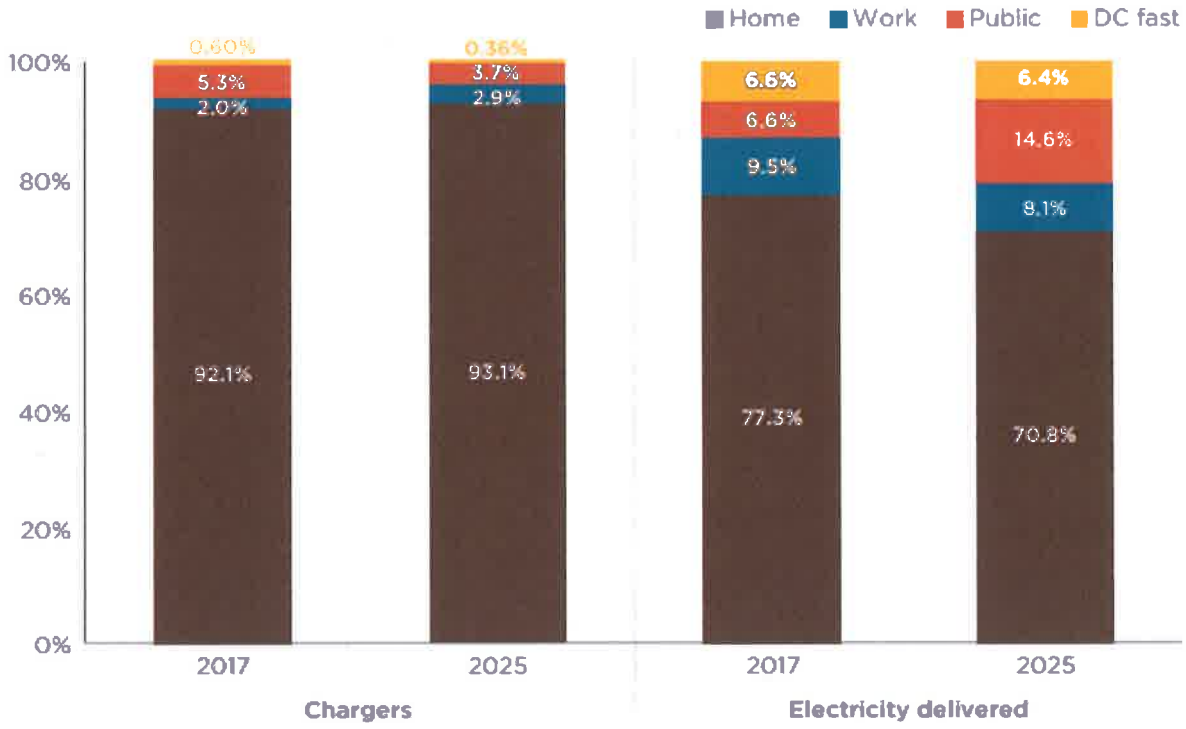


Chart 5 – Electric Vehicle Charging Infrastructure

Load Growth

EVs provide benefits to all our customers by helping to preserve and grow revenues in an era where electric utilities are seeing small or declining load-growth rates due to conservation and customer self-generation such as roof-top solar. Customer education and EV rebates will help motivate customers to purchase EVs. This will help the District grow loads from EV charging and provide downward rate pressure to all customers from selling our excess energy at a retail rate rather than into a depressed wholesale energy market.

The District's 2019 Ten Year Load and Customer Forecast predicts an annual retail load growth rate of 0.27% over the next ten-year period. In order to double the annual load growth through EV adoption, the District would need to add over 1,600 newly registered EVs in our service area annually. This assumes an EV is driven 10,000 miles annually and consumes 2,800 kWh. The takeaway is growth in EV sales will initially be very slow to impact measurable load growth, but with the above national increase in EV sales over the next couple decades, the compounded effects could have much larger load impacts that we will need to monitor and plan for. For now, we need to begin educating our customers to promote the benefits of EV adoption.

Demand Response

Chart 6 below is from a report published by the U.S. Department of Energy in September 2017 titled "National Plug-in Electric Vehicle Infrastructure Analysis" https://www.nrel.gov/docs/fy17osti/69031.pdf This home dominant charging profile assumes 88% of charging takes place at home locations due to the large amount of time vehicles are parked at home and relatively short driving distances. The resulting load profile shows peak demand for EV charging in the evening between 6 and 7 pm compounding the District's existing power deficits which are currently most acute during the summer months when hydro power has diminished, and loads are at their maximum for the year.

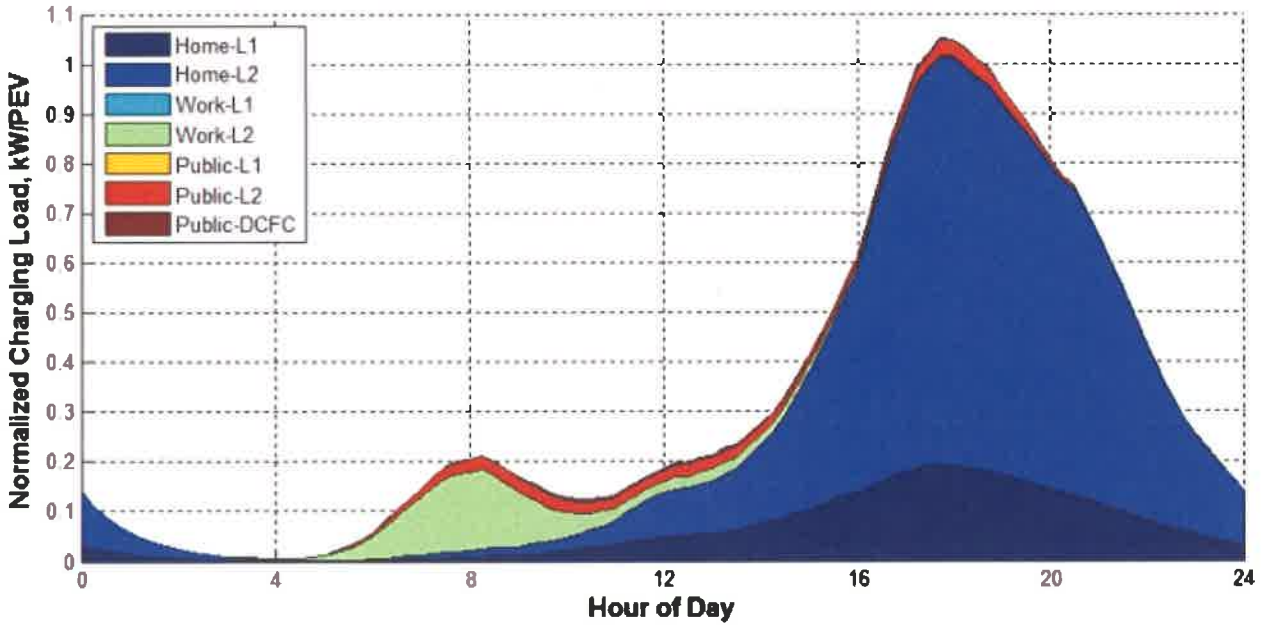


Chart 6 – Nominal Charging Load

In the short-term, with Benton County having only 466 registered EVs as of December 2018, 30% of the existing vehicles (140 EVs) would have to all be charging at the same time with an average 7 kW level 2 charging rate to equal about 1 MW of increased power demand. This is a relatively minor contribution to demand on a system level and would only be significant if all of the EVs were located in the same area on the District's distribution system.

Demand response activities for EV's will likely not occur until many years in the future and the District will need to monitor and track new EV growth rates and future demand response opportunities.

Chapter 2: Electrification of Transportation Plan

Considerations

Washington State SHB 1512 states that in adopting an electrification of transportation plan, the Commission of the District may consider some or all the following items in a) through e) below. Following each item is an explanation of how each was considered in the District's plan.

a) The applicability of multiple options for electrification of transportation across all customer classes

The District will initially offer a customer EV pilot rebate program along with customer education to help promote an increase in all customer classes to purchase EVs. Since the 1980's, the District has exhibited a long history of offering successful conservation rebate programs. Applying similar rebate offerings toward EV purchases will be easily integrated into the Energy Programs department. Once a customer EV Rebate Application (including proof of EV ownership) is completed and processed, the rebate value will be applied to the customer's Benton PUD account. Offering a pilot EV rebate for the purchase of a fully electric vehicle will align with other electric utility EV rebate offerings and provide increased revenue to the District by selling our excess energy to our customers rather than into the depressed wholesale market. The Districts projected payback period for a $250 EV rebate assuming a Chevy Bolt driven 10,000 miles consuming 2,801 kwh annually has a payback range of 1.8 – 2.7 years. *(Calculations are based on difference between wholesale rate estimate range of $0.025-$0.035 and retail rate of $0.0739 multiplied by 2,800 kwh annual consumption).*

$250 EV Rebate Payback Analysis
(based on Chevy Bolt driven 10,000 miles annually)

kWh Sold to Customer	Retail Rate kWh	Retail Revenue	Revenue Difference Range	Payback Years Range
2,800	$0.0739	$207	$109 - $137	**1.8 - 2.7**
kWh Sold to Market	**Market Rate kWh**	**Market Revenue Range**		
2,800	$0.250 - $0.350	$70 - $98		

Another option to pursue will be marketing and education to all customers classes on the financial and environmental benefits of EV ownership. EV education comes in a variety of forms. Awareness is a major obstacle to EV adoption so employee, customer, and auto-dealer education is essential. District employee education helps provide a foundation of knowledge on the benefits to driving an EV. Each person who purchases an EV will have different reasons for their investment. Common customer viewed benefits to driving an EV include financial savings to operate, environmental, performance, convenience, noise reduction, or simply customer choice. The chart below shows a quick list of benefits and obstacles when considering the purchase of an EV.

Benefits & Obstacles to Electric Vehicle Purchase

Benefits

- **More Efficient**
  EVs take half the energy to do the same job as an ICE vehicle
- **More Reliable**
  - EV drivetrain contains about 20 parts whereas ICE contains 2000 + parts
  - EV batteries are improving and will last over 100,000 miles with minimal degradation, costs are falling, and capacity is increasing
- **Cheaper to Fuel**
  - Six times more costly to fuel ICE vehicles than EVs when charging at home
- **Convenient to Charge at Home**
- **Less Maintenance**
  No oil changes or other ICE costs (exhaust, spark plugs, etc.)
  Decreased maintenance cost by 35%
- **State & Federal Incentives**
  - Washington State sales tax exemption for most new and used electric vehicles
  - Possible Federal tax credit
- **Perceived Environmental Benefits**
  - Non carbon emitting
- **Infrastructure Availability Increasing**
  - More charging stations being built
  - More vehicle manufactures building EVs
  - DOE & Plugshare road trip planning apps
- **Performance & Fun to Drive**
- **Quite ride with No Engine Noise**

Obstacles

- **Cost**
  New EV purchase price higher than ICE vehicles
  - Replacement battery packs can cost thousands, but typical warranties are 100,000 miles; costs significantly reduced throughout the past 10 years
- **Limited knowledge**
  - Unknown technology to many
  - Learning curve to operate
  - Maintenance questions
    - Limited Mechanics
    - Battery life
    - Electric motor life
- **Longer Fueling Time**
  - Takes significantly more time to fuel an EV than and ICE vehicle
- **Range Anxiety**
  - Factors that decrease range
    - High-speed
    - Temperature control
    - Electronics usage
    - Driving style
- **Limited Infrastructure**
  - Limited charging locations
  - Apps needed at charging stations
  - Charging unavailable at apartments
  - Different adapters may be needed
- Perceived Environmental Life Cycle Costs

Chart 7 – EV Adoption Advantages & Obstacles

Customers also have a choice of buying vs leasing. Leasing is growing in popularity. Nearly 80 percent of battery-electric vehicles are leased rather than purchased by U.S. drivers, Bloomberg reports. That's versus a lease rate for the entire U.S. fleet of around 30 percent. Bloomberg cautions that there is one blind spot in the data: Tesla does not report what percentage of its cars are leased versus purchased, since it sells vehicles directly rather than through dealerships. https://autoweek.com/article/green-cars/ev-drivers-overwhelmingly-lease-their-cars-opting-upgrade-sooner . Some reasons customers choose to lease include avoiding some of the steep depreciation that occurs, keeping up with the ever-evolving new technology, and lower initial payment vs buying. Leasing also has benefits to those looking to buy from the used market at a cost much lower than a new vehicle.

b) The impacts of electrification on the district's load, and whether demand response or other load management opportunities, including direct load control and dynamic pricing are operationally appropriate

The District currently has less than 400 EVs in its service area which contributes to a very small portion of its 200 aMW load. To help put the additional load impact from EVs in perspective, it would take approximately 1,500 EVs to equal the same amount of historical 0.25% annual district retail load growth from all customer classes new construction. This assumes a Chevy bolt driven 10,000 miles annually and consuming 2,801 kWh www.fueleconomy.gov. Therefore, the impact of electrification on the District's load is minimal until much greater adoption has occurred, which will likely take years. For now, however, the District will promote EVs and offer incentives to help track the quantity and location of EVs which could later be tapped into from potential demand response or other load management program opportunities.

With very low retail rates in the northwest, and minimal price differential in the wholesale market, time of use rates are uncommon. Assuming a 23% reduction in off peak hours retail rate for a customer that drives an EV 10,000 miles a year consuming 2,500 kwh and charges 100% of their vehicle during off peak hours, the estimated monthly energy savings on their power bill would be approximately $3. If customers charged their EV 50% of the time during off peak hours and 50% during day time on peak hours, then they would only see about a $1.50 savings on their monthly power bill. Therefore, it is not operationally appropriate to offer TOU rates at this time.

c) System reliability and distribution system efficiencies

The District current volume of EVs is low as stated above with less than 1% of national car sales being EV and only 466 registered EVs in Washington as of December 31, 2018. However, as more EVs are purchased throughout our service area, the District is well positioned to monitor distribution system needs through its smart meters. Due to the slow adoption rate of customer EV purchases, the next several years system reliability and distribution system efficiencies will likely have minimal impact to the District.

d) Interoperability concerns, including the interoperability of hardware and software systems in electrification of transportation proposals

The District's smart metering, NISC billing system, Tableau reporting, and SCADA monitoring systems collectively have abilities to handle electrification of transportation proposals. Each future program implemented will likely incur hardware and software challenges to integrate, but the District is well positioned to handle such challenges.

e) Overall customer experience

District customers value having our staff as an EV information resource. Implementing a customer Electric Vehicle (EV) program as allowed by legislation demonstrates another avenue toward being our customers Trusted Energy Partner. Staff will continue to look at current and future program offerings for promoting electrification of transportation. Short term program opportunities as previously outlined in this plan include rebates, education programs such as information on our web page, or customer presentation meetings bundled with conservation and solar program customer meetings. Longer term opportunities may include gaining a better understanding of the market barriers to EV adoption, further informing our customers and building strategic partnerships. Educating car dealers on the benefits of EVs is another means of promoting EV adoption and building positive customer EV experiences. Throughout the development of this electrification program, the District strives to make this a positive customer experience and further demonstrating that we are their trusted energy partner.

Budget Criteria

Each year, the District will create an annual EV budget which will vary depending on lessons learned and new opportunities identified as the EV market matures. Additionally, as required by SHB 1512, the annual EV budget will not exceed 0.25% net cost to rate payers. To put this in perspective, the maximum annual EV budget for 2020 would be approximately $320,000.

Conclusion

In summary, Washington State Substitute House Bill 1512, Electrification of transportation allows electric utilities to now offer incentives/rebates, advertise, and promote Electric Vehicle adoption. Annually, District budgets will vary depending on lessons learned and from new opportunities identified. As required by SHB 1512, the Districts Plan finds that the District's outreach and investment in the electrification of transportation infrastructure will not increase net costs to ratepayers in excess of 0.25%. The overall desired results of the District's Electrification of Transportation Plan are to develop and implement customer programs as allowed by legislation, promote load growth, and demonstrate being our customers Trusted Energy Partner. Initial program offerings will include electric vehicle rebates, customer education including marketing materials such as web page, customer brochures, radio, and social media. Electric vehicle education will be integrated at public events with conservation and solar programs. Additionally, the District will continue to be engaged in local, regional and national organizations for trends and opportunities including new education and marketing approaches, customer billing rate options including time-of-use, car dealership options, etc.

The Districts EV Plan finds that outreach and investment in electrification of transportation infrastructure benefits all customers by growing load and spreading District fixed costs. Additionally, with the District being overall long on energy resources on an annual basis, it is better financially to sell additional energy to our customers at a retail rate rather than selling into a depressed energy wholesale market.

Electrification Plan Action Items

- Implement customer rebate offering and education programs for EV purchase to grow load
- Regional and Local engagement / partnerships
    - Electric Vehicle Infrastructure Transportation Alliance (EVITA), other utilities
- Continue to be engaged in regional and national organizations following trends and opportunities including partnerships, new education and marketing approaches, customer billing rate options including time-of-use, car dealership options, etc.
- Trusted Energy Partner opportunities including Public outreach & education / marketing materials
- Brand logo, wrap District Chevy Bolt
    - Web, social media, events
- Distribution grid and electric service EV load impact review
- Public charging- gather data on where are customers charging their EVs
- Evaluate load shapes of residential and commercial charging stations
- Personal vs commercial vehicle charging requirements
- Understand market barriers such as vehicle purchase and charging station availability
- Technology surveillance-
    - Possible future residential vehicle high capacity fast charging stations up to 1.5MW vs existing Tesla 50kw or EVITA 40kw fast charging.
    - Possible future commercial vehicle high capacity fast charging stations for commercial and public transportation (freight, school bus, transit, etc.)
- Evaluate Low income community lower-cost transportation options
- Legislation tracking of future bill proposals and mandates
- Survey our customers on their EV interests
- Public events Plug-in America - National drive electric week
    - Include EV with conservation and solar public events
    - Car dealer education

	Business Agenda
	Second Reading
	Consent Agenda
X	*Info Only/Possible Action*
	Info Only

COMMISSION MEETING AGENDA ITEM

Subject:	Resolution ____ in support of actions to ensure electric sector resource adequacy in the Pacific Northwest	
Agenda Item No:	10d	
Meeting Date:	November 12, 2019	
Presented by:	Chad Bartram	*Staff Presenting Item*
Approved by (dept):	Chad Bartram	*Director/Manager*
Approved for Commission review:	Chad Bartram CBB	*General Manager/Asst GM*

Motion for Commission Consideration:

Motion to approve Resolution ____ in support of actions to ensure electric sector resource adequacy in the Pacific Northwest.

Recommendation/Background

At the October 22, 2019 meeting, the Commission requested that staff draft a Resource Adequacy Resolution for discussion at the November 12, 2019 meeting.

Summary

The State of Washington and other key western states have enacted policies or legislation to significantly reduce or remove fossil fuel generation (coal and natural gas) from the electric system in favor of incorporating a significant amount of renewable energy generation (wind and solar). While at the same time, the Northwest Power Pool, issued a white paper highlighting major studies and reports issued by leading utility industry groups that the Northwest's transition away from coal and towards cleaner generating resources is leading to an urgent and immediate challenge to the ability of the Northwest's electric system to provide reliable electric service. In October, the Northwest Power Pool convened a broad coalition of electric utilities from across the Pacific Northwest to discuss the creation of a voluntary Resource Adequacy program.

Fiscal Impact

There is no fiscal impact from this resolution.

RESOLUTION NO. XXXX

November 12, 2019

A RESOLUTION OF PUBLIC UTILITY DISTRICT NO. 1 OF BENTON COUNTY, WASHINGTON IN SUPPORT OF ACTIONS TO ENSURE ELECTRIC SECTOR RESOURCE ADEQUACY IN THE PACIFIC NORTHWEST

WHEREAS, policy makers in Washington and other key western states have enacted policies or legislation to significantly reduce or remove fossil fuel generation (coal and natural gas) from the electric system in favor of incorporating a significant amount of renewable energy generation (wind and solar); AND

WHEREAS, recent legislation in the State of Washington calls for the elimination of coal by 2025 and all carbon emitting generation by 2045, including natural gas; AND

WHEREAS, while wind and solar can be substitutes for the energy that coal resources have traditionally provided, they cannot easily replace the capacity that is needed for resource adequacy due to the lack of economically viable and operationally proven long-term grid-scale energy storage and the variable nature of wind and solar "fuel" sources which are largely dependent on the weather and time of day; AND

WHEREAS, Resource Adequacy is the term most often used to describe an electricity system's ability to meet demand under a broad range of conditions including times of peak energy demand during the hottest and coldest days in any given year; AND

WHEREAS, failure to ensure Resource Adequacy may result in capacity shortages which refers to any situation in which the energy supply capability of an electric utility is not sufficient to meet its customers' energy requirements and this shortage would affect the utility's ability to adequately supply electric services to its customers; AND

WHEREAS, in the extreme, capacity shortages may spiral into widespread outages during peak energy events generally involving extreme cold or heat with the potential of seriously disrupting the safety, health, and well-being of citizens; AND

WHEREAS, under the sponsorship of three investor-owned utilities and ten public utilities, Energy & Environmental Economics (E3) published an extensive study in March 2019 titled *Resource Adequacy in the Pacific Northwest* (Resource Adequacy Study) which found that 5,000 MW of new firm capacity is needed by 2030 to maintain reliability for load growth. With planned coal retirements of 3,000 MW by 2030, 8,000 MW of new capacity would be needed. If all coal is retired in the region, then 16,000 MW of new firm capacity would be required; AND

WHEREAS, the Resource Adequacy Study found that within the greater Pacific Northwest, including Washington, Oregon, Idaho, Utah, and major portions of Montana and Wyoming, coal and natural gas accounted for over 48% of the *effective* capacity of electric resources in 2018; AND

WHEREAS, the Resource Adequacy Study concluded that it would be extremely costly and impractical to replace this magnitude of firm generating capacity with solar, wind and storage due to the significant renewable overbuild and required transmission-line construction needed to maintain adequacy; AND

WHEREAS, the Resource Adequacy Study also identified the lack of a mandatory or voluntary national standard for Resource Adequacy; AND

WHEREAS, the real-time balancing of demand and supply in the Western Interconnection of the United States and Canadian power grids is accomplished by thirty-eight Balancing Authorities; thirteen of which operate in the greater Pacific Northwest; AND

WHEREAS, Balancing Authorities typically have specific generation plants and loads assigned to them that together with interconnections to other Balancing Authorities allows for regional interchange of electricity as a means of maintaining precise balance of demand and supply across large geographical areas; AND

WHEREAS, the North American Electric Reliability Council (NERC) and Western Electric Coordinating Council (WECC) publish information about Resource Adequacy but have no formal governing role; AND

WHEREAS, each Balancing Authority establishes its own Resource Adequacy standard subject to oversight by state commissions or locally-elected boards; AND

WHEREAS, Balancing Authority utilities and many other utilities, including Benton PUD, have historically relied on market purchases of unspecified generation resources contracted on a day-ahead and real-time basis to ensure demand and supply are balanced; AND

WHEREAS, the announced retirements of dependable and dispatchable coal-fired power plants in the greater Pacific Northwest coupled with anti-fossil-fuel sentiment reflected in state legislation and public opinions is anticipated to significantly diminish the pool of available market resources that are critical to meeting electricity demand on the hottest and coldest days of the year; AND

WHEREAS, utilities in the greater Pacific Northwest are concerned that preferences for wind and solar power, coupled with battery storage technology which today is uneconomic and operationally unproven for durations required for Northwest weather events, may risk underinvestment in dependable capacity that is needed during low hydro generation periods and prolonged periods of low wind and solar generation that often occur during extreme weather and temperature events; AND

WHEREAS, the Northwest Power Pool, an organization comprised of major generating utilities serving the greater Pacific Northwest, British Columbia and Alberta, issued a white paper highlighting major studies and reports issued by leading utility industry groups that the Northwest's transition away from coal and towards cleaner generating resources is leading to an urgent and immediate challenge to the ability of the Northwest's electric system to provide reliable electric service; AND

WHEREAS, the Northwest Power Pool's white paper noted two conclusions of particular concern: 1) the region may begin to experience capacity shortages as soon as next year; and 2) by the mid-2020s, the region may face a capacity deficit of thousands of megawatts; AND

WHEREAS, acting through the Northwest Power Pool, a broad coalition of electric utilities across the Pacific Northwest agreed that a voluntary Resource Adequacy program be designed in 2020 and implemented as soon as 2021; AND

WHEREAS, Benton PUD's 2018 electricity resource mix was approximately 95% carbon-free, primarily attributed to hydro and nuclear power which provide reliable baseload generation obtained via contracts with the Bonneville Power Administration (BPA); AND

WHEREAS, Benton PUD's peak loads are in excess of its allocation of hydro and nuclear power resources;

WHEREAS, Benton PUD's approach to managing capacity deficits experienced during peak summer and winter loading periods has been primarily to use financial instruments to hedge its position and to make unspecified market purchases for energy and capacity deficits in day-ahead and real-time markets; AND

WHEREAS, Benton PUD's 2018 Integrated Resource Plan recommended considering longer term physical capacity purchases in periods when the Northwest Power and Conservation Council (Council) is projecting a Loss of Load probability (LOLP) greater than 5%; AND

WHEREAS, the Council's 2024 Resource Adequacy Assessment indicates an LOLP of 7.5% in 2021, increasing to 8.2% or possibly 21% in 2024 depending on load growth and market supply conditions; AND

WHEREAS, Benton PUD's recently completed capacity analysis identified average projected heavy load hour (HLH) capacity deficits beginning after the expiration of our Frederickson power purchase agreement in September 2022 of approximately 100 megawatts in summer months (July and August) and 45 megawatts in winter months (December, January and February); AND

WHEREAS, the rapid elimination of the electric capacity provided by coal as well as the anticipated reduction of available natural-gas capacity expected to occur if new plants are not constructed may lead to capacity shortages during peak winter and summer demand periods directly impacting Benton PUD along with utility customers throughout the region; AND

WHEREAS, the creation of a greater Pacific Northwest, voluntary but enforceable Resource Adequacy standard has the potential to provide a common and consistent measure by which regulating bodies can objectively evaluate utility recommendations to acquire or construct new generation capacity for their individual and/or collective benefit.

NOW THEREFORE BE IT RESOLVED that the Commission hereby declares its support to the Northwest Power Pool's efforts to develop a voluntary Resource Adequacy Program.

BE IT FURTHER RESOLVED that the Commission and Staff will undertake an effort to heighten the awareness of customers and policy makers as to Resource Adequacy concerns within the Northwest, as well as decisions that may significantly harm electric system Resource Adequacy, such as the breaching or removal of the four Lower Snake River Dams as outlined in Resolution No. 2505

ADOPTED at an open meeting as required by law this 12th day of November 2019.

_____

Jeffrey D. Hall, President

ATTEST:

_____

Barry A. Bush, Secretary

	Business Agenda
	Second Reading
	Consent Agenda
	Info Only/Possible Action
X	*Info Only*

COMMISSION MEETING AGENDA ITEM

Subject:	Pole Attachment Rate Methodology	
Agenda Item No:	6e	
Meeting Date:	November 12, 2019	
Presented by:	Jon Meyer/ Kent Zirker	*Staff Presenting Item*
Approved by (dept):	Jon Meyer JM	*Director/Manager*
Approved for Commission review:	Chad B. Bartram CBB	*General Manager/Asst GM*

Motion for Commission Consideration:
None

Recommendation/Background
The District owns and maintains utility poles that it uses to provide services, and to which it also permits third parties to attach communication lines. Third parties enter into a Pole Attachment License Agreement with the District and pay an attachment rate per attachment. The attachment rate is computed by Accounting and Engineering staff annually and communicated to third parties.

The rate calculation includes pole and attachment data; such as, number of poles, average number of attachments, average cost of a bare pole, and a carrying charge. The calculation also includes assignable and common space per pole information; such as, average pole height, safety space, and ground clearance.

With the progression of telecommunications, third parties have expressed a desire to attach additional communication equipment related to small cell/advanced wireless technology. The pole attachment rate will be the base for determining or calculating a small cell/advanced wireless attachment rate.

Summary
Staff will discuss the methodology for calculating the District's pole attachment rate and small cell/advanced wireless attachment rate. Staff will bring a resolution to the Commission on December 10, 2019 for approval of the pole attachment rate and also rate the small cell/advanced wireless rate.

Fiscal Impact
None

BENTON P·U·D

	Business Agenda
	Second Reading
	Consent Agenda
	Info Only/Possible Action
✓	*Info Only*

COMMISSION MEETING AGENDA ITEM

Subject:	Performance Measurement – 3rd Quarter 2019 Report	
Agenda Item No:	1 of	
Meeting Date:	November 12, 2019	
Presented by:	Jon Meyer/Kent Zirker	*Staff Presenting Item*
Approved by (dept):	Jon Meyer JM	*Director/Manager*
Approved for Commission review:	Chad B. Bartram CBB	*General Manager/Asst GM*

Motion for Commission Consideration

None.

Recommendation/Background

Performance measurement is a process that assesses the effectiveness of organizations or work groups in achieving their mission and objectives. The District has developed 25 performance measures aligned with the District's strategic anchors. The District's performance measurement program focuses on high-level measures that provide information to staff, the Commission, and the public as to the performance of the District in key areas. The report is available on the District's website, consistent with our objective to openly provide information to our stakeholders allowing them to measure the effectiveness of our performance.

During the 3rd quarter, 21 of the 25 performance measures were rated as having positive quarterly performance, one was yellow, two were red, and one was blue. Staff will highlight the following measures during the Commission meeting:

- *Telephone Service Level*
- *Electronic Payments*
- *Hiring Efficiency*
- *Net Secondary Market Activity*
- *Enterprise Application Reliability*
- *Infrastructure Component Reliability*

Summary

Staff will review the Performance Measurement Report for the 3rd quarter of 2019 during the Commission meeting. The presentation will provide a review of actual vs. target performance for select indicators.

Fiscal Impact

None.

2019 PERFORMANCE MEASURES

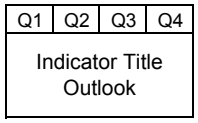
Benton PUD Strategic Anchors
Customer Value, Stewardship, Reliability, Safety, Skilled Workforce

Q1	Q2	Q3	Q4	Indicator	Owner	Page
				Customer Satisfaction	Jodi Henderson	2
				Telephone Service Level	Christie McAloon	3
				Electronic Payments	Christie McAloon	4
				Service Order Process	Mike Irving	5
				Rates	Keith Mercer	6
				Back Bill Rate	Christie McAloon	7
				Unrestricted Reserve Level	Keith Mercer	8
				Days Cash On Hand	Keith Mercer	9
				Costs per kWh v. COSA	Keith Mercer	10
				O&M/Capital	Kent Zirker	11
				O&M Costs per Customer	Kent Zirker	12
				Collections	Christie McAloon	13
				Safety	Steve Hunter	14
				Training and Development	Melina Conover	15
				Safety Training & Meetings	Melina Conover	16
				Hiring Efficiency	Melina Conover	17
				Day Ahead Power Price vs. ICE	Kevin White	18
				Net Secondary Market Activity	Kevin White	19/20
				Conservation I-937	Chris Johnson	21
				Broadband Network Reliability	Chris Folta	22
				Energy Loss Percentage	Evan Edwards	23
				Electric Reliability	Evan Edwards	24
				Electric System Outages	Evan Edwards	25
				Enterprise Application Reliability	Chris Folta	26
				Infrastructure Component Reliability	Chris Folta	27

Legend

The color assigned for each measure is a subjective evaluation of both the quarterly results, shown in the quarterly squares as well as the year-to-date review for the calendar year compared to established targets, shown in the large box. The legend below provides general guidance for assigning colors.

- Positive performance - positive year review and exceeding quarterly expectation
- Improvement needed - concern about year review and less than quarterly expectation
- Adverse performance - negative year review and negative quarterly performance
- Data not available or no activity during the quarter



2019 Status			
Q1	Q2	Q3	Q4
Outlook			

Performance Measure Title

Customer Satisfaction

Definition

Track overall customer satisfaction and assess interaction with and use of services provided by Benton PUD.

How Performance Measure is Computed

Surveys can be conducted via bill inserts or phone interviews. For bill inserts questions are answered on a 7 point scale. The % measurement is the % of respondents who were satisfied overall (response of 5 or above). For a phone survey, overall satisfaction is measured on a 5 point scale. The % measurement is the % of respondents who were satisfied overall (response of 4 or above).

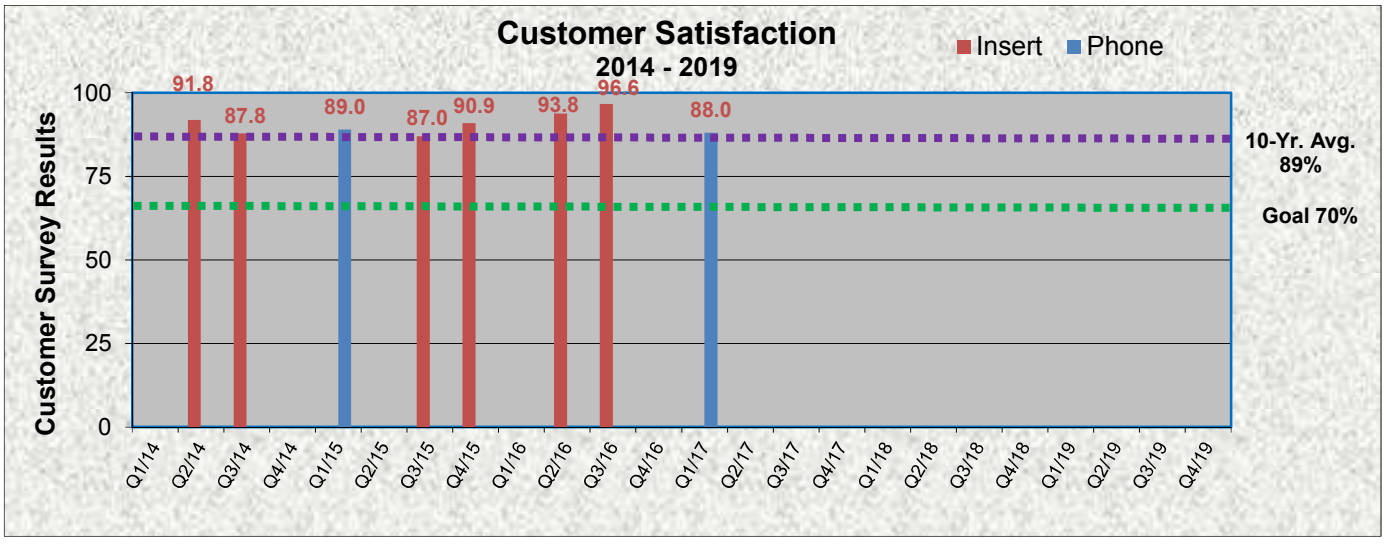
Goal

Green - 70% and above, Yellow - 55% to 70%, Red - Below 55%. Based on overall satisfaction and satisfaction with services.

	Goal			Actual		Survey Type
Q1	70	%	Q1	NA	%	
Q2	70	%	Q2	NA	%	
Q3	70	%	Q3	NA	%	
Q4	70	%	Q4		%	

Quarterly Performance Summary

No customer satisfaction survey was conducted this quarter. We are exploring options for a customer satisfaction survey in 2019. A Customer Satisfaction Survey Request for Proposal (RFP) was released with a proposal schedule for completing a customer satisfaction survey in 2020 Q1.



Responsible Manager: Jodi Henderson

Data Provider: Jodi Henderson

Report Date: 10/25/2019

2019 Status			
Q1	Q2	Q3	Q4
Outlook			

Performance Measure Title
Telephone Service Level (Customer Service Queue)

Definition
Measures service level in the customer service queue, achieving a minimum of 70% of all calls answered within 30 seconds or less and 90% of calls answered in 120 seconds or less. This measure captures the timeliness of answering calls routed to the customer service queue, and the effectiveness of the department staff in terms of managing and monitoring the call queue.

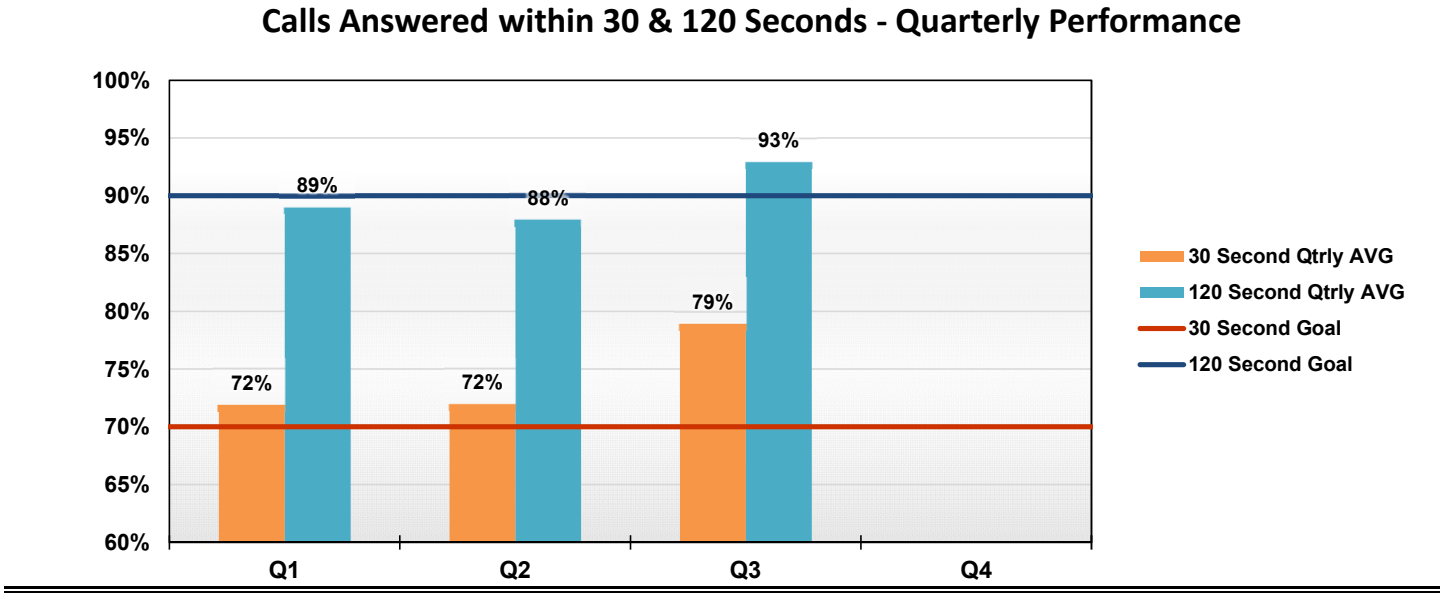
How Performance Measure is Computed
Service level reporting capabilities are provided by the Cisco phone system. The system measures the speed of answering all incoming customer service calls and maintains that data in a log that can be queried via the Cisco reporting application. The percentage of incoming calls that are answered within 30 seconds and 120 seconds will be displayed for each quarter, and the rating will be based on the quarterly results. The 12 month rolling average will be provided to reflect historical perspective.

Goal
Answering at least 70% of incoming calls within 30 seconds or less and 90% of calls within 120 seconds or less, based on quarterly performance. A green rating will be achieved if both goals are met, a yellow rating if one goal is met and a red rating if neither goal is met for the quarter.

Rating
Both goals met
One goal met
Neither goal met

		Calls Answered Within 30 Seconds			Calls Answered Within 120 Seconds		
	Number of Calls	Goal	Quarterly Performance	Rolling Performance	Goal	Quarterly Performance	Rolling Performance
Q1	21,582	70%	72%	75%	90%	89%	91%
Q2	22,003	70%	72%	75%	90%	88%	90%
Q3	20,451	70%	79%	75%	90%	93%	90%
Q4		70%			90%		

Quarterly Performance Summary
The 30 and 120 second goals were exceeded, with 79% of calls answered within 30 seconds and 93% of calls answered within 120 seconds, making the overall rating for the performance measure green for Q3. Training provided to new employees hired to fill vacant CSR positions during Q2 contributed to exceeding the performance goals.



Responsible Manager: Christie McAloon

Data Provider: Lurii Blackwell

Report Date: 10/11/2019

2019 Status			
Q1	Q2	Q3	Q4
Outlook			

Performance Measure Title
Electronic Payments

Definition
Measures the percentage of total payments made to the District using electronic payment channels such as the SmartHub website and mobile application, IVR (Integrated Voice Recognition telephone payment system), Pay Now (one time payment website), Autopay or a customers' bank bill pay website. Increasing the number of electronic payments can lower costs by reducing the manual processes required to post payments and reduce errors associated with manual processes. Providing multiple electronic payment channels can lead to increased customer satisfaction and further the Districts efforts in customer engagement.

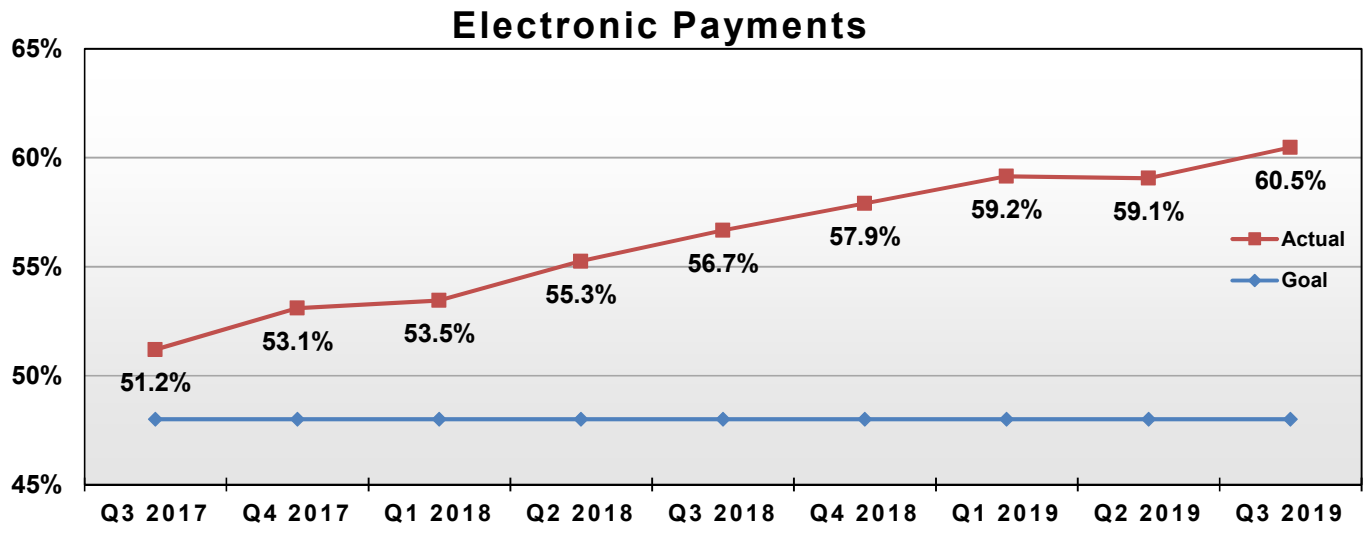
How Performance Measure is Computed
The number of payments processed through Auto Pay, SmartHub Website, SmartHub Mobile Application, IVR system, Pay Now, payment kiosks and bank websites will be compared to the total number of District payments processed during the quarter. A green rating will be assigned if 48% or more of total payments are made by electronic methods during the quarter; yellow rating for 45-47%, and red rating if the number of electronic payments is less than 45% of total payments during the quarter. This rating criteria may be refined as more history is developed and penetration levels are identified from similar utilities.

Rating
48%+
45-47%
<45%

Goal
Minimum of 48% of total payments will be made by electronic methods.

	Payments			BPUD Self Serve Payments						Other
	Total Payments	Electronic Payments	Percentage Electronic	Auto Pay	SmartHub Website	SmartHub Mobile App	Telephone System - IVR	Pay Now One Time Payment	Payment Kiosk	Bank Website Payment
Q1	161,796	95,703	59.2%	34,953	18,635	11,125	5,392	14,028	285	11,285
Q2	156,830	92,637	59.1%	33,129	18,476	11,103	5,287	12,291	352	11,999
Q3	157,901	95,488	60.5%	35,145	18,389	11,588	5,522	12,633	394	11,817
Q4										

Quarterly Performance Summary
The percentage of electronic payments reached 60% in Q3. Use of the SmartHub's website and Mobile App, the Telephone IVR, Pay Now and the Payment Kiosk represented 31% of the payments for the quarter, demonstrating continued customer acceptance of SmartHub and the NISC system. Electronic payments have increased by nearly 10% since Q3 2017.



Responsible Manager: Christie McAloon

Data Provider: Christie McAloon

Report Date: 10/30/2019

2019 Status			
Q1	Q2	Q3	Q4
Outlook			

Performance Measure Title
Service Order Time Tracking

Definition
Once a new or altered service is eligible for energization*, the following items will be measured:
1) Length of time it takes the Operations Center to energize a new service once Engineering has transitioned the electronic service order to them in the Work Flow Management system (WFM), after the customer has met the criteria described by the * below.
2) Length of time it takes to set up the customer account in the Customer Care & Billing (CC&B) system for billing after Operations transitions it over to them from the WFM system.
Eligible for energization is based on the customer meeting the following criteria: trench has been inspected on an underground service, fees have been paid, L & I state approval has been received, and customer is ready for power. The District has no control over the time span to energize a new or altered service until the criteria has been met.

How Performance Measure is Computed - 1st Chart
After Engineering has released all holds in the WFM system, the service order is transitioned to Operations. Performance is measured from the date received by Operations in WFM and the completion date of when the meter was set (energized).

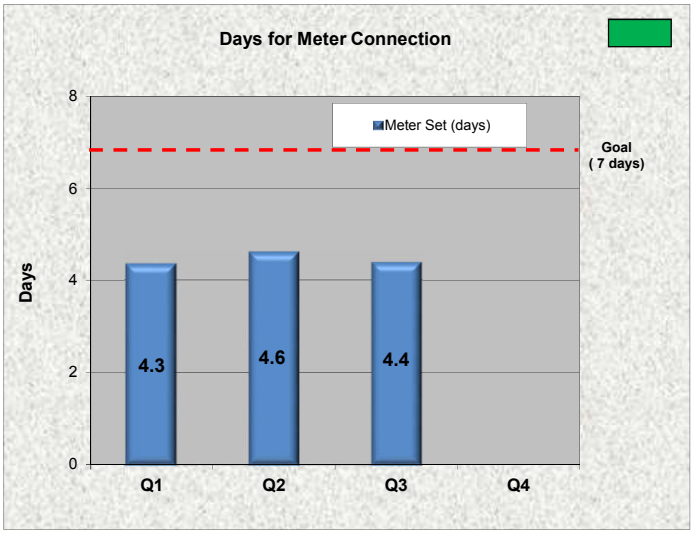
How Performance Measure is Computed - 2nd Chart
This part of the performance is measured by the Operations completed date to the date it was transitioned to CIS for customer account setup. The last performance is measured by the date Customer Service receives the electronic Service Order from Operations, to the date Customer Service closes the electronic service order. This shows the average number of day from the time the meter was set until Customer Service sets up the customer account.

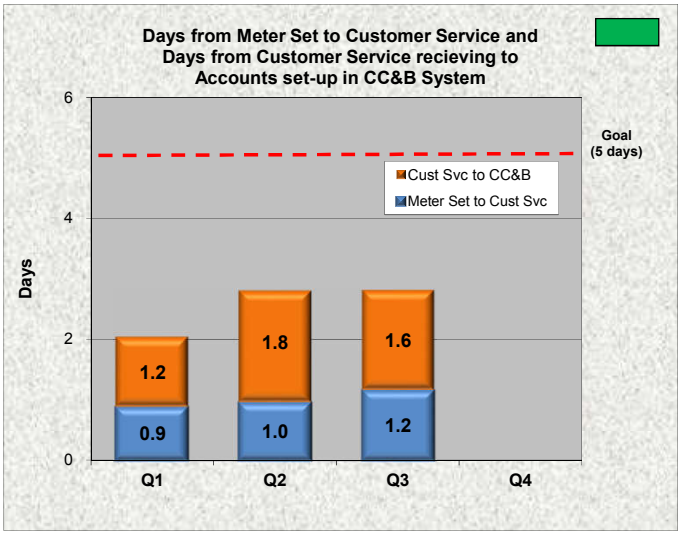
Goal
The goal is to energize new services and transition it to Customer Service within an average of 7 days after customer criteria has been met and new accounts set up in CC&B within an average of one week (5 days) after being transitioned from Operations to Customer Service.

Rating Criteria:	Operations	Customer Service	Combined Rating
	7 days or less	5 days or less	Both green
	8 - 9 days	6 - 7 days	Either is yellow
	> 9 days	> 7 days	Either is red

In Days	Q1 Goal	Q1 Actual	Q2 Goal	Q2 Actual	Q3 Goal	Q3 Actual	Q4 Goal	Q4 Actual
Connection (Chart 1)	7	4	7	5	7	4	7	
Ops to CIS (Chart 2)	5	1	5	1	5	1	5	
CC&B System (Chart 2)	5	1	5	2	5	2	5	
New services count		284		215		297		

Quarterly Performance Summary
During the third quarter of 2019, it took on average 4 days for a new service to be energized once the customer had met all requirements, meeting the criteria of 7 days or less. Turn around from the meter being set to the service order being available to Customer service was 1 day with an additional 2 days for Customer Service to activate the new account, producing an average turnaround time from the meter being energized to the account activated of 3 days meeting the criteria of 5 days or less.





Performance Measure Title
Rate Comparisons

2019 Status			
Q1	Q2	Q3	Q4
Outlook			

Definition
This indicator compares an average monthly bill for the District's current rates for Residential and Large General Service (LGS) to other utilities in the Northwest. A benchmarking base amount of 1,350 kWh is used for Residential customers. LGS customers energy use is 115,000 kWh and demand of 300kW.

How Performance Measure is Computed
Gather current rates from 16 utilities throughout the Northwest and graph Benton PUD in relation to these utilities. Utilities selected for comparisons must purchase 60% or more of their power from BPA.

Goal
Performance will be measured based on a quarterly rate comparison. A green rating will be assigned if the District's average monthly bill is below the median monthly bill, a yellow rating will be assigned if the District's average monthly bill is in the quartile above the median, and a red rating will be assigned if the District's average monthly bill is in the highest quartile.

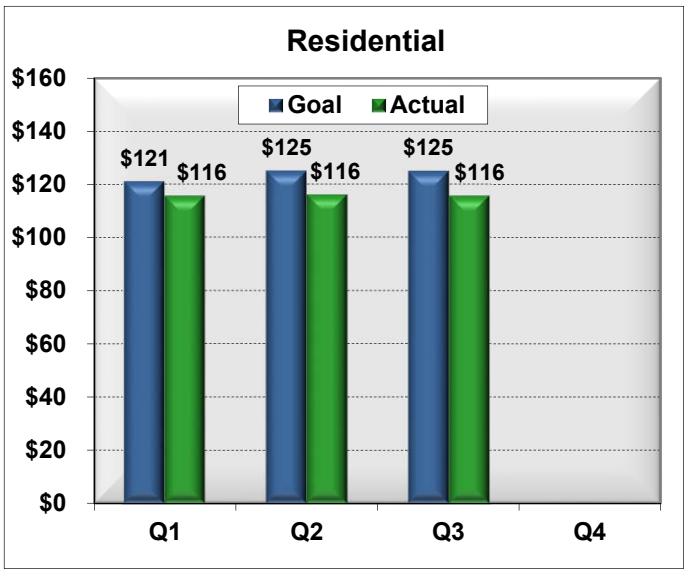
Residential Average Monthly Bill

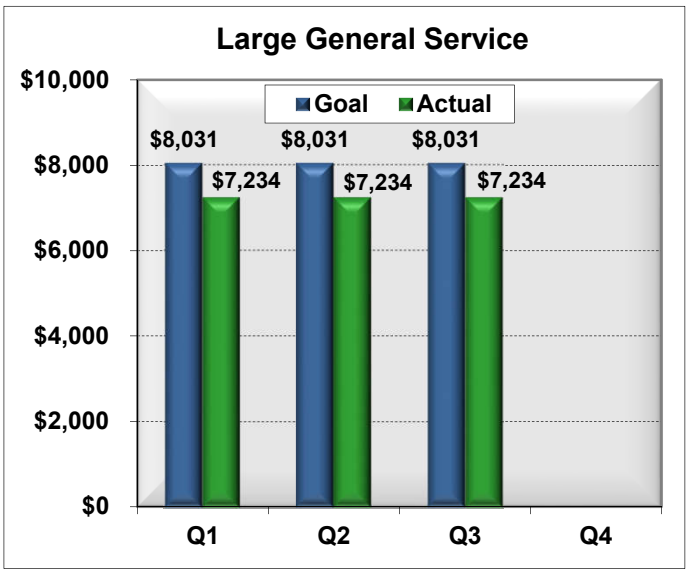
	Goal	Actual
Q1	< $121	$116
Q2	< $125	$116
Q3	< $125	$116
Q4		

Large General Service Average Monthly Bill

	Goal	Actual
Q1	< $8,031	$7,234
Q2	< $8,031	$7,234
Q3	< $8,031	$7,234
Q4		

Quarterly Performance Summary
During Q3 2019, the District's rates were below the median of comparable utilities, so a green rating was assigned. None of the sixteen benchmark utilities had a rate increase in Q3 2019. However, in Q2 2019 five of the benchmark utilities had a rate increase (City of Richland, Clallam PUD, Grays Harbor PUD, Okanogan PUD, and Tillamook Utility District) and one benchmark utility had a rate increase in Q1 2019 (Lewis PUD). Benton PUD implemented a 2.9% overall increase effective October 1, 2019 which will be reflected in the fourth quarter performance measure.





Responsible Manager: Keith Mercer

Data Provider: Katie Homer

Report Date: 10/30/2019

2019 Status			
Q1	Q2	Q3	Q4
Outlook			

Performance Measure Title

Back Bills and Billing Corrections due to District Errors

Definition

Back bills and bill corrections can have a significant impact on customers and on District staff. While some back bills are due to customer error (signing up for service at the wrong apartment or mislabeled meter bases), other back bills are preventable. Some examples of avoidable back bills include equipment failure that is overlooked for a period of time and results in a back bill of more than one month, or not transferring a low income discount when a customer moves. Only preventable back bills due to staff error, or those that were caused by equipment failure not detected in a timely manner, will be counted in this performance measure. When a significant back bill occurs, the rating could be assigned a yellow or red rating depending on the severity of the back bill. This rating would be assigned regardless of the number of back bills during the period.

How Performance Measure is Computed

On a quarterly basis, the number of back bills caused by the following reasons will be reported: defective meter, incorrect multiplier, service orders not processed in a timely manner, data entry error in CIS, missing low income discount, incorrect bill cycle, switched meters and data entry errors. Back bills are processed by the Billing Specialist and will be tracked in a spreadsheet that captures the number of back bills falling into these categories, and the nature of the back bill (i.e. customer error or District error). Each customer affected by a back bill will be counted as "1". For example, all customers affected by a District-caused meter switch will be counted.

Goal

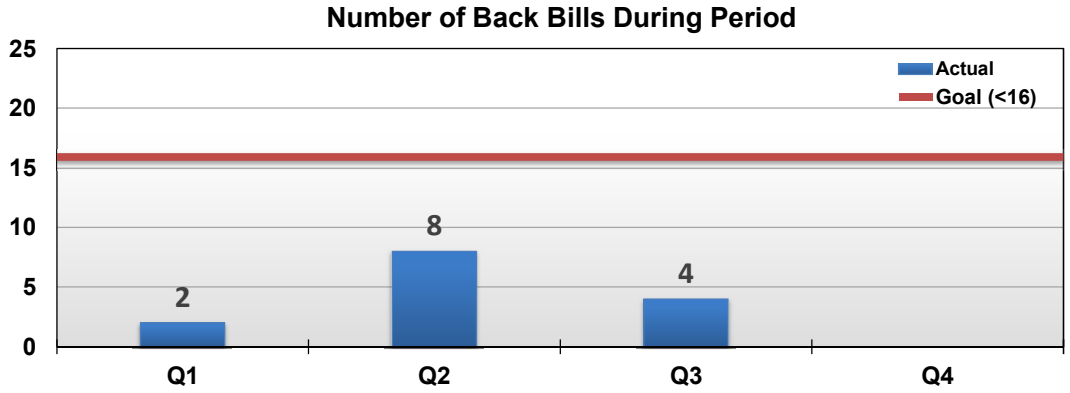
Less than 16
Between 16 - 24
Greater than 24

		Number of Back Bills	
	Number of Bills Issued	Goal	Actual
Q1	140,634	<16	2
Q2	137,715	<16	8
Q3	138,150	<16	4
Q4		<16	

Quarterly Performance Summary

Four avoidable back bills occurred during Q3. Please see the descriptions below for each back bill situation.

1. A security light was not final billed on the date requested resulting in a credit of -$15.89.
2. An active account with low usage was not investigated for two months. Meter reads indicated low usage the first month and no usage the second month. Field investigation after the second meter read found a tree limb had fallen and damaged the CTs, resulting in a back bill of $277.44.
3. A low income discount was set up on a secondary service account when it should have been established on the residential account. The error was in place from 1/2019 to 9/2019, resulting in a credit of -$300.06.
4. An Altered Service SO did not indicate a need for a change in rate schedule. After billing resumed it was determined a rate change was warranted, resulting in a credit of -$477.47.



Responsible Manager: Christie McAloon

Data Provider: Christie McAloon

Report Date: 10/30/2019

2019 Status			
Q1	Q2	Q3	Q4
Outlook			

Performance Measure Title
Unrestricted Reserve Level

Definition
Total Unrestricted Reserves include Minimum Operating Reserves and Designated Reserves, such as the Rate Stabilization Account, Power Market Volatility Account, Customer Deposits Account, Special Capital Account, and Bond Insurance Replacement Account, as defined in the District's Financial Policies adopted by Resolution No. 2313 and reported in the monthly financial statements. Beginning in 2015, Minimum Operating Reserves are defined as 90 days cash on hand.

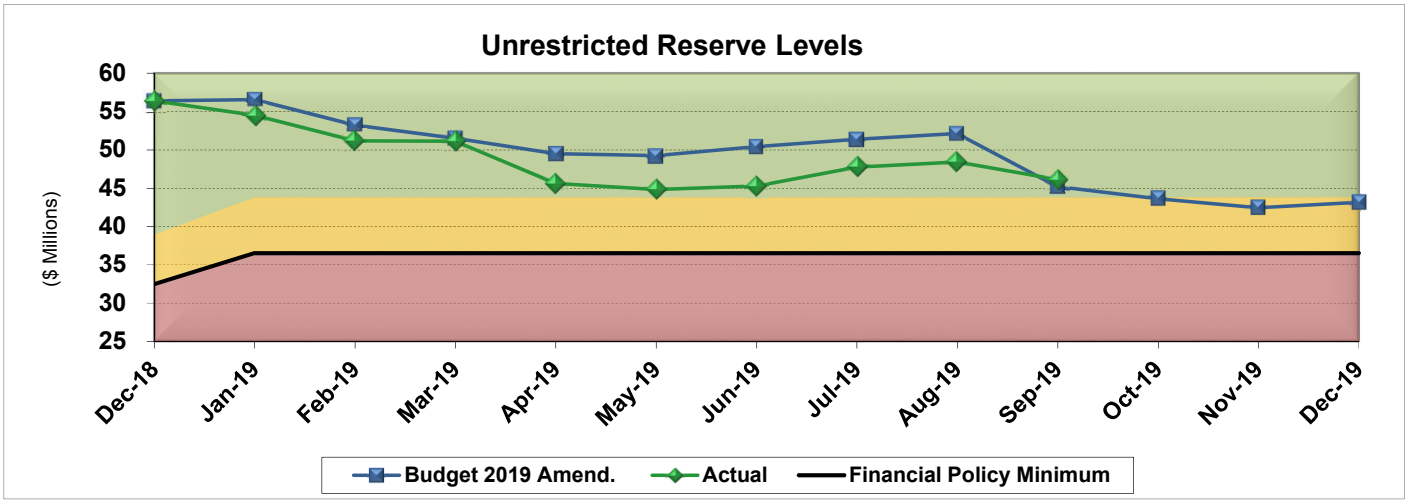
How Performance Measure is Computed
Compare approved annual budget Total Unrestricted Reserve balances as projected at quarter-end to the Minimum Operating Reserve balances projected for year-end.

Goal
Maintain Total Unrestricted Reserves above the minimum level as defined by the District's Financial Policies. A green rating will be assigned if Total Unrestricted Reserves are above 120% of the minimum level. A yellow rating will be assigned if Total Unrestricted Reserves are between 120% and 100% of the minimum level and below the Budget planned cash levels without the expectation of recovery by year-end. A red rating will be assigned if Total Unrestricted Reserves are below the minimum level or expected to fall below the minimum level without the expectation of recovery by year-end or if any borrowings of cash are utilized to cover operating expenses.

$ Millions	Minimum	Budget	Actual
Q1	$36.521	$51.490	$51.129
Q2	$36.521	$50.406	$45.296
Q3	$36.521	$45.191	$46.122
Q4	$36.521	$43.153	

Year-end Forecast	
Date	Oct 2019
Revenue Increase	2.9%
Effective Date	Oct. 1, 2019
Year-end Reserves	$42.628

Quarterly Performance Summary
At the end of Q3, unrestricted reserves were $0.93 million higher than the 2019 Amended Budget. Unrestricted Reserves increased by $0.82 million in the third quarter, primarily due to retail revenue during the summer months being higher than Spring or Fall months which contributes to an increase in reserves heading into Winter. Unrestricted reserves are expected to decrease in Q4 due to lower retail revenues in shoulder months and planned capital expenditures. The outlook is rated yellow due to the forecasted year-end reserves falling between 120% and 100% of the minimum level durring Q4.



Responsible Manager: Keith Mercer

Data Provider: Katie Homer

Report Date: 10/30/2019

2019 Status			
Q1	Q2	Q3	Q4
Outlook			

Performance Measure Title

Days Cash on Hand

Definition

Days Cash on Hand measures the number of days an enterprise can cover its operating expenses using unrestricted cash and investments and assuming no additional revenue is collected. Total Unrestricted Reserves include Minimum Operating Reserves and Designated Reserves, such as the Power Market Volatility Account, Customer Deposits Account, Special Capital Account, and Bond Insurance Replacement Account. This ratio is useful for measuring the relative strength of a utility's financial liquidity. It must be evaluated in conjunction with identified immediate risks to cash flow and compared to the number of days it takes for the utility to raise its rates and begin to receive additional revenues.

How Performance Measure is Computed

Days Cash on Hand is computed by multiplying the total unrestricted cash and investments by 365 and then dividing that result by the total operating expenses (excluding depreciation and amortization). Operating expenses will be based on the latest forecast at the end of each quarter. Previous to Q3 2018, this performance measure used a twelve month rolling average of operating expenses.

Goal

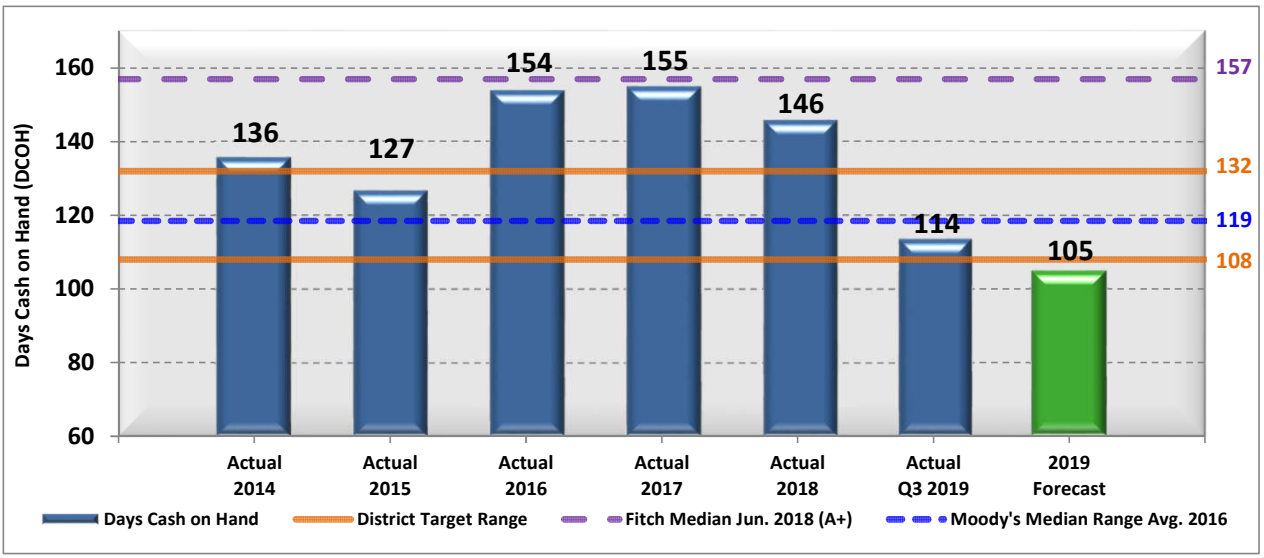
The District's current Financial Policies establish a Minimum Operating Reserve of 90 Days Cash on Hand and require financial plans to maintain Days Cash on Hand to achieve or maintain the Targeted Bond Rating (median of public power utilities). Targeted Days Cash on Hand shall consider relevant and recent benchmark data published by rating agencies for similar rated utilities. Moody's published Days Cash on Hand ratio medians for distribution system utility in September 2016 and the range was 104 to 133. The Fitch Ratings "U.S. Public Power Peer Study" issued in June 2018 calculates a median of 157 days cash on hand for A+ rated retail utilities. Staff's recommended Targeted Days Cash on Hand is 120 days +/-10%. This measure will be rated "green" if the Days Cash on Hand is at or above the bottom of the recommended range (108 days), "yellow" if the Days Cash on Hand is between the Minimum Operating Reserve (90 days) and the bottom of the recommended range, and "red" if the Days Cash on Hand is lower than the Minimum Operating Reserve.

	Medians			
	Moody's (A/Aa Avg)	Fitch (A+)	District Target	Actual
Q1	122	140	108 to 132	128
Q2	122	140	108 to 132	110
Q3	122	140	108 to 132	114
Q4	122	140	108 to 132	

Designated Reserves - Year-end Forecast	
Description	DCOH
Minimum Operating Reserves	90
Bond Insurance Replacement	6
Power Market Volatility	4
Special Capital	0
Customer Deposits	5
October 2019 Year-end Forecast	**105**

The numbers included in this calculation are based on preliminary financial data.

The District had 114 Days Cash on Hand (DCOH) at the end of Q3 2019 resulting in a green rating. Unrestricted reserves increased $1.1 million, or about 4 days from Q2 2019. DCOH is expected to decrease in Q4 due to lower retail revenues in shoulder months, and planned capital expenditures. In 2019, the District is projecting a decrease of 41 DCOH. The outlook is rated yellow due to the forecasted year-end DCOH which is between the Minimum Operating Reserves (90 days) and the bottom of the recommended range (108 days).



2019 Status			
Q1	Q2	Q3	Q4
Outlook			

Performance Measure Title

Actual Costs per kWh and COSA Comparison

Definition

The Net Power Costs per kWh and COSA Comparison is a comparison of the actual Net Power Cost per kWh and the Net Power Cost per kWh as used in the COSA model. The Other Costs per kWh and COSA Comparison is a comparison of other costs and revenues per kWh and other costs and revenues per kWh as used in the COSA model. The COSA used in the calculation is the model that current rates are developed from. Components of other costs include operation and maintenance expenses, taxes (excluding municipal occupation taxes), net capital, debt service, broadband and miscellaneous revenues, and exclude depreciation. These comparisons serve as validation of the assumptions used in the COSA model which contributes to more accurate rate projections.

How Performance Measure is Computed

The Net Power Cost per kWh and COSA Comparison is computed by taking the 12-month rolling net power cost and dividing by the 12-month rolling billed retail kWh as reported in the District's financial statements. The Other Costs per kWh and COSA Comparison is computed by taking the 12-month rolling other costs and dividing by the 12-month rolling billed retail KWh as reported by District financial statements. In addition, actual year-to-date calculations are provided for both comparisons.

Goal

For a green rating, total costs per kWh on a rolling 12-month basis should be no higher than 5% of the COSA model. A yellow rating would be assigned if total cost variances were between 6% - 10% or a concerning trend is identified; and a red rating would be assigned if total cost variances were in excess of 10% from the COSA model or a significant concerning trend is identified.

Net Power Costs per kWh (cents)

	2019 COSA	Rolling 12-Months	YTD Actual	Rolling 12 Months to COSA
Q1	4.812	4.882	6.194	1.4%
Q2	4.812	4.920	5.184	2.3%
Q3	4.812	5.048	5.006	4.9%
Q4				

Other Costs per kWh (cents)

	2019 COSA	Rolling 12-Months	YTD Actual	Rolling 12-Months to COSA
Q1	2.896	2.590	2.862	-10.6%
Q2	2.896	2.591	2.577	-10.5%
Q3	2.896	2.642	2.497	-8.8%
Q4				

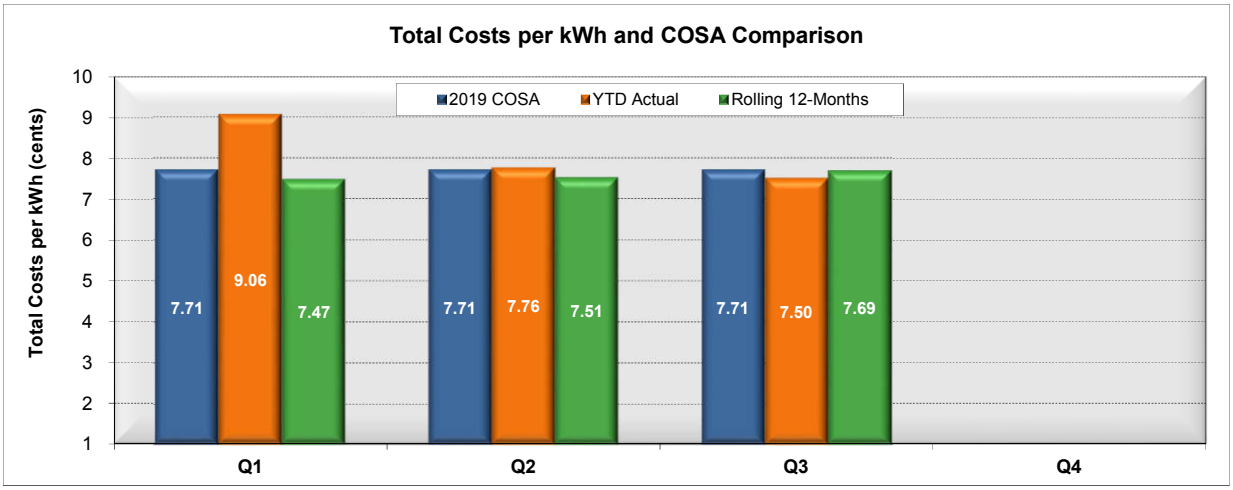
Total Costs per kWh (cents)

	2019 COSA	Rolling 12-Months	YTD Actual	Rolling 12-Months to COSA
Q1	7.708	7.471	9.056	-3.1%
Q2	7.708	7.512	7.760	-2.5%
Q3	7.708	7.690	7.503	-0.2%
Q4				

2019 COSA Net Power Cost	$85,044,662	2019 COSA Total Costs	$136,230,181
2019 COSA Other Costs	$51,185,519	2019 COSA Retail kWh	1,767,197,156

Quarterly Performance Summary

This measure compares costs per kWh to the 2019 COSA. At the end of Q3, the rolling 12-month total costs of 7.690 cents per kWh are 0.2% less than the COSA model. The rolling 12-month net power costs (NPC) of 5.048 cents per kWh are 4.9% more than the COSA model. Typically, the rolling 12-month cost per kWh is lower primarily because the COSA is based on the 2019 Budget, which is conservatively set at the 25th percentile level for net power costs and we normally experience conditions that are better than the 25th percentile over the rolling 12-month period. However, in 2019 the 1st and 2nd quarter water was below the 25th percentile resulting in less slice generation, the region experienced extreme cold in February and March causing an increase in loads, and higher than normal wholesale prices resulting in an increase to net power costs. Net power costs (numerator) are 4.9% above the 2019 COSA, which results in a higher overall net power cost per kWh. The rolling 12-month other costs of 2.642 cents per kWh is 8.8% less than the COSA model. Other costs (numerator) are 9.7% below the 2019 COSA, which results in a lower overall other cost per kWh. This measure is rated "green" for the quarter at 0.2% below the COSA model. The outlook is also rated green after taking into account that the District implemented a 2.9% retail rate increase October 1, 2019. However, there is a concerning trend with exposure to volatile power prices when demand is high that could result in increased NPC, which could lead to a yellow rating in future reports.



Responsible Manager: Keith Mercer

Data Provider: Briana Herrington

Report Date: 10/30/2019

2019 Status			
Q1	Q2	Q3	Q4
Outlook			

Performance Measure Title

O&M / Net Capital

Definition

This indicator measures the District's actual operations and maintenance (O&M) expenses vs. budget and the actual net capital expenditures vs. budget on a year-to-date basis. O&M expenses include transmission, distribution, broadband and all District internal costs and exclude power supply costs, taxes, depreciation, interest expense and other non-operating expenses. O&M and capital expenditures are a subset of all expenditures incurred by the District. While all costs are controllable by the District in the long-term, management has more direct control of these costs over the short-term and may more immediately impact District financial results through decisions in these areas.

How Performance Measure is Computed

The official budget that is approved by the Commission for the calendar year will represent the standard against which actual results are measured. The original budget may be amended by the Commission during August/September of each year. Year-to-date O&M expenses and net capital expenditures will be compared to budget at the end of each quarter.

Goal

Meet the year-to-date budget projections.

in millions

	O & M			
	YTD Original Budget	YTD Amended Budget	YTD Actual	% of Total Budget*
Q1	$5.814	$5.814	$5.812	24%
Q2	$11.902	$11.901	$11.512	48%
Q3*	$17.721	$17.701	$16.814	71%
Q4*	$23.884	$23.802		

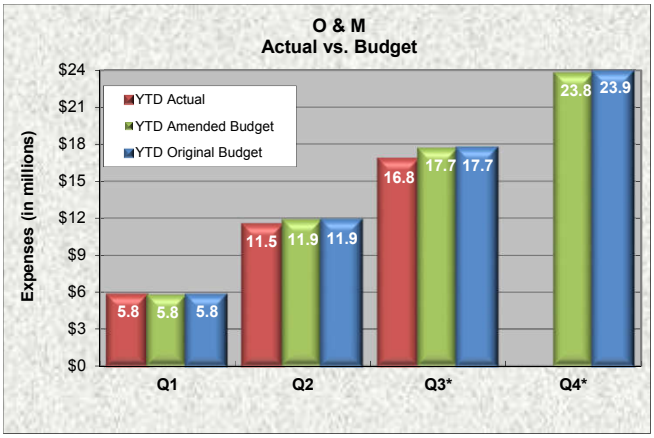
** % of total amended budget, **actual does not include pension expense*

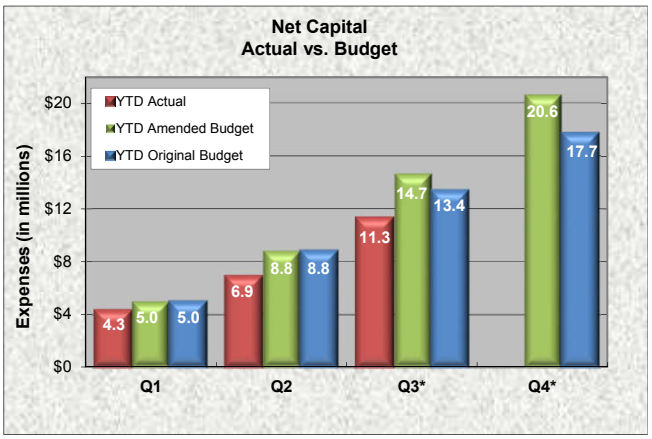
	Net Capital			
	YTD Original Budget	YTD Amended Budget	YTD Actual	% of Total Budget*
Q1	$4.977	$4.977	$4.318	24%
Q2	$8.812	$8.812	$6.900	39%
Q3*	$13.394	$14.665	$11.324	55%
Q4*	$17.710	$20.607		

** % of total amended budget*

Quarterly Performance Summary

O&M expenses of $16.8 million through the third quarter of 2019 are 5% under amended budget. Net capital expenditures of $11.3 million through the third quarter are 23% under the net capital budget, largely as a result of timing. Many major capital projects are commencing in the second half of the year with a significant amount expected to occur in the fourth quarter. As a result, these measures are rated green for the second quarter.





Responsible Manager: Kent Zirker
Data Provider: Michelle Swanson

Report Date: 10/30/2019

Performance Measure Title
O&M Costs per Customer

2019 Status			
Q1	Q2	Q3	Q4
Outlook			

Definition
This performance measure will track the District's non-power operating and maintenance (O&M) costs per customer, excluding broadband and reimbursable mutual aid costs and including bad debt expense. O&M expenses are a subset of all expenditures incurred by the District. While all costs are controllable by the District in the long-term, management has more direct control of O&M costs over the short-term and may more immediately impact District financial results through decisions in these areas.

How Performance Measure is Computed
Actual O&M expenses, excluding broadband and reimbursable mutual aid costs and including bad debt expense, as reported in the financial statements will be divided by the average number of active service agreements on a rolling 12-month basis. Results at the end of each quarter will be compared to the 2019 target of $428 per customer. The 2019 target was developed from the 2019 budget of $424 per customer incremented by $200,000 or $4 per customer to allow for variations in the level of internal labor charged to capital projects v. expense. A rating of green will be assigned if the O&M costs per customer are within 2% of the target; a rating of yellow will be assigned if the O&M costs per customer are more than 2% but less than 3% higher than the target; a rating of red will be assigned if the O&M costs per customer are more than 3% higher than the target.

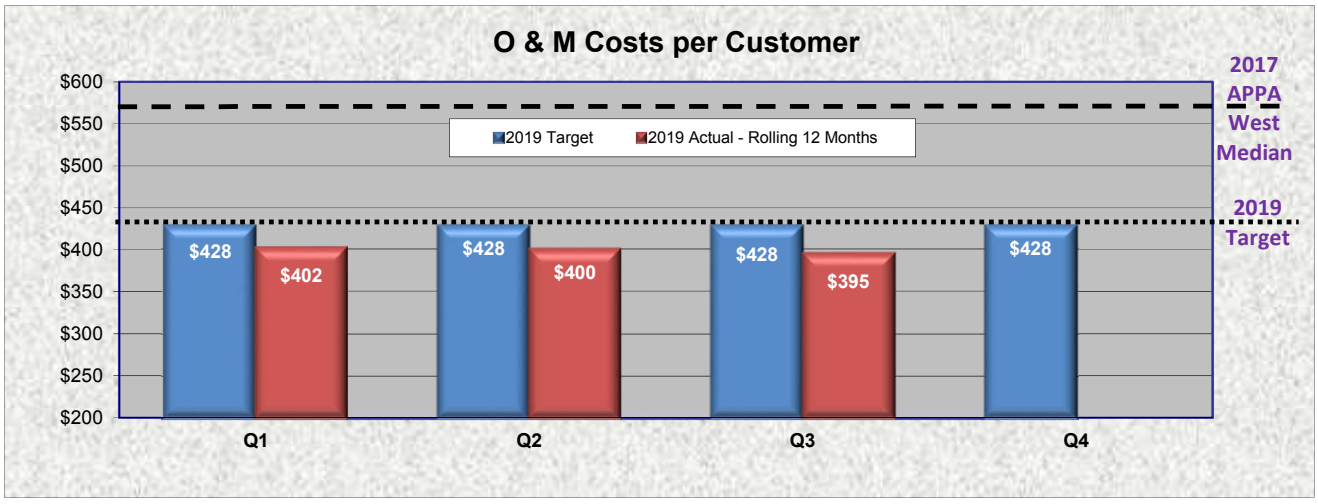
Goal
Maintain or decrease the O&M costs per customer as compared to the 2019 target of $428 per customer.

	O & M	
	2019 Target	2019 Actual
Q1	$428	$402
Q2	$428	$400
Q3	$428	$395
Q4	$428	

Information Only	Stated Year Dollars	2019[1] Dollars
Benton PUD - CY 2017 Actual*	$401	$425
Benton PUD - CY 2018 Actual*	$399	$411
Benton PUD - CY 2019 Budget*	$428	$428
APPA - 2016 West median[2]	$584	$638
APPA - 2017 West median[2]	$567	$602

** includes bad debt expense, does not include GASB pension entry or NESC*
(1) Escalated at 3% per year
(2) Selected Financial and Operating Ratios of Public Power Systems survey
(Note: accounting for payroll taxes and benefits may vary among utilities)

Quarterly Performance Summary
O&M costs per customer on a rolling 12-month basis at the end of the third quarter were $395, which is 8% below the Target amount. The Target amount is calculated on the original budget. The Target based on the amended budget is the same as the original budget at $428.The District continues to be well below the APPA West median of $567.



2019 Status			
Q1	Q2	Q3	Q4
Outlook			

Performance Measure Title

Accounts Receivable Collections

Definition

Percentage of accounts receivable that are outstanding and less than 60 days after billing.

How Performance Measure is Computed

The percentage is calculated by dividing the amount of accounts receivable under 60 days by the total amount of accounts receivable for electric customers. This measure does not include miscellaneous accounts receivable, such as power billings or cost reimbursements.

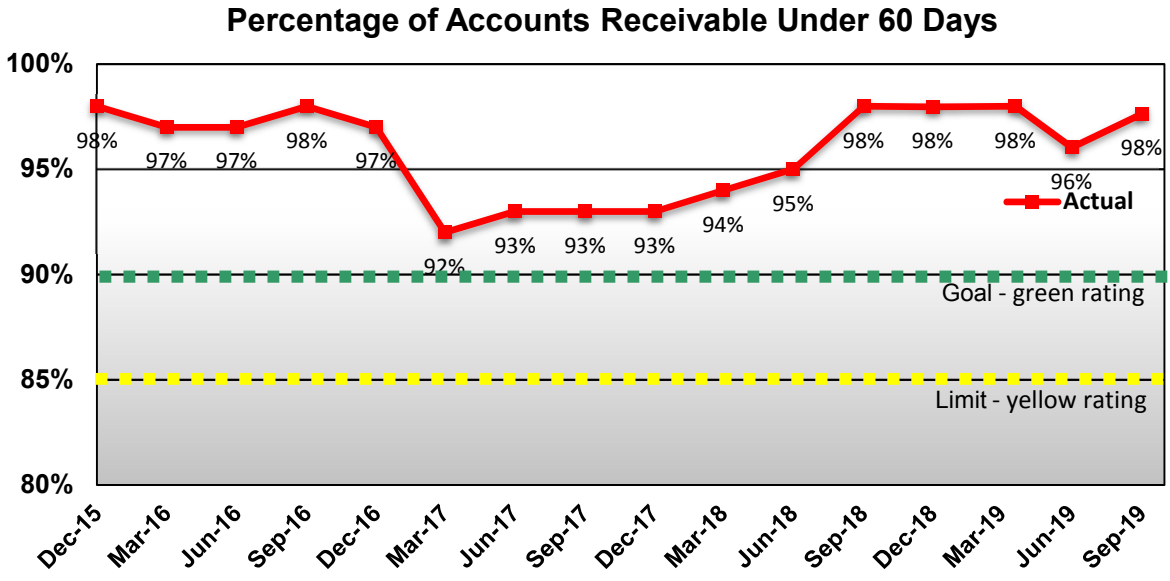
Goal

The goal is to increase the percentage of accounts receivable under 60 days to a level of 90% or more of the total accounts receivable. A green rating will be achieved if the actual results are at 90% or higher; a yellow rating will be assigned if the actual results are between 85% to 90%; a red rating will be assigned if the actual results are below 85%.

	Goal		Actual
Q1	90%	Q1	98%
Q2	90%	Q2	96%
Q3	90%	Q3	98%
Q4	90%	Q4	

Quarterly Performance Summary

This performance measure is rated green for the quarter. The goal was exceeded each month during the quarter, with September at 98%.



Responsible Manager: Christie McAloon

Data Provider: Kent Zirker

Report Date: 10/30/2019

2019 Status			
Q1	Q2	Q3	Q4
Outlook			

Performance Measure Title

Safety

Definition

The measure will benchmark reportable injuries or illnesses as recorded on the OSHA 300 log. The summary will specify incidents and look for trends and opportunities to correct through training, retraining, work procedure changes, engineering controls or other reasonable actions to address.

How Performance Measure is Computed

We will use the OSHA Form 300A "Summary of Work Related Injuries and Illnesses" for safety benchmarking against the Bureau of Labor Statistic numbers published each year. The basic requirement for recording an illness or injury is if it results in any of the following: death, days away from work, restricted work or transfer to another job, medical treatment beyond first aid, loss of consciousness, or a significant injury or illness diagnosed by a physician or other licensed health care professional. The incidence rates are calculated according to the following formula: (N/EH) x 200,000 where N = number of incidents for the previous 12-months and EH = total hours worked by all employees during the same 12-month period. The 200,000 is the constant for 100 full-time workers working 40 hours per week for 50 weeks per year.

Benchmark (not to exceed)

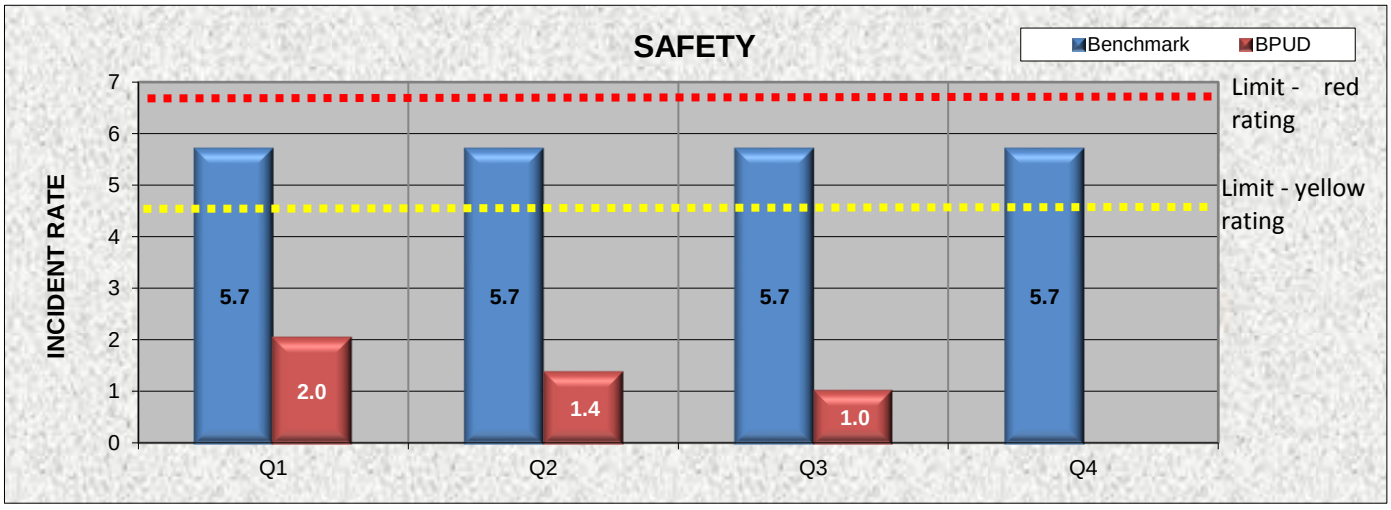
The benchmark is to be less than the Total Recordable Cases as published annually by the Bureau of Labor Statistics. This figure changes annually as a result of OSHA 300 log reports. This measure will be rated green if BPUD calculated reportable incidents are below 80% of the benchmark, yellow if they are between 80%-120% of the benchmark, and red if they are over 120% of the benchmark or as a result of a serious injury and/or Labor and Industries citation.

	Benchmark	BPUD
Q1	5.7	2.0
Q2	5.7	1.4
Q3	5.7	1.0
Q4	5.7	

Quarterly Performance Summary

The following incident was reported on the OSHA 300 form in the last 12 months (October 1, 2018 - September 30, 2019):

- 10.18.18 Lead Serviceman: Strained his back when stepping off the truck and landed in a hole covered by weeds. This was a recordable incident but did not result in a lost time.



Responsible Manager: Steve Hunter

Data Provider: Diane Schlekewey

Report Date: 10/24/2019

2019 Status			
Q1	Q2	Q3	Q4
Outlook			

Performance Measure Title

Training & Development Attendance

Definition

This performance measure reflects the results achieved in meeting the training and development attendance goals for the quarter. The training goal includes those Leadership and Workforce courses approved by the Leadership Team. Under utilization wastes the resources of the learning staff member (LSM) (preparing for courses that are not delivered), causes rework (having to facilitate make up classes) and wastes the purchase of participant materials. The goal is to ensure the majority of scheduled participants attend the training, while allowing flexibility for those on approved medical leave of absence. Lack of meeting the attendance goals may reflect other legitimate schedule conflicts, ineffective course frequency or length, priority-setting improvements needed of participants and/or their managers, or other factors that may interfere with the training goal for the quarter.

How Performance Measure is Computed

The target is derived each quarter based on the District Leadership and Workforce training goals approved by the Leadership Team. It is the percentage of learning hours completed against the scheduled learning hours, with the goal minimum set at 90% of the required training participants' learning hours to achieve a green rating. A yellow rating reflects attendance at 80 - 89.99% of required participants, and a red rating reflects below 80% of required participants.

Goal

Achieve 90% of training goal minimum (required attendees).

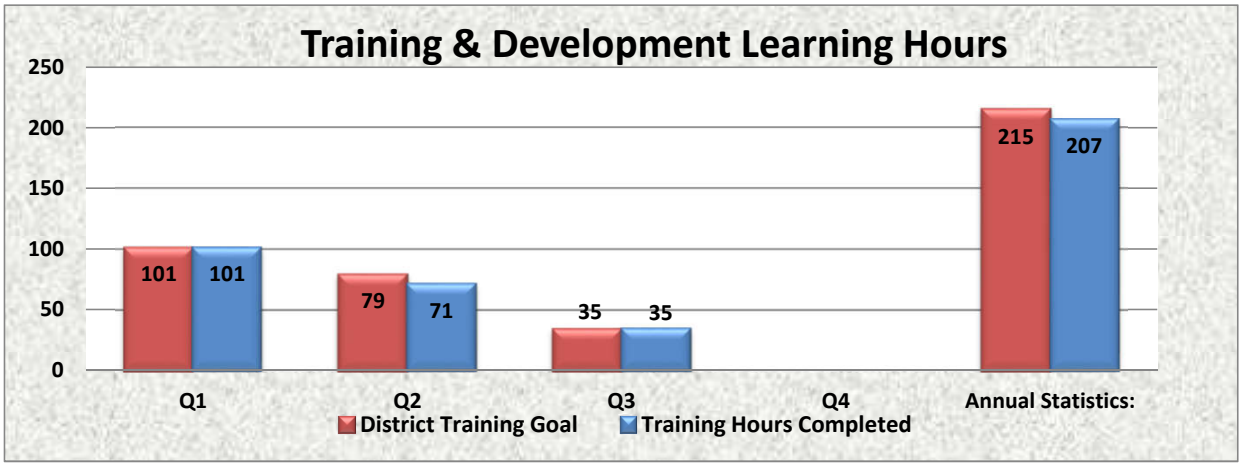
	Training Hours Goal	Training Hours Completed	% to Goal
Q1	101	101	100%
Q2	79	71	90%
Q3	35	35	100%
Q4			
Year Total:	215	207	96%

Color Rating
90% +
80.00-89.99%
< 80%

Quarterly Performance Summary

During the third quarter of 2019, 100% of scheduled learning hours were completed for ten new hires (four Customer Service Representatives, one Financial Speciallist II, One Meterman Journeyman two Lineman-Journeymen, one Mechanic, and one IT Specialist). The following required trainings were scheduled and attended during the quarter resulting in an overall green rating with 100% attendance:

	Scheduled	Attended	Attendance %
HR Policies	10	10	100%
Ethics and Conduct	10	10	100%
Workplace Violence Prevention	10	10	100%
Records Policy Training	6	6	100%



Responsible Manager: Melina Conover

Data Provider: Kayla Sidwell

Report Date: 10/23/2019

Performance Measure Title

Safety Meeting and Training Attendance

2019 Status			
Q1	Q2	Q3	Q4
Outlook			

Definition

This performance measure reflects the results achieved in meeting the safety program training and participation goals for the quarter. The training goal includes those trainings sponsored by the District and where attendance is required. The participation aspect includes non-training activities that depend upon employee involvement. The goal is to ensure the majority of scheduled participants attend the trainings or meetings while allowing flexibility for those on protected leave. Failing to achieve the goals may reflect other legitimate schedule conflicts, ineffective course frequency or length, priority-setting improvements needed for participants and/or their managers, or other interfering factors.

How Performance Measure is Computed

The target is derived each quarter based on the group participation goals approved by the Central Safety Committee and Leadership Team. It is the percentage of training/meeting attendendance against the expected attendance, as well as the number of Operations crew reports turned in. The rating is set so all of the meeting and training attendance averaged together must equal 90% or above to achieve a green rating. A yellow rating reflects an average between 80-89.99% , and a red rating is less than 80% average attendance.

Goal

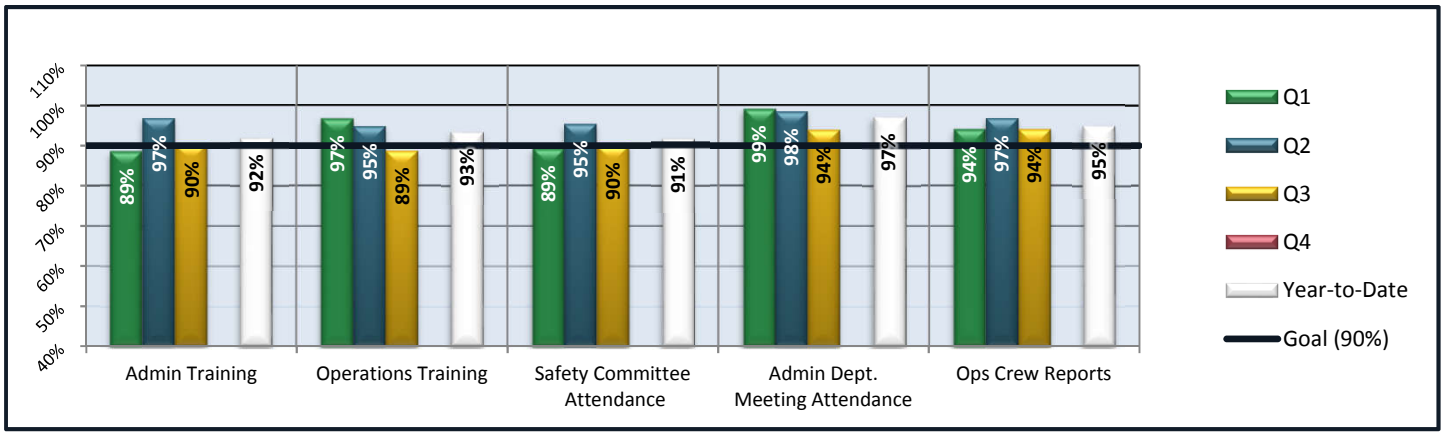
Achieve minimum 90% or greater average attendance and participation at safety-related trainings and meetings

	Training Goals			Participation Goals				Goals
	Admin Training	Ops Training	AVG	Committee Attendance	Admin Dept Attendance	Ops Crew Reports	AVG	Overall AVG
Q1	88.5%	96.7%	92.6%	89.2%	99.0%	94.0%	94.1%	**93%**
Q2	96.7%	94.7%	95.7%	95.2%	98.3%	96.7%	96.7%	**96%**
Q3	90.2%	88.6%	89.4%	89.9%	93.8%	93.9%	92.5%	**91%**
Q4								
Year	91.8%	93.3%	92.6%	91.4%	97.0%	94.9%	94.5%	**94%**

Rating
AVG ≥ 90%
AVG = 80-89%
AVG < 80%
Incomplete

Quarterly Performance Summary

In the third quarter, the Administrative and Operations groups averaged 91% across the safety training and participation goals set for both groups. Ops general safety trainings were Fire Extinguishers, Back Safety, and Substation Visits, for an average of 89%. The third quarter training topic for Admin was Situational Awareness with 90% attendance. Average attendance across all three safety committees in the quarter resulted in 90% attendance.



2019 Status			
Q1	Q2	Q3	Q4
Outlook			

Performance Measure Title

Hiring Efficiency - "Time to Fill"

Definition

The purpose of assessing "Time to Fill" is to measure the time in calendar days from approval of a job requisition up to the existing employee acceptance of a new job offer or the date a candidates background screening is cleared by the Manager of Human Resources. Human Resources will use this information to determine and report to District management areas of strength and areas that may need adjustment to ensure recruitment process timelines are not extended to unreasonable lengths.

How Performance Measure is Computed

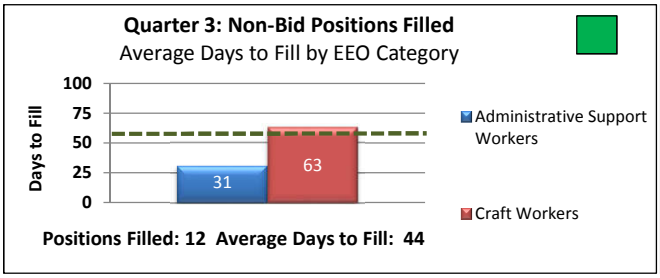
This measure shows the average number of days to fill a position by EEO category, for both non-bid and bid jobs, on a monthly and annual basis.

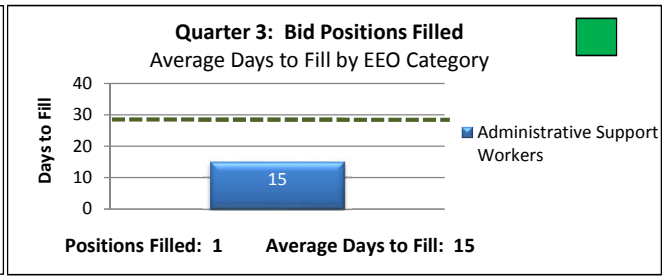
Goal

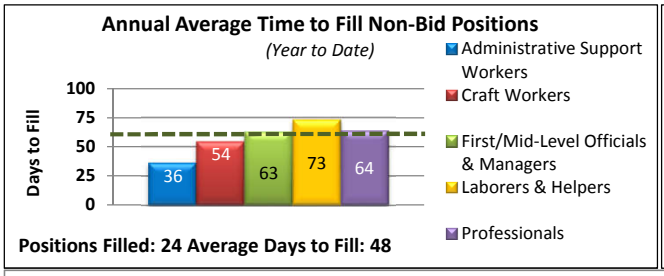
Green ratings will be issued when all the bid jobs filled in the measured quarter average 28 days or less and for non-bid jobs when the average filled is 60 days or less. Yellow ratings will be issued when the days to fill for bid jobs are 29 to 35 days and for non-bid jobs when the days to fill are 61 to 74 days or when either the bid or non-bid job rating is green and the other is yellow. An overall red rating will be issued when either the bid or non-bid rating is red. The rating for Outlook will be based on the Age of Open Positions, using the previously noted measurements, and estimation of additional time to fill. (Note: Annual numbers are provided for informational purposes only).

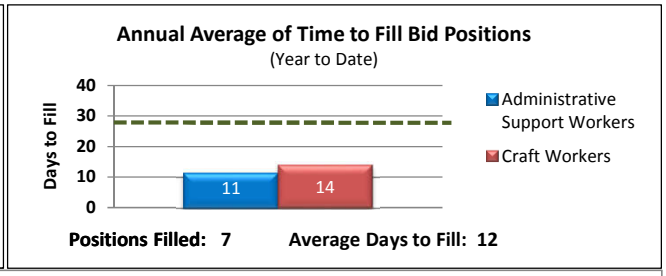
Quarterly Performance Summary

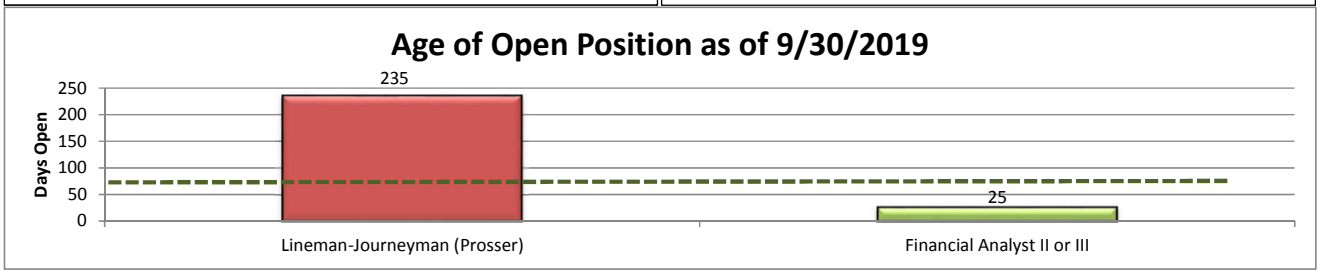
During the third quarter of 2019, the District successfully filled thirteen (13) posted positions. The non-bid positions filled were 1 - IT Support Specialist I, 1 - Mechanic, 2 - Lineman Journeyman (Kennewick), 1 - Financial Specialist II, 1 - Meterman Journeyman, 1- Lineman Journeyman Temporary (Kennewick), 2 - Customer Service Representative I Limited Assignment (Prosser), 1 - Customer Service Representative I On Call (Prosser), and 2 - Customer Service Representative I (Kennewick). The third quarter rating for non-bid positions is Green as the average time to fill all positions was under 60 days. The bid position filled was 1 - Customer Service Specialist (Kennewick). The first quarter rating for bid positions is green. At the conclusion of the third quarter, the District had two (2) full time postings remaining open: 1 - Lineman Journeyman (Prosser) and 1 - Financial Analyst II or III. The outlook is green as the Lineman Journeyman positions in Prosser were filled in the fourth quarter.











Responsible Manager: Melina Conover

Data Provider: Karen Dunlap

Report Date: 10/21/2019

2019 Status			
Q1	Q2	Q3	Q4
Outlook			

Performance Measure Title

Day Ahead Power Price vs. ICE Index

Definition

Measures the difference between the daily weighted average unit price for actual purchase and sale transactions and the Intercontinental Exchange (ICE) Firm Mid-Columbia Price Index for the same day. This measure evaluates the effectiveness of the District in executing transactions relative to the average market price for all transactions for a particular day. The ability to transact at close to the daily ICE index price is important for the District. The District from time to time enters into financial transactions that contain settlement provisions based upon ICE index prices. The efficacy of hedging with financial transactions is diminished if the District is unable to execute transactions near the index price. Additionally, the District is required to compensate the other Packwood purchasers for non-firm energy production at a price indexed to the daily ICE index price.

How Performance Measure is Computed

A single $/MWh figure will be calculated for each calendar quarter that reflects the difference between the actual weighted average price of all transactions executed by the District and the weighted average price if all transactions had been priced at the daily ICE Index prices. Purchase and sale transactions will be melded into this single figure. Purchases made at less than index, and sales made at greater than index, will be treated as positive values. Purchases made at greater than index, and sales made at less than index, will be treated as negative values. If the weighted average price of all District transactions during a calendar quarter exactly equals the weighted average ICE index price, the performance measure will equal $0/MWh. To the extent the District sells energy above index or purchases energy below index, the performance measure will be greater than $0/MWh. To the extent the District sells energy below index or purchases energy above index, the performance measure will be less than $0/MWh.

Goal

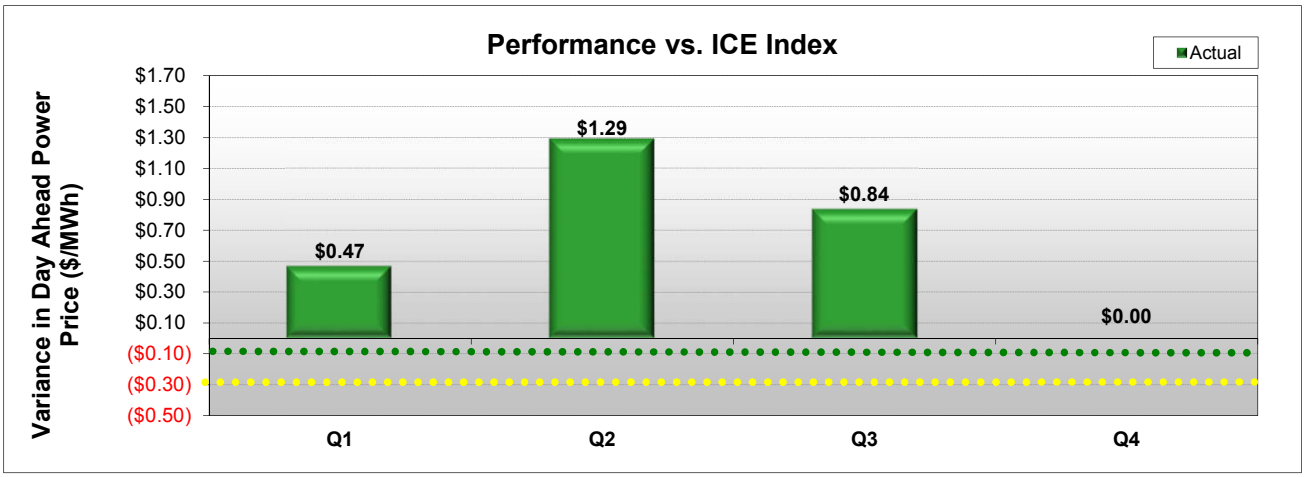
Unit prices equal to daily ICE price index. A green rating will be assigned if actual unit price is above index or less than $.10 below index; a yellow rating if actual is below index by $.11 - $.30; a red rating if actual is more than $.30 below index.

	Goal	Actual
Q1	$0.00	$0.47
Q2	$0.00	$1.29
Q3	$0.00	$0.84
Q4	$0.00	
Annual	$0.00	$ 0.86

	Volume (MWh)		Avg Actual vs Index Price Variance	
	Purchase	Sale	Purchase	Sale
Q1	24,659	96,656	$ 2.28	$ 1.17
Q2	20,167	94,766	$ (1.11)	$ 1.33
Q3	6,306	55,816	$ 0.26	$ 0.96
Q4				
YTD	51,132	247,238	$ 0.69	$ 1.18

Quarterly Performance Summary

TEA day ahead trading outperformed the market for the quarter and added value to the District. The quarter net purchases and sales value above index was a weighted average of $0.84, resulting in a green rating for this performance measure.



Responsible Manager: Kevin White

Data Provider: Robby Branom/TEA

Report Date: 10/14/2019

2019 Status			
Q1	Q2	Q3	Q4
Outlook			

Performance Measure Title

Net Secondary Market Activity

Definition

Measures the District's net secondary market activity by comparing the actual versus budget monthly average market price and associated secondary market sales revenue and power purchase cost. The measure also evaluates the effectiveness of the District's management of power supply risk through the use of long-term contracts, hedging, forward sales and purchases, and financial derivatives. Secondary market sales revenue when the District is long on energy and secondary market purchases when the District is short on energy are critical elements of the District's net power costs.

How Performance Measure is Computed

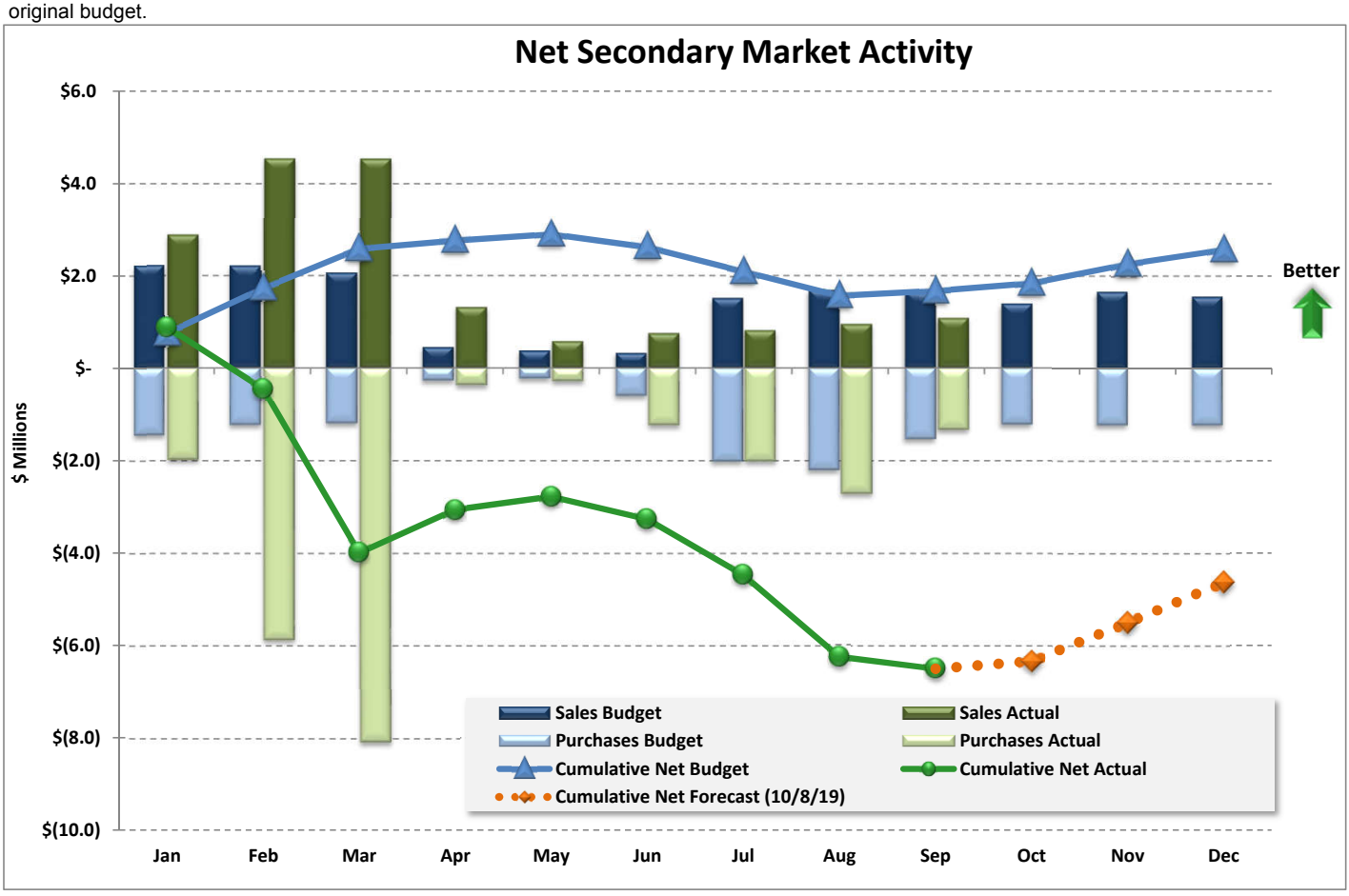
Quarterly status based on the actual net secondary market activity (secondary market sales and purchases) versus the budgeted net secondary market activity. Outlook is based on the likelihood of meeting annual budgeted net secondary market activity based on the year-to-date cumulative activity plus the remainder of the year forecast.

Goal

Achieve net secondary market activity equal to or better than the budgeted net secondary market activity. A green rating will be assigned if actual net secondary market activity is equal to or less than 10% worse than budgeted net secondary market activity; a yellow rating if 11% - 19% worse than budgeted net secondary market activity; a red rating if 20% or more below budgeted net secondary market activity.

Quarterly Performance Summary

Net secondary market activity in Q3 was worse than budgeted primarily due to higher than budgeted forward market prices for financial hedges and forward physical power purchases made earlier in the year. Actual market prices were significantly lower than expected due to the mild summer in the northwest; however, the District was well positioned for potential market volatility if there had been a major heat event or price spikes due to other regional constraints. The Q3 net secondary market activity was $2.3M worse than the original budget. The latest forecast for net secondary market activity is a net cost of $4.6M. The Q3 rating and outlook are red because the projected net secondary market activity is more than 20% worse than original budget.

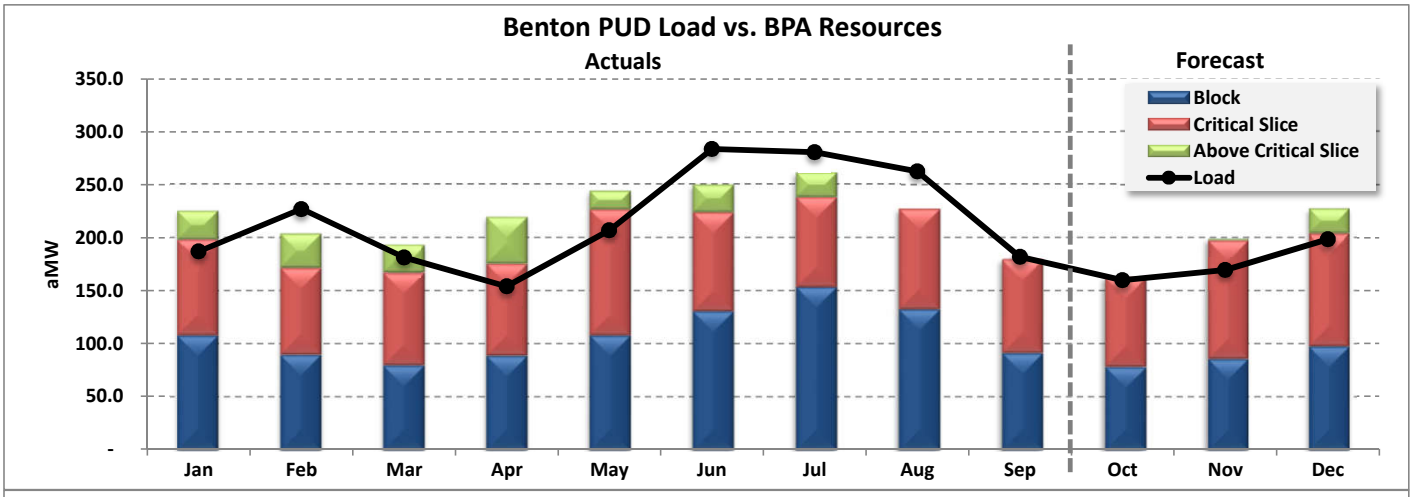


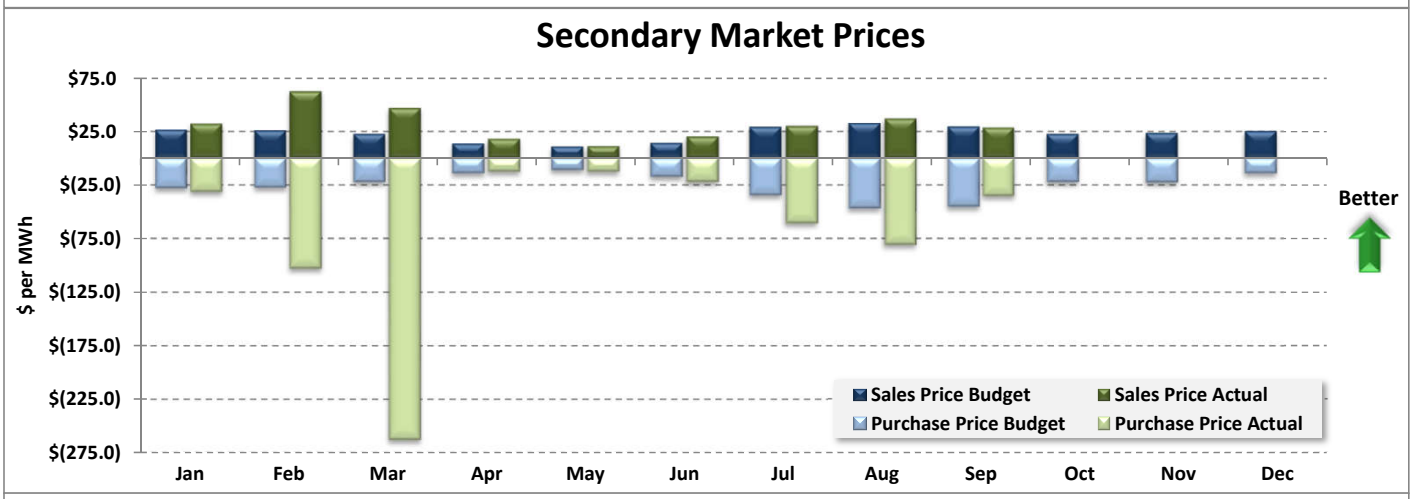
Responsible Manager: Kevin White

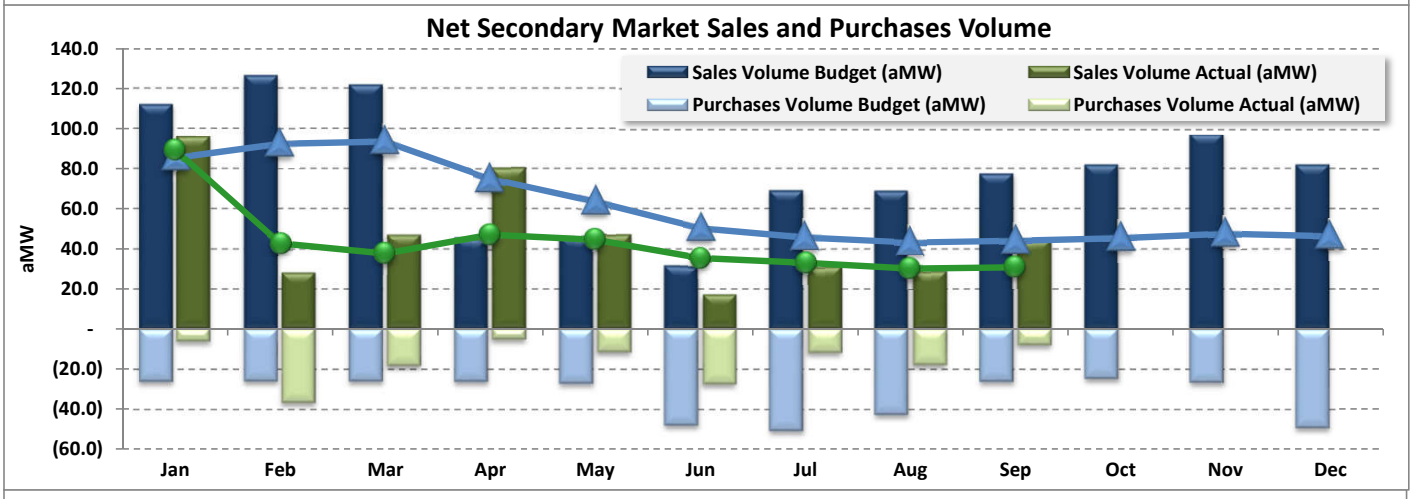
Data Provider: Kevin White

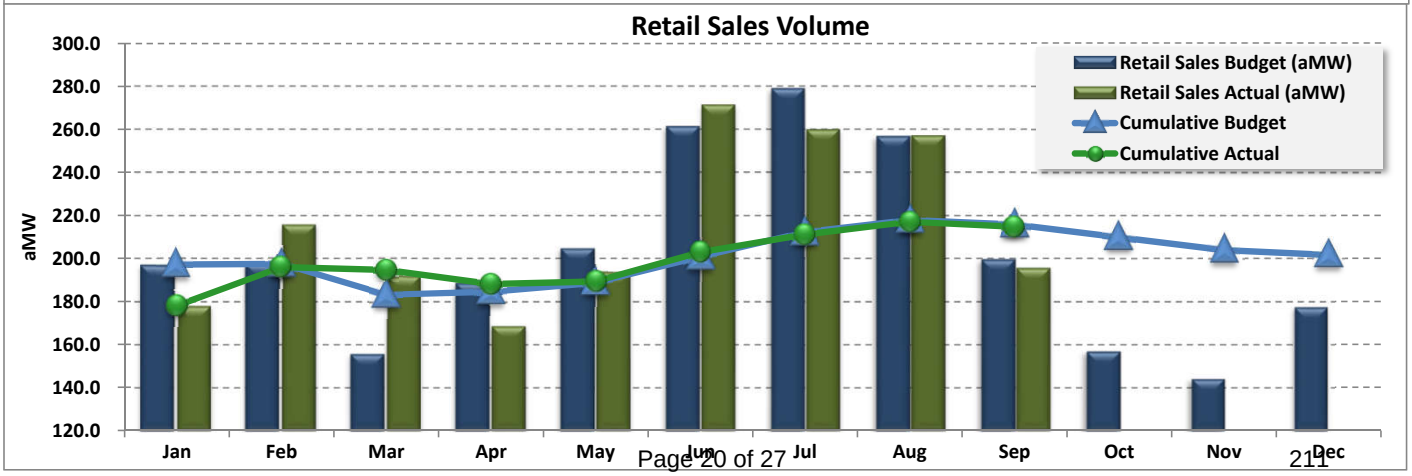
Report Date: 10/17/2019

Net Secondary Market Activity Influencing Factors









2019 Status			
Q1	Q2	Q3	Q4
Outlook			

Performance Measure Title

Conservation Plan Bi-Annual Actuals/Target

Definition

The District will monitor our quarterly conservation accomplishments and target levels in compliance with the Energy Independence Act (EIA). The District's ten-year cost-effective conservation resource potential and 2018-2019 biennial target was developed to meet the District's conservation objectives and was approved by Commission on October 24, 2017. The objective is to meet and exceed the Districts 2.25aMW 2018-2019 energy savings biennial target. Total EIA cumulative savings since 2010 has exceeded 16aMW. Total Program savings are from District conservation programs acheived specifically in our service area. Northwest Energy Efficiency Alliance (NEEA) savings include codes and market transformation acheived in our service area.

How Performance Measure is Computed

Actual Savings are acquired through the implementation of energy efficiency measures in the District's conservation programs along with savings from NEEA. The savings value of these measures is determined by the Northwest Power and Conservation Council.

Goal

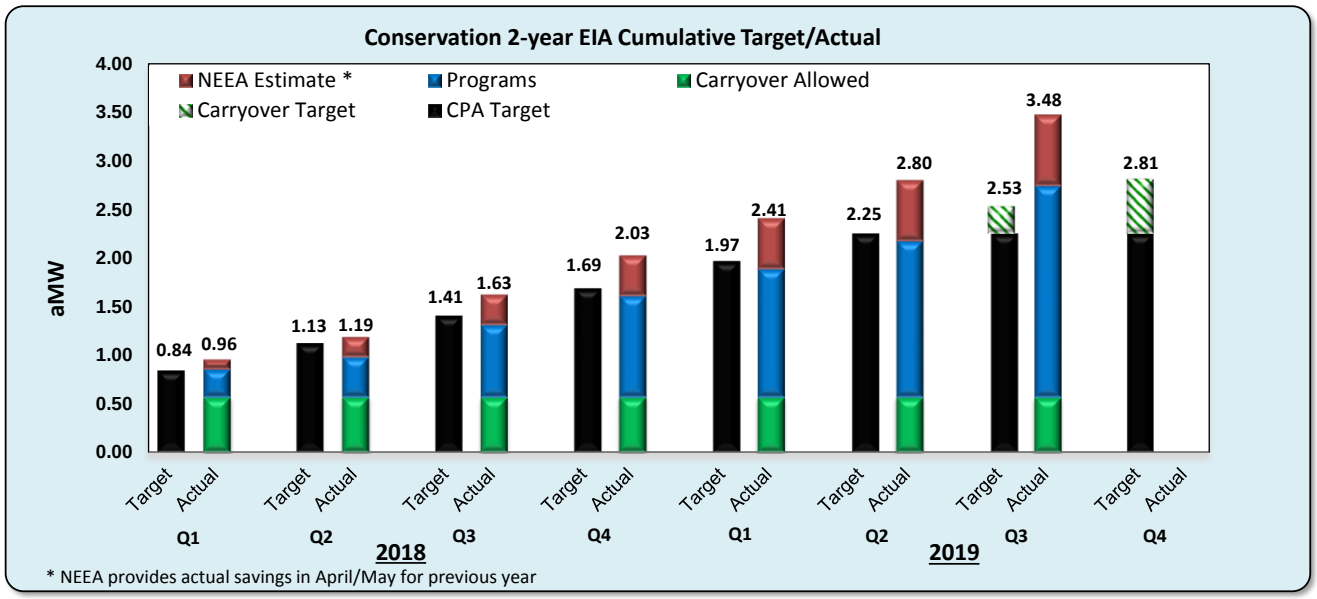
Ensure the District is on track to meet the 2018-19 conservation biennial target. Green rating is meeting or exceeding the target/goal to date. Yellow rating is from 0 to -5%, and red rating is -5% or more.

2018	Q1 Cumulative		Q2 Cumulative		Q3 Cumulative		Q4 Cumulative	
	Target	Actual	Target	Actual	Target	Actual	Target	Actual
Programs		0.29		0.42		0.75		1.05
Carryover		0.56		0.56		0.56		0.56
NEEA		0.11		0.21		0.32		0.42
Total aMW	0.84	0.96	1.13	1.19	1.41	1.63	1.69	2.03

2019	Q1 Cumulative		Q2 Cumulative		Q3 Cumulative		Q4 Cumulative	
	Target	Actual	Target	Actual	Target	Actual	Target	Actual
Programs		1.32		1.61		2.18		
Carryover		0.56		0.56		0.56		
NEEA		0.53		0.63		0.74		
Total aMW	1.97	2.41	2.25	2.80	2.53	3.48	2.81	

Quarterly Performance Summary

2019 Q3 was the most successful quarter of the biennium and resulted in savings around 0.57 aMW. This allowed the District to exceed its 2018-19 EIA target by more than 25% and therefore maintain its carryover amount into the next biennium.



Responsible Manager: Chris Johnson

Data Provider: Terry Mapes

Report Date: 10/28/2019

Performance Measure Title

Broadband Network Reliability

3 - 9s	4 - 9s	5 - 9s
99.9=G	99.95=G	99.999=G
99.8=Y	99.90=Y	99.995=Y
99.5=R	99.85=R	99.950=R

All Green=
Any Yellow=
Any Red=

2019 Status

Q1	Q2	Q3	Q4
Outlook			

Definition

We will be measuring four areas of network reliability: NoaNet (Regional Network), Core Network (Fiber Backbone), Ethernet (Customer Fiber) and Wireless. The measure of value and performance of a network is determined by the reliability of the network and at the extent to which it can maintain an adequate level of "up" time and service to the end users. The District's Broadband network consists of four segments and each of these segments will be measured independently as a part of the total network reliability. The measurements and tracking process will allow the Broadband technical and management staff to determine the level of service and value of the network to the Retail Service Providers and the end users they serve. The results of the measurements will be part of the rate setting structure, level of service guarantees provided to RSPs and performance of staff.

How Performance Measure is Computed

Target performance for backbone and upstream to NoaNet is to operate at 5-9's reliability, laterals at 4-9's reliability, and wireless at 3-9's reliability.

Goal

Maintain an adequate level of "up" time and service to end users.

Regional Network

	Goal	Actual
Q1	99.999%	100.000%
Q2	99.999%	100.000%
Q3	99.999%	100.000%
Q4	99.999%	

Fiber Backbone

	Goal	Actual
Q1	99.999%	100.000%
Q2	99.999%	100.000%
Q3	99.999%	100.000%
Q4	99.999%	

Customer Fiber

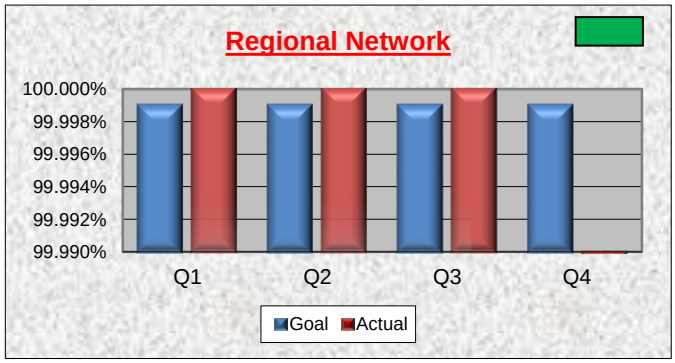
	Goal	Actual
Q1	99.95%	99.96%
Q2	99.95%	99.98%
Q3	99.95%	99.97%
Q4	99.95%	

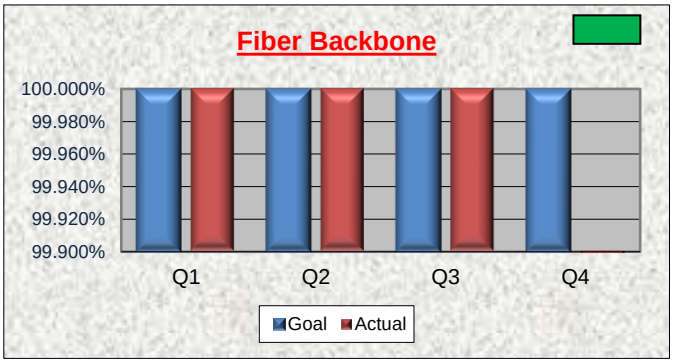
Wireless

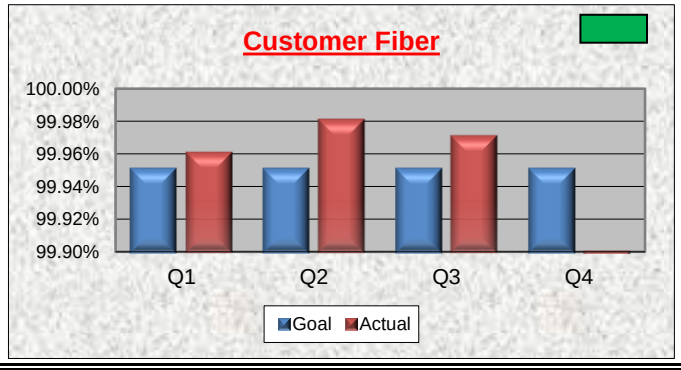
	Goal	Actual
Q1	99.9%	99.9%
Q2	99.9%	99.9%
Q3	99.9%	99.9%
Q4	99.9%	

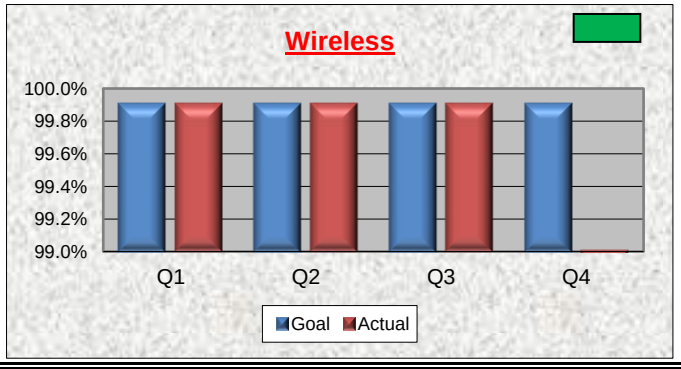
Quarterly Performance Summary

The network performed well overall.









Responsible Manager: Chris Folta

Data Provider: Dean Lightfoot

Report Date: 10/21/2019

2019 Status			
Q1	Q2	Q3	Q4
Outlook			

Performance Measure Title

Energy Loss Percentage

Definition

Energy Loss Percentage is the ratio of energy losses within the electrical system to total load as reported by BPA. This ratio measures how much energy is lost in the District's electrical system and is an indicator of the efficiency of the electrical system. It represents the percentage of electrical energy that is bought or generated by the utility, but is not available to be sold to customers. Losses include both physical losses that occur in the distribution system and metering and billing cycle losses.

How Performance Measure is Computed

This measure is computed by dividing the excess of BPA reported load over billed retail kWh on a rolling 12-month basis.

Goal

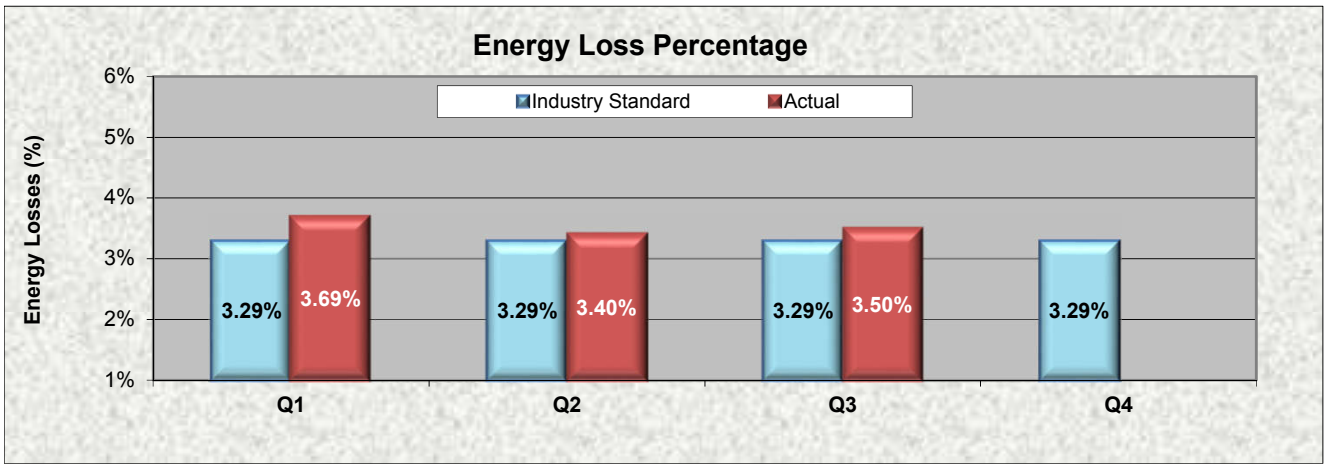
Industry Standard: The industry standard of 3.29% represents the median for 18 utilities with 50,000 to 100,000 customers in the 2017 APPA survey "Selected Financial and Operating Ratios of Public Power Systems" published in December 2018. Using the median as our benchmark provides a stable and relevant reference given the diversity of BPUD's distribution system and the fact we serve both urban and rural areas.

Rating: A green rating will be assigned if actuals are no more than one percentage point above the Industry Standard. A yellow rating will be assigned if actuals are between one and two percentage points above the Industry Standard, and a red rating will be assigned if actuals are more than two percentage points above the industry standard.

	Industry Standard	Actual	BPA Billed (aMW)	BPUD Billed (aMW)	Loss (aMW)
Q1	3.29%	3.69%	210.5	202.7	7.8
Q2	3.29%	3.40%	209.2	202.1	7.1
Q3	3.29%	3.50%	207.0	199.8	7.2
Q4	3.29%				

Quarterly Performance Summary

This measure is rated green for the second quarter because the actual energy loss percentage of 3.50% was less than one percentage point above the industry median for utilities in our customer size class.



Responsible Manager: Evan Edwards

Data Provider: Kent Zirker

Report Date: 10/25/2019

2019 Status			
Q1	Q2	Q3	Q4
Outlook			

Performance Measure Title

Electric Reliability

Definitions

SAIFI - System average interruption frequency index
Indicates how often the average customer experiences a sustained (greater than or equal to 5 minutes) interruption.

$$SAIFI = \frac{\Sigma \text{ Number of Customer Interruptions}}{\text{Number of Customers Served}}$$

SAIDI - System average interruption duration index
Indicates the total duration of interruption for the average customer during a predefined period of time.

$$SAIDI = \frac{\Sigma \text{ Customer Interruption Duration}}{\text{Number of Customers Served}}$$

CAIDI - Customer average interruption duration index
Indicates the average time required to restore service.

$$CAIDI = \frac{\Sigma \text{ Customer Interruption Duration}}{\Sigma \text{ Number of Customer Interruptions}} = \frac{SAIDI}{SAIFI}$$

Major Event Day - A day in which the daily system SAIDI exceeds a Major Event Day threshold value (TMED). Statistically, days exceeding the TMED threshold are days on which the energy delivery system experienced stresses beyond that normally expected.

How Performance Measure is Computed

Interruption information is logged into the District's Outage Management System (OMS), either automatically from the District's SCADA system or manually. The OMS calculates and reports outage statistics for interruptions lasting longer than five minutes, including Major Event Days and excluding planned outages and customer problems.

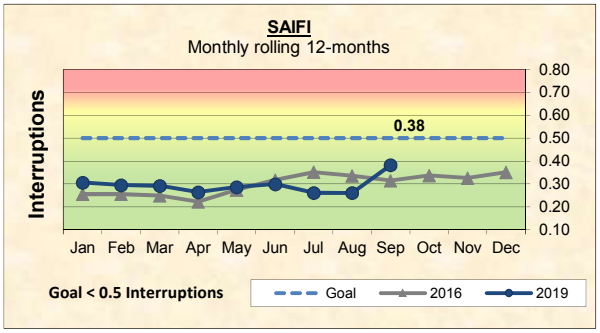
Goal

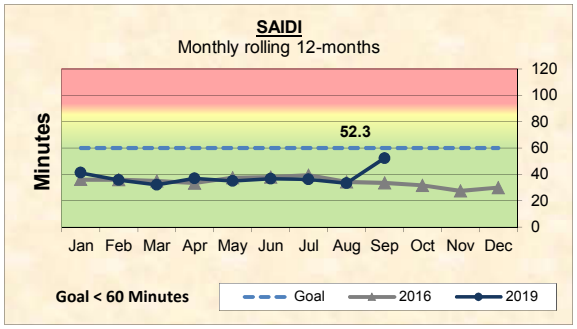
Compare recent 12-month performance to a goal equal to a four year (2005-2008) historical average. The performance rating will be "green" if the index is up to 20% above the goal, "yellow" if between 20% and 40% above and "red" if greater than 40% above the goal.

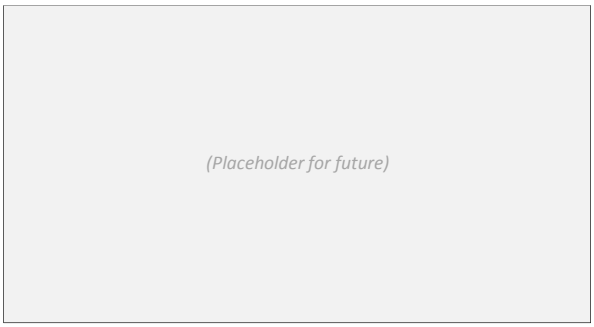
Quarterly Performance Summary

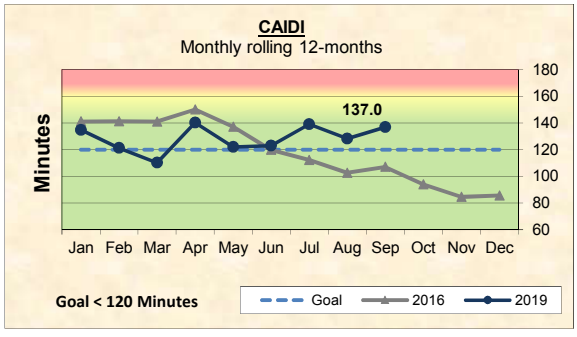
The SAIFI, SAIDI, and CAIDI metrics are typically compared on a year over year basis. However the data in 2017 through Q2 2018 is unreliable due to the change in the District's OMS system and cannot be used for year over year trending because of outage parameter changes and undefined outage review processes. For Q3 2019 and going forward there are a sufficient number of data points to go back to 12 month samples. As 2016 is the last full good year of data available it is being shown for the year over year comparison.

Over the 12-month time period from October 2018 to September 2019, **SAIFI of 0.38** interruptions is below the goal of 0.5, resulting in a green rating. **SAIDI of 52.3** minutes is below the goal of 60, resulting in a green rating. **CAIDI of 137** minutes is over the goal of 120 but less than 120% of the goal, resulting in a green rating. SAIFI and SAIDI show an increase in September, but this is due to several feeder outages that all occurred in September. CAIDI has shifted around due to ups and downs in the monthly SAIFI and SAIDI values but remains less than 120% of the goal.









Responsible Manager: Evan Edwards
Data Provider: Dax Berven

Report Date: 10/30/2019

2019 Status			
Q1	Q2	Q3	Q4
Outlook			

Performance Measure Title
Electric System Outages

Definitions

Outage - Interruption of electrical service, for greater than or equal to 5 minutes, to one or more customers, excluding planned outages.
Cause - The reason the outage occurred.
Region - The geographic zone, as defined by the District's Geographical Information System, where the outage occurred.
Customer - A metered electrical service point for which an active bill account is established at a specific location.
Customer Minutes Out - The number of customers interrupted in an outage multiplied by the duration of the outage in minutes.

How Performance Measure is Computed

Outage information is logged into the District's Outage Management System (OMS). Every outage that occurs has an associated cause, region, number of customers affected and the number of customer minutes out. The outage data is queried from the OMS database using reporting tools and entered into a spreadsheet for summation and graphing purposes. The data is reported for a rolling 12-month time period, which removes any seasonal variation when looking for trends. This data is similar to the data used for calculating the quarterly performance measure titled "Reliability Indices". The reliability indices are useful as a performance indicator and for benchmarking purposes, but they do not provide the detail required to fully understand what factors are influencing reliability.

Goal

To identify electric system outage trends by cause and region over a 12-month time period. Trends in the negative direction will result in a yellow rating; otherwise a green rating will apply. No red ratings will be used.

Quarterly Performance Summary

Rolling 12 Months Reported Quarterly

Outage Statistics	2016-Q4	2019-Q1	2019-Q2	2019-Q3	2019-Q4
Outage Count	459	498	531	571	-
Customers Out	18,908	20,118	14,801	20,594	-
Customer Minutes Out	1,593,499	2,824,978	2,108,210	2,947,406	-

Overall Summary: The data for Q3-2019 are being compared to the 12 month average for Q4-2016 as this is the last full year of reliable data. Overall outage counts have increased but that is attributable to OMS now being able to register all outages down to the single meter. Customers out has gone up and down with no trending. Customer Minutes out has gone up and will be monitored to see if the trend continues. The quarter will be given a green rating.

Outages by Cause	2016-Q4	2019-Q1	2019-Q2	2019-Q3	2019-Q4
Equipment	244	224	248	261	-
Animals	79	76	100	99	-
Weather	11	38	29	42	-
Foreign Interference	61	70	75	79	-
Vegetation	12	24	25	29	-
Undetermined	52	66	53	61	-
Total	**459**	**498**	**531**	**571**	**0**

Cause Summary: Outages caused by equipment, animals, and foriegn interference are higher than our historic average and will be monitored to see if a trend develops. Outages caused by weather and vegetation are in line with our historic average as 2016-Q4 was a very low quarter for these types. Undetermined events did increase but that is expected with the overall increased in number out outages.

Outages by Region	2016-Q4	2019-Q1	2019-Q2	2019-Q3	2019-Q4
East Kennewick	205	202	203	208	-
West Kennewick	148	128	147	161	-
Benton City & Prosser	77	124	121	124	-
River & Hanford	29	44	60	78	-
Total	**459**	**498**	**531**	**571**	**0**

Region Summary: The Benton City and Prosser areas showed an increase in number of outages and a decrease in the number of minutes compared to the 2016-Q4 12-month window. East Kennewick showed an increase in customer minutes compared to the 2016-Q4 12-month window. West Kennewick shifted over and under the average month to month, but showed a slight increase in number of customers out compared to the 2016-Q4 12 month window.

Responsible Manager: Evan Edwards
Data Provider: Dax Berven
Report Date: 10/30/2019

Performance Measure Title

Enterprise Application Reliability

1 Y or All G =	
2 Y or 1 R =	
2 R =	

2019 Status			
Q1	Q2	Q3	Q4
Outlook			

Definition

Measures the reliability of seven enterprise software applications: HPRM (document management system), iVUE (customer information system, financials and payroll, outage management system, document vault, and work scheduling), Epicor HCM (human resources management system), GIS (mapping system), SCADA (electrical system monitoring and operations system) and AMI (automated metering system). We will also measure the realiability of the databases that support these applications, along with cloud applications critical to the functions of the District. The measure of value and performance of software applications is determined by the reliability and maintaining an adequate level of "up" time and service to the end users. The measurements will allow management staff to determine the level of service and value of each application to the end users they serve.

**note for the applications to be considered available, all parts must be available as defined by each system owner*

24x7 Applications*

Downtime	Rating
>99.99	0-13 mins	Green
99.96-99.98	14-25 mins	Yellow
<=99.95	> 26 mins	Red

*iVUE, GIS, SCADA, AMI, Databases

Business Hour Applications*

Downtime	Rating
>99.99	0-6 mins	Green
99.96-99.98	10-37 mins	Yellow
<=99.95	> 37 mins	Red

*TRIM, HRMS

Cloud Applications *

Downtime	Rating
>99.90	0-131 mins	Green
99.85-99.89	132 - 199 mins	Yellow
<=99.84	> 199 mins	Red

*Kiosk, SmartHub, MDMS, Payment Gateway, AppSuite

How Performance Measure is Computed

Target performance for each application has been defined by the respective System Owner and is indicated in the "Goal" columns below. For HPRM and HRMS, the performance is based on Business Hours and iVUE, GIS, SCADA, AMI, cloud applications and the databases are based on 24x7 availability. Each system has a Scheduled Maintenance Window for allowed after hours maintenance that will be excluded from the measurements.

Goal

Maintain an adequate level of "up" time and service to end users.

Quarterly Performance Summary

This performance measure is rated yellow for this quarter due to a fiber cut between Kennewick and Prosser. This prevented the iVUE Cloud applications from functioning until the fiber was repaired. The goal for the AMI system has been updated on this performance measure to match the service level agreement provided by our software vendor.

System	Goal	Q1	Q2	Q3	Q4
HPRM	99.99%	100.00%	100.00%	100.00%	
iVUE	99.99%	99.68%	100.00%	100.00%	
HRMS	99.99%	100.00%	100.00%	100.00%	
GIS	99.99%	100.00%	100.00%	100.00%	
SCADA	99.99%	99.99%	100.00%	100.00%	
Databases	99.99%	100.00%	100.00%	100.00%	
AMI	99.90%	100.00%	100.00%	100.00%	
iVUE Cloud Applications	99.90%	99.70%	100.00%	99.68%	

Responsible Manager: Chris Folta

Data Provider: Jennifer Holbrook

Report Date: 10/31/2019

Performance Measure Title

Infrastructure Component Reliability

1 Y or All G =	
2 Y or 1 R =	
2 R =	

2019 Status			
Q1	Q2	Q3	Q4
Outlook			

Definition

Measures the reliability of eight key Infrastructure components: Network (Core business computer network), NoaNet Service (Outside Internet provider), Kennewick-Prosser communications link, TEA/SCADA Network (The Energy Authority and SCADA communications), SAN (Storage Area Network), VDI (Virtual Desktop Infrastructure), Phones (Phone System), and Exchange (Email System). The measure of value and performance of infrastructure components is determined by the reliability and maintaining an adequate level of "up" time and service to the end users. The measurements will allow management staff to determine the level of service and value of each application to the end users they serve. Below is a chart to explain the thresholds in minutes of unplanned downtime.

24x7 w/99.9% uptime

	Downtime	Rating
>99.90	0-131 mins	Green
99.85-99.98	132-199 mins	Yellow
<=99.84	>199 mins	Red

*Network, NoaNet, TEA-SCADA

24x7 w/99.95 uptime

	Downtime	Rating
>99.95	0-65 mins	Green
99.95-99.9	65-129 mins	Yellow
<99.9	>= 130 mins	Red

*Phones

24x7 w/99.99 uptime

	Downtime	Rating
>99.99	0-13 mins	Green
99.96-99.98	14-25 mins	Yellow
<=99.95	> 26 mins	Red

*Kenn-Pross, SAN, VDI, Exch

How Performance Measure is Computed

Target performance for each component has been defined by the respective System Owner and is indicated in the "Goal" column below. All components are based on 24x7 availability.

Goal

Maintain an adequate level of "up" time and service to end users.

Quarterly Performance Summary

The IT Infrastructure performance measure was rated Red for the 3nd Quarter. On July 27th at 8:02pm a communications link between Kennewick and Prosser went down for 320 minutes due to a fiber break caused by a gunshot. At that time we didn't have our MPLS network fully operational and an outage was experienced on outbound and inbound Internet resulting in no communcation to TEA.

System	Goal	Q1	Q2	Q3	Q4
Network	99.90%	100.00%	100.00%	100.00%	
NoaNet Service	99.90%	100.00%	100.00%	99.72%	
Kenn to Pros Link	99.99%	100.00%	100.00%	99.67%	
TEA-SCADA Net	99.90%	100.00%	100.00%	99.72%	
SAN	99.99%	100.00%	100.00%	100.00%	
VDI	99.99%	100.00%	100.00%	100.00%	
Phones	99.95%	99.78%	99.90%	100.00%	
Exchange	99.99%	100.00%	100.00%	100.00%	

Responsible Manager: Chris Folta

Data Provider: Duane Crum

Report Date: 10/30/2019