



AGENDA
BENTON COUNTY PUBLIC UTILITY DISTRICT NO. 1
REGULAR COMMISSION MEETING

Tuesday, April 23, 2024, 9:00 AM
2721 West 10th Avenue, Kennewick, WA

The meeting is also available via MS Teams
The conference call line (audio only) is:
1-323-553-2644; Conference ID: 730 736 298#

- 1. Call to Order**
- 2. Pledge of Allegiance**
- 3. Agenda Review**

4. Public Comment – Regular Commission Meeting

(Individuals desiring to provide public comment during the meeting on items relating to District business, whether in person or remotely will be recognized by the Commission President and provided an opportunity to speak. Comments are limited to five minutes. Public Comment can also be sent to the Clerk of the Board in advance of the meeting at commission@bentonpud.org. Guidelines for Public Participation can be found on the Benton PUD District website at <https://www.bentonpud.org/About/Commission/Meeting-Agendas-Minutes>.)

5. Public Hearing – Ten-Year Cost Effective Conservation Resource and Biennial Target – (Resolution No. 2670) – Chris Johnson

pg. 3

6. 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 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.)

Executive Administration/Finance

- Minutes of Regular Commission Meeting of April 9, 2024 pg. 87
- Travel Report dated April 23, 2024 pg. 94
- Vouchers dated April 23, 2024 pg. 95
- Amending Guidelines for Employee Payroll Stipends for Mobile Communications Usage – Resolution No. 2671 pg. 123

Operations/Engineering

- Work Order 700303 – Olson Bros. Subdivision Phase 1 pg. 126
- Work Order 700540 – Southridge Apartments pg. 128

Procurement

- 2024 – 1st Quarter Contract Activity Report pg. 130
- Contract with NEOGOV – Contract #24-18-03 pg. 141
- Correction – Contract Award to States Manufacturing, Vista Bay 2, Bid #24-21-04 pg. 145

7. Management Report

8. Business Agenda

- a. Report on 2023 Internal Audits & 2024 Internal Audit Plan – Kent Zirker pg. 151
- b. Contract Award to Virginia Transformer Corp. – 2024-2025 LTC Power Transformers – Bid #24-21-06 – Evan Edwards pg. 159
- c. Setting Public Hearing Granting Utility Easements to City of Kennewick – Evan Edwards pg. 165

9. Other Business

10. Future Planning

11. Meeting Reports

12. Executive Session


13. Adjournment

(To request an accommodation to attend a commission meeting due to a disability, contact dunlapk@bentonpud.org or call (509) 582-1270, and the District will make every effort to reasonably accommodate identified needs.)



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

COMMISSION MEETING AGENDA ITEM

Subject:	Public Hearing on Benton PUD’s Amended 2024 – 2033 Ten-Year Cost-Effective Conservation Resource Potential and 2024 -2025 Biennial Target	
Agenda Item No:	5a	
Meeting Date:	April 23, 2024	
Authored by:	Chris Johnson	<i>Staff Preparing Item</i>
Presented by:	Chris Johnson	<i>Staff Presenting Item</i>
Approved by (dept):	Chris Johnson	<i>Director/Manager</i>
Approved for Commission review:	Rick Dunn 	<i>General Manager</i>

Motion for Commission Consideration

Motion to adopt Resolution No. 2670 for establishment of Benton PUD’s Amended 2024 – 2033, ten-year cost-effective conservation resource potential and 2024 – 2025 biennial target.

Background/Summary

This public hearing is being held to hear public comment concerning the District’s amended 2024 – 2033 ten-year cost-effective conservation resource potential and 2024 – 2025 biennial target as required for compliance with requirements of Washington State’s Energy Independence Act (EIA).

EIA, RCW 19.285, requires that each qualifying utility (those that serve more than 25,000 customers) shall pursue all available conservation that is cost-effective, reliable, and feasible.

WAC 194-37-070 describes requirements for documenting development of conservation targets and states, “Ten-year potential. By January 1st of each even-numbered year, each utility shall identify its achievable cost-effective conservation potential for the upcoming ten years.” “Biennial target. By January 1st of each even-numbered year, each utility shall establish and make public a biennial conservation target. The utility’s biennial target shall be no less than its pro rata share of the ten-year potential identified pursuant to subsection (1) of this section.” To set the ten-year cost-effective resource potential and biennial target, staff used the District’s attached March 2024 Conservation Potential Assessment (CPA) final report recently completed by EES Consulting.

The District previously adopted the 2024-2033 ten year cost effective resource conservation potential and 2024-25 biennial target on November 14, 2023, however the District was advised recently by EES Consulting who conducted the modeling for this target, that they had identified an error in their modeling assumptions. Their modeling did not include the 10% credit to conservation resources according to the Northwest Regional Power Act. All EES Consulting past

models conducted since 2012 included this credit. The exclusion of this credit was an oversight by EES and was not something utility staff would have been able to verify/check. Benton PUD along with three other utilities were also affected. A request for an audit extension has been put into place with the State audit that just began and will resume after the Districts amended target is adopted.

Recommendation

For compliance with the EIA, staff is recommending the District's amended 2024 – 2033 ten-year cost-effect conservation resource potential be established at 8.36 aMW and the District's 2024 – 2025 biennial target be established at 1.11 aMW.

Fiscal Impact

This amended target will not affect the Districts approved 2024-25 conservation budget plan which is projected at \$4.3M less \$3.8M BPA reimbursement, for a net District self-funding budget of approximately \$483,000.

March 25, 2024

Mr. Travis Beyerl
Office of the Washington State Auditor
P.O Box 40021
Olympia, WA 98504-0021

RE: Conservation Potential Assessment Audit for the 2024-2043 Reporting Period

Dear Mr. Beyerl:

During our review of the models used to develop the conservation potential for 4 of our public utility clients, EES identified an error in the modeling assumptions. The error resulted in not including the 10% credit to conservation resources according to the Northwest Regional Power Act. All of our past models have included this credit in the TRC test. The exclusion was an oversight by EES and was not something utility staff would have been able to verify/check prior to our recent delivery of the final models. The affected studies include those submitted by: Benton PUD, Grays Harbor PUD, Franklin PUD, and Grant County PUD.

This letter is to support each of these utilities in their requests for an audit extension. The extension needed will vary by utility as they each will have different timelines for adopting the amended targets. We are currently working expeditiously to develop amended models and reporting to support utility conservation targets that meet the requirements of the Energy Independence Act.

Thank you for your understanding of our human, but impactful, error. Please feel free to reach out to me if you need additional information.

Sincerely,



Amber Gschwend
Managing Director EES Consulting
425.655.1042
amber.gschwend@gdsassociates.com

RESOLUTION NO. 2670

April 23, 2024

**A RESOLUTION OF THE COMMISSION OF
PUBLIC UTILITY DISTRICT NO. 1 OF BENTON COUNTY, WASHINGTON
ESTABLISHING THE DISTRICT'S EIA AMENDED 2024–2033 TEN-YEAR COST-EFFECTIVE
RESOURCE CONSERVATION POTENTIAL AND 2024–2025 BIENNIAL TARGET**

WHEREAS, Washington State Energy Independence Act, RCW 19.285, (Initiative 937) mandates that each qualifying utility pursue all available conservation that is cost-effective, reliable, and feasible; AND

WHEREAS, The District is a qualifying utility under the Act; AND

WHEREAS, The Commission wishes to assert its authority under Title 54 of the Revised Code of Washington in its implementation of the Washington State Energy Independence Act; AND

WHEREAS, Washington Administrative Code (WAC) provisions, adopted by the Department of Commerce, recognize that the individual public utility has the authority to establish the conservation targets that meet the requirements of the State's statute. WAC 194-37-070 (1) states, "Ten-year potential. By January 1st of each even-numbered year, each utility shall identify its achievable cost-effective conservation potential for the upcoming ten years"; AND

WHEREAS, WAC 194-37-070 (2) states, "Biennial target. By January 1st of each even-numbered year, each utility shall establish and make public a biennial conservation target. The utility's biennial target shall be no less than its pro rata share of the ten-year potential identified pursuant to subsection (1) of this section"; AND

WHEREAS, The District completed a Conservation Potential Assessment in October 2023 that identifies the District's achievable cost-effective conservation potential and complies with provisions of WAC 194-37-070; AND

WHEREAS, Due notice was given of a public meeting held on November 14, 2023 to make public the District's conservation resource potential and biennial conservation target; AND

WHEREAS, Said public meeting was held to gain public comment concerning the conservation potential and targets which were adopted by commission on November 14, 2023; AND

WHEREAS, The District was notified by EES in March 2024 of a modeling error and completion of an amended Conservation Potential Assessment that identifies the District's

achievable cost-effective conservation potential and complies with provisions of WAC 194-37-070; AND

WHEREAS, Due notice was given of a public meeting held on April 23, 2024 to make public the District's amended conservation resource potential and biennial conservation target; AND

WHEREAS, Said public meeting was held to gain public comment concerning the amended conservation potential and targets; AND

NOW, THEREFORE BE IT RESOLVED by the Commission of Public Utility District No. 1 of Benton County, that the District's 2024-2033 amended ten-year cost-effective conservation resource potential be established at 8.36 aMW and the District's 2024-2025 biennial target be established at 1.11 aMW based upon the District's March 26, 2024 Amended Conservation Potential Assessment and in compliance with requirements of the Energy Independence Act.

APPROVED AND 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 23rd day of April 2024.

Jeff Hall, Vice-President

ATTEST:

Lori Kays-Sanders, Secretary

Conservation Amended 2024-33 Ten-Year Potential and 2024-25 Biennial Target

COMMISSION PRESENTATION
APRIL 23, 2024



Your Trusted Energy Partner



Review Public Comment

▶ Notice of Public Hearing:

- ▶ [Benton PUD Public Hearing April 23, 2024 - Benton PUD](#)

▶ Public comments accepted,

- ▶ By email or mail, per notice of hearing
- ▶ By participation in the public hearing:
 - ▶ Scheduled for 9:00 a.m. on 4/23/24

▶ Review Public Comments



The screenshot shows a web browser window with the URL <https://www.bentonpud.org/Newsroom/Benton-PUD-Public-Hearing-April-23-2024>. The main content area features a large graphic with the text "BENTON P.U.D. Public Hearing" in yellow and white. Below the graphic, it says "Posted in Hearing, Public" and "April 9, 2024". The main heading is "Benton PUD Public Hearing April 23, 2024". The sub-heading is "Reviewing the 2024-2043 Conservation Potential Assessment (CPA) and considering action on the District's amended 2024-2033 Ten-Year Cost-Effective Conservation Potential and 2024-2025 biennial target". The main text is "Notice of Public Hearing - 2024-2043 Conservation Potential Assessment". The body text states: "Benton PUD customers are invited to attend a public hearing and provide public comment for the purpose of reviewing the 2024-2043 Conservation Potential Assessment (CPA) and considering action on the District's amended 2024-2033 Ten-Year Cost-Effective Conservation Potential and 2024-2025 biennial target. The public hearing will be held on Tuesday, April 23, 2024 at 9:00 a.m. at the District's Administration Office located at 2721 West 10th Avenue, Kennewick, Washington, as well as via conference call at 1-323-553-2644, conference ID 730 736 298#. For more information, please visit www.bentonpud.org or call 509-585-5389 (Director of Power Management) or 509-582-1222 (Clerk of the Board)." The footer text is "Amended Conservation Potential Assessment 2024-2043 - Final Report".

Agenda

- ▶ 2024-2025 Amended Cost Effective Potential Targets
- ▶ Results by sector
- ▶ Conclusion



Amended 2023 CPA

- ▶ 2024-25 Target commission adopted November 14, 2023
- ▶ EES Consulting recently found modeling error March 2024
- ▶ Error included four PUDs
- ▶ EES Notified State Auditor
- ▶ Benton PUD audit on hold until adoption of amended target



, Managing Director
@gdsassociates

March 25, 2024

Mr. Travis Beyerl
Office of the Washington State Auditor
P.O. Box 40021
Olympia, WA 98504-0021

RE: Conservation Potential Assessment Audit for the 2024-2043 Reporting Period

Dear Mr. Beyerl:

During our review of the models used to develop the conservation potential for 4 of our public utility clients, EES identified an error in the modeling assumptions. The error resulted in not including the credit to conservation resources according to the Northwest Regional Power Act. All of our past models have included this credit in the TRC test. The exclusion was an oversight by EES and was not something utility staff would have been able to verify/check prior to our recent delivery of the final models. Affected studies include those submitted by: Benton PUD, Grays Harbor PUD, Franklin PUD, and Clallam County PUD.

This letter is to support each of these utilities in their requests for an audit extension. The extension needed will vary by utility as they each will have different timelines for adopting the amended target. We are currently working expeditiously to develop amended models and reporting to support utilities in meeting conservation targets that meet the requirements of the Energy Independence Act.

Thank you for your understanding of our human, but impactful, error. Please feel free to reach out to us if you need additional information.

Sincerely,

A handwritten signature in blue ink that reads 'A. Gschwend'.

Amber Gschwend
Managing Director EES Consulting
425.655.1042
amber.gschwend@gdsassociates.com

Results and Comparison of 2021 CPA to 2023 CPA

5

Original CPA

I	2-Year			10-Year			20-Year		
	2021	2023	% Change	2021	2023	% Change	2021	2023	% Change
Residential	0.3	0.20	-35%	3.01	1.73	-42%	6.3	3.58	-43%
Commercial	0.85	0.41	-51%	6.9	2.07	-70%	14.96	3.95	-74%
Industrial	0.31	0.12	-61%	1.21	0.50	-59%	1.52	0.64	-58%
Distribution Efficiency	0.03	0.00	-91%	0.44	0.12	-74%	1.24	0.33	-73%
Agricultural	0.04	0.04	-12%	0.16	0.32	98%	0.18	0.64	256%
Total	1.52	0.77	-49%	11.72	4.73	-60%	24.2	9.14	-62%

*Note that the 2021 columns refer to the CPA completed in 2021 for the time period of 2022 through 2041. The 2023 assessment is for the timeframe: 2024 through 2043.

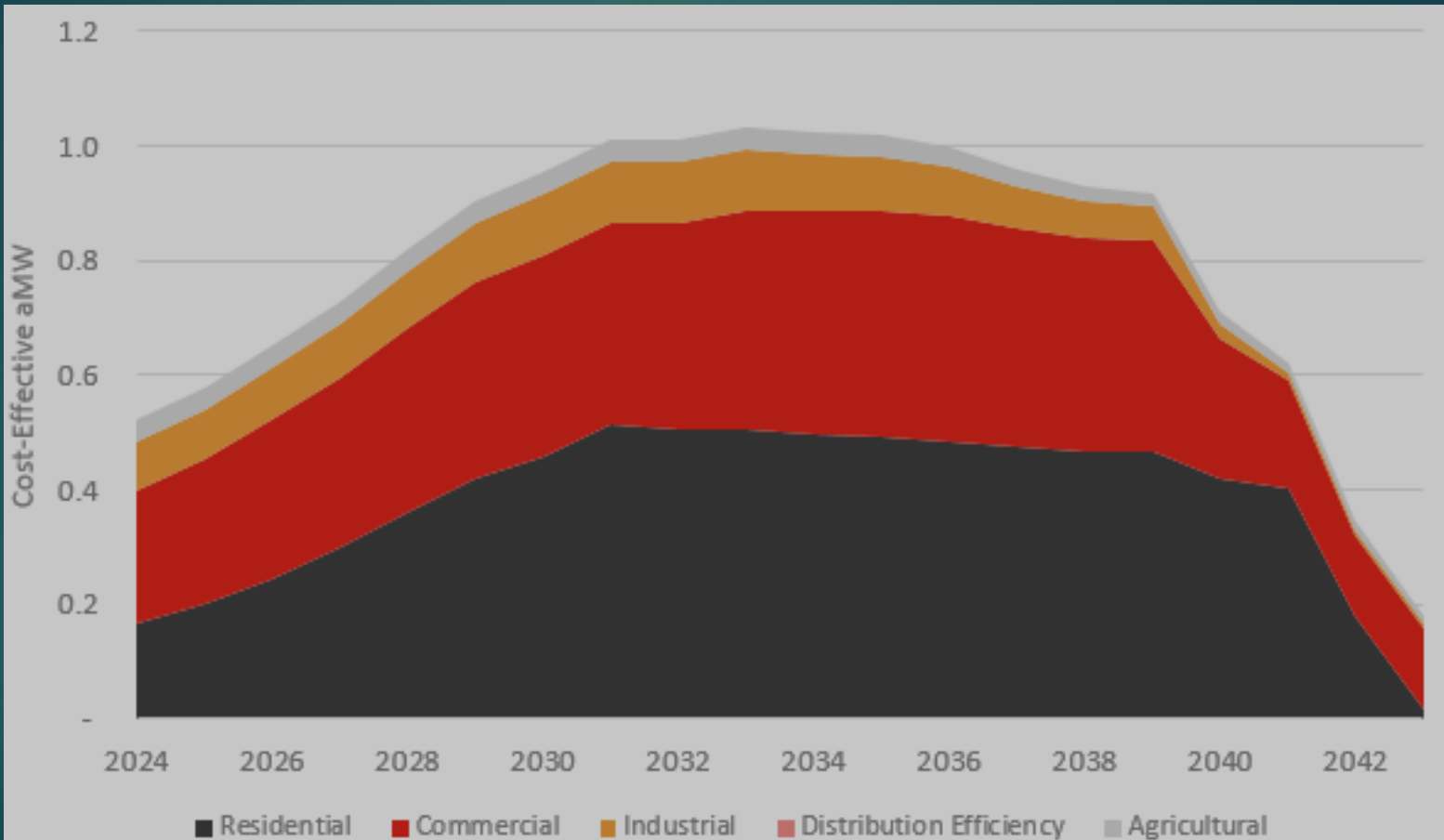
Amended CPA

	2-Year			10-Year			20-Year		
	2021	2023	% Change	2021	2023	% Change	2021	2023	% Change
Residential	0.30	0.37	22%	3.01	3.67	22%	6.3	7.57	20%
Commercial	0.85	0.48	-43%	6.9	3.17	-54%	14.96	6.19	-59%
Industrial	0.31	0.17	-45%	1.21	0.98	-19%	1.52	1.51	-1%
Distribution Efficiency	0.03	0.00	-91%	0.44	0.12	-74%	1.24	0.33	-73%
Agricultural	0.04	0.09	129%	0.16	0.43	168%	0.18	0.69	283%
Total	1.52	1.11	-27%	11.72	8.36	-29%	24.2	16.28	-33%

*Note that the 2021 columns refer to the CPA completed in 2021 for the time period of 2022 through 2041. The 2023 assessment is for the timeframe: 2024 through 2043.

2024-2033 Amended CPA Total Results by Sector

6



2024-2025 Conservation Budget Plan -No Change-

7

EIA 2024-25 Biennial Target 0.77 aMW	2024		2025		Total	
	(\$ Thousands)	aMW	(\$ Thousands)	aMW	(\$ Thousands)	aMW
Standard Residential	\$ 400	0.08	\$ 400	0.08	\$ 800	0.17
Low Income Residential - CETA	\$ 600	0.04	\$ 650	0.04	\$ 1,250	0.08
Total Commercial	\$ 240	0.25	\$ 160	0.17	\$ 400	0.42
Total Industrial	\$ 420	0.34	\$ 280	0.23	\$ 700	0.57
Total Agricultural	\$ 100	0.09	\$ 100	0.09	\$ 200	0.18
Non Federally Funded	\$ -	0.00	\$ -	0.00	\$ -	0.00
Distribution Efficiency	\$ -	0.00	\$ -		\$ -	0.00
NEEA		0.08	\$ -	0.08	\$ -	0.16
Rebate Costs	\$ 1,760		\$ 1,590		\$ 3,350	
Fixed Costs (Labor/Benefits/Expenses)	\$ 487		\$ 487		\$ 975	
Total Program Costs & Savings	\$ 2,247	0.80	\$ 2,077	0.60	\$ 4,325	1.40
Total BPA Reimbursement	\$ (2,040)		\$ (1,802)		\$ (3,841)	
Self Funding Liability	\$ 208		\$ 276		\$ 483	



Conclusion

- ▶ 2024 – 2025 Amended CPA 1.11 aMW
- ▶ 2024 – 2033 CPA 8.36 aMW
- ▶ Two-year target down 27% and ten-year target down 29%
 - ▶ Reduced cost effectiveness - Lower Power Council April 2023 energy market price forecast
 - ▶ Historical program achievements
 - ▶ Updated ramp rates for slower adoption post COVID 19
- ▶ Methodology consistent with Power Council's 2021 Power Plan
- ▶ April 23, 2024 District public hearing to adopt amended ten-year conservation potential and biennial target



Discussion



PREPARED BY EES CONSULTING

Public Utility District No. 1 of Benton County

Amended
***Conservation Potential Assessment 2024-
2043***
Final Report
March 26, 2024



March 26, 2024

Mr. Chris Johnson
Public Utility District No. 1 of Benton County
P.O. Box 6270
2721 W. 10th Avenue
Kennewick, WA 99336

SUBJECT: Amended Conservation Potential Assessment 2024-2043 – Final Report

Dear Mr. Johnson:

Please find attached the Amended Conservation Potential Assessment for 2024-2043.

The amended potential estimated for the 2024-2025 biennium is 1.11 aMW.

Very truly yours,



Amber Gschwend
Managing Director, EES Consulting

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1 Executive Summary

This report describes the methodology and results of the Amended 2023 Conservation Potential Assessment (CPA) for Public Utility District No. 1 of Benton County (the District). This assessment provides estimates of energy savings by sector for the period 2024 to 2043. The assessment considers a wide range of conservation resources that are reliable, available and cost-effective within the 20-year planning period.

1.1 BACKGROUND

The District provides electricity service to over 56,000 customers located in Benton County, Washington, excluding the City of Richland and Benton Rural Electric Association's service territory. The District's territory covers 939 square miles and includes 1,800 miles of transmission and distribution lines. In addition, the District's service territory includes an estimated 109,000 acres of irrigated agriculture.

Washington's Energy Independence Act (EIA), effective January 1, 2010, requires that utilities with more than 25,000 customers (known as qualifying utilities) pursue all cost-effective conservation resources and meet conservation targets set using a utility-specific conservation potential assessment methodology.

The EIA sets forth specific requirements for setting, pursuing and reporting on conservation targets. The methodology used in this assessment complies with RCW 19.285.040 and WAC 194-37-070 Section 5 parts (a) through (d) and is consistent with the methodology used by the Northwest Power and Conservation Council (Council) in developing the Seventh Power Plan. Thus, this Conservation Potential Assessment will support the District's compliance with EIA requirements.

This assessment was built on the technical workbooks developed for the Final 2021 Power Plan. The primary model assumptions included the following changes since the previous study:

- **Avoided Costs**
 - Recent forecast of power market prices prepared by the Council in April 2023
 - Avoided generation capacity value updated with recent wholesale rates
- **Updated Customer Characteristics Data**
 - Residential home counts
 - Commercial floor area based on recent load growth
 - Industrial sector consumption based on recent load growth
- **Measure Updates**
 - Measure savings, costs, and lifetimes were updated based on the latest data available the 2021 Power Plan supply curves
- **Accounting for Recent Achievements**
 - Internal programs
 - NEEA programs

The first step of this assessment was to carefully define and update the planning assumptions using the new data. The Base Case conditions were defined as the most likely market conditions over the planning horizon, and the conservation potential was estimated based on these assumptions. Additional scenarios were also developed to test a range of conditions.

1.2 RESULTS

Table 1-1 shows the high-level results of this assessment, the cost-effective potential by sector in 2, 4, 10, and 20-year increments. The total 20-year energy efficiency potential is 16.28 aMW. The most important numbers per the EIA are the 10-year potential of 8.36 aMW, and the two-year potential of 1.11 aMW. These numbers are also illustrated in Figure 1-1 below.

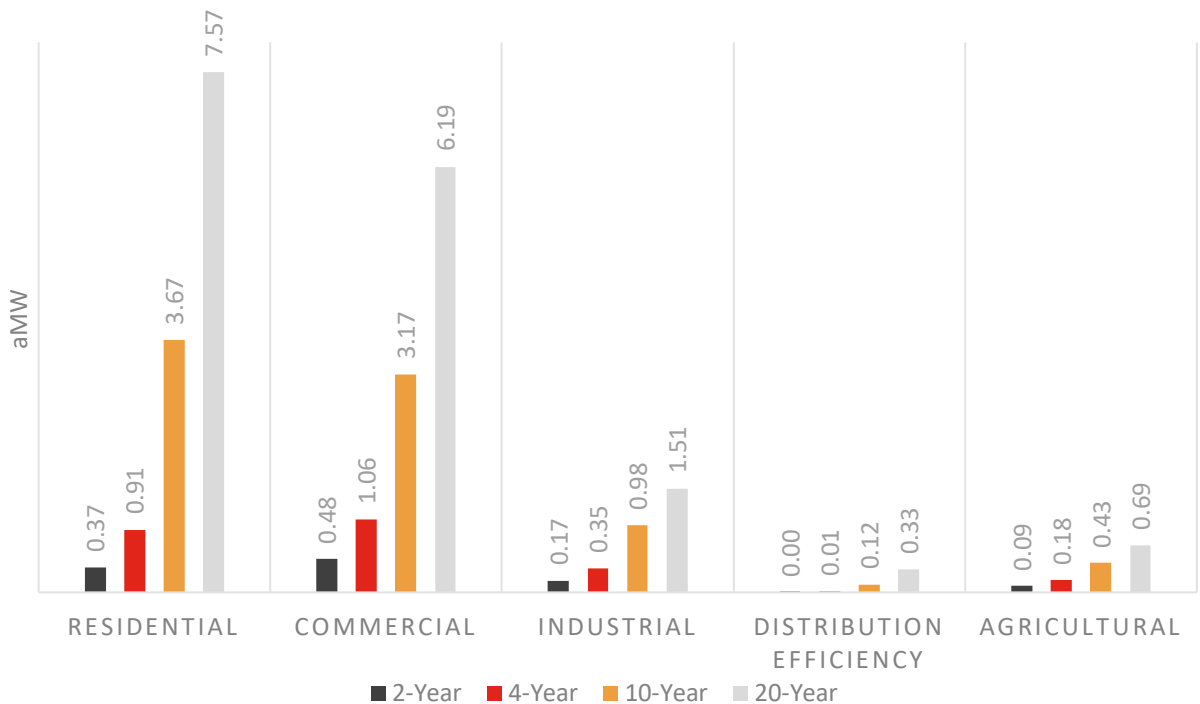
These estimates include energy efficiency achieved through the District’s own utility programs and through its share of the Northwest Energy Efficiency Alliance (NEEA) accomplishments. Some of the potential may be achieved through code and standards changes, especially in the later years. In some cases, the savings from those changes will be quantified by NEEA or through BPA’s Momentum Savings work.

TABLE 1-1: COST-EFFECTIVE POTENTIAL (aMW)

	2-Year	4-Year	10-Year	20-Year
Residential	0.37	0.91	3.67	7.57
Commercial	0.48	1.06	3.17	6.19
Industrial	0.17	0.35	0.98	1.51
Distribution Efficiency	0.00	0.01	0.12	0.33
Agricultural	0.09	0.18	0.43	0.69
Total	1.11	2.51	8.36	16.28

Note: Numbers in this table and others throughout the report may not add to total due to rounding.

FIGURE 1-1: COST-EFFECTIVE ENERGY EFFICIENCY POTENTIAL ESTIMATE



Energy efficiency also has the potential to reduce peak demands. Estimates of peak demand savings are calculated for each measure using the Council’s ProCost tool, which uses hourly load profiles developed for the 2021 Power Plan and the District-specific definition of when peak demand occurs. These unit-level estimates are then aggregated across sectors and years in the same way that energy efficiency measure savings potential is calculated. The reductions in peak demand provided by energy efficiency are summarized in Table 1-2 below.

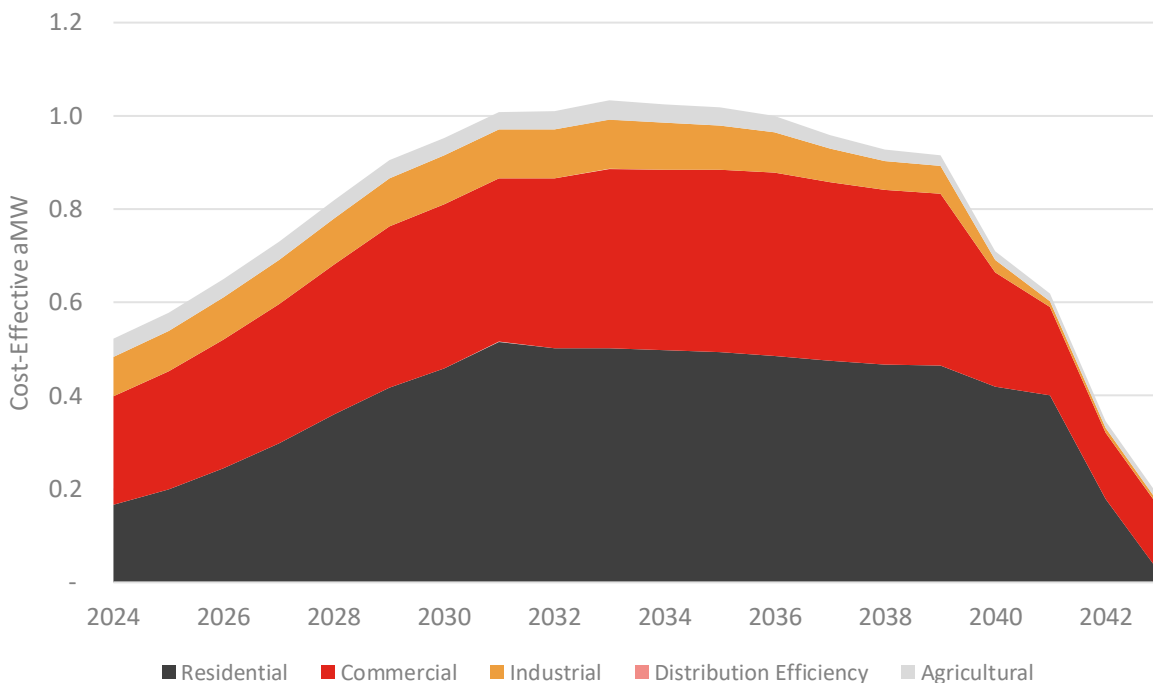
The savings from most energy efficiency measures is concentrated in those periods when energy is being used, and not evenly throughout the day. Thus, the peak demand reduction, measured in MW, is greater than the annual average energy savings. The District’s annual peak occurs most frequently in summer evenings, between 4 and 6 PM. In addition to these peak demand savings, demand savings would occur in varying amounts throughout the year.

TABLE 1-2: COST-EFFECTIVE DEMAND SAVINGS (MW)

	2-Year	4-Year	10-Year	20-Year
Residential	1.07	2.80	12.30	26.64
Commercial	1.26	2.61	7.32	17.48
Industrial	0.21	0.43	1.18	1.81
Distribution Efficiency	0.00	0.00	0.00	0.00
Agricultural	0.00	0.00	0.00	0.00
Total	2.53	5.85	20.80	45.94

The 20-year energy efficiency potential is shown on an annual basis in Figure 1-2. This assessment shows potential starting around 0.5 aMW in 2024 and ramping up to a maximum of 1.03 aMW per year in 2033. Potential then gradually decreases through the remaining years of the planning period as the remaining retrofit measure opportunities diminish over time.

FIGURE 1-2: ANNUAL COST-EFFECTIVE ENERGY EFFICIENCY POTENTIAL ESTIMATE



As Figure 1-2 shows, about a 47% of the potential is in the residential sector. The largest contributing measure categories for residential applications include water heating and HVAC. Measures with notable potential in this end use include:

- Smart Thermostat
- Low Flow Shower Heads Efficiency 1.5 Gallons per Minute (gpm) or Better
- Faucet Aerators
- Water Heater Circulator Controls and Circulators
- Air Source Heat Pump
- Refrigerators and Clothes Dryers

The largest share of conservation is available in the District’s commercial sector. The potential in the commercial sector is higher compared with the potential estimated in the 2021 CPA. The District has also achieved significant savings in lighting measures in recent years, leaving limited remaining savings. Savings in the commercial sector are spread across numerous end uses, but the primary areas for opportunity are in the HVAC end use. Notable measures in this area include:

- Energy Management
- Residential-Sized and Commercial-Sized Heat Pump Water Heaters
- Heat Recovery Ventilation
- Chillers and AC
- Commercial Lighting
- Grocery Refrigeration

This study identified similar levels of industrial potential compared with the 2021 study.

1.3 COMPARISON TO PREVIOUS ASSESSMENT

Table 1-3 shows a comparison of the 2-, 10-, and 20-year Base Case conservation potential by customer sector for this assessment and the results of the District’s 2021 CPA.

TABLE 1-3: COMPARISON OF 2021 CPA AND 2023 CPA COST-EFFECTIVE POTENTIAL

	2-Year			10-Year			20-Year		
	2021	2023	% Change	2021	2023	% Change	2021	2023	% Change
Residential	0.30	0.37	22%	3.01	3.67	22%	6.3	7.57	20%
Commercial	0.85	0.48	-43%	6.9	3.17	-54%	14.96	6.19	-59%
Industrial	0.31	0.17	-45%	1.21	0.98	-19%	1.52	1.51	-1%
Distribution Efficiency	0.03	0.00	-91%	0.44	0.12	-74%	1.24	0.33	-73%
Agricultural	0.04	0.09	129%	0.16	0.43	168%	0.18	0.69	283%
Total	1.52	1.11	-27%	11.72	8.36	-29%	24.2	16.28	-33%

*Note that the 2021 columns refer to the CPA completed in 2021 for the time period of 2022 through 2041. The 2023 assessment is for the timeframe: 2024 through 2043.

The change in conservation potential estimated since the 2021 study is the result of several changes to the input assumptions, including measure data and avoided cost assumptions. Additionally, new measures

were added to the assessment and ramp rates were adjusted to account for program maturity, lingering COVID impacts, and 2021 Power Plan assumptions. These are discussed below, and a detailed analysis is provided in the Results section of this study.

1.3.1 Measure Data

Measure data was updated to include the Final 2021 Power Plan supply curve data.

1.3.2 Avoided Cost

An updated forecast of market prices from the Power Council’s most recent (April 2023) market price forecast was used to value energy savings. This forecast is lower than the forecast used in the 2021 assessment. Forecast energy prices are a significant driver in the available cost-effective conservation. Other avoided cost assumptions remained largely the same.

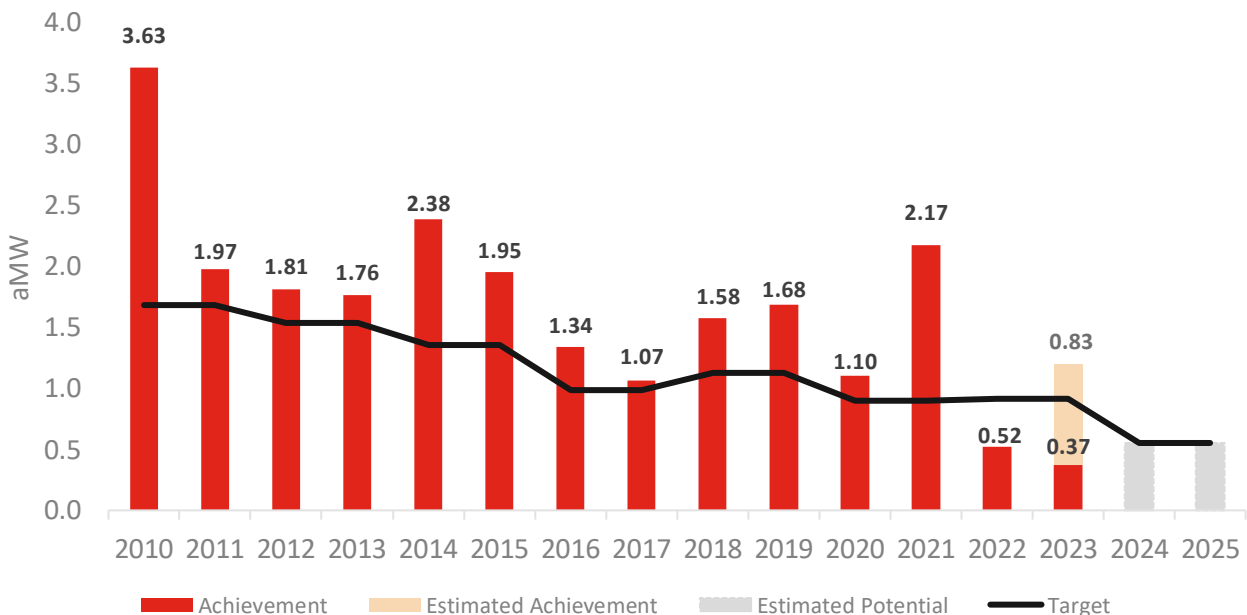
1.3.3 Customer Characteristics

No changes were made from the last CPA. However, growth in usage and number of customers was accounted for in the base year assumptions.

1.4 TARGETS AND ACHIEVEMENT

Figure 1-3 compares the District’s historic achievement with its targets. The estimated potential for 2024 and 2025 is based on the Base Case scenario presented in this report and represents approximately a 27% reduction over the 2022-23 biennium. A decrease was expected based on higher efficiency baselines since the 2021 Power Plan was finalized plus the lower value of energy based on the Council’s 2023 market price forecast. The figure below also shows that the District has consistently exceeded its biennial energy efficiency targets, and that the potential estimates presented in this report are achievable through the District’s various programs and the District’s share of NEEA savings.

FIGURE 1-3: HISTORIC ACHIEVEMENT AND TARGETS



1.5 CONCLUSION

This report summarizes the CPA conducted for the District for the 2024 to 2043 timeframe. Many components of the CPA are updated from previous CPA models including items such as energy market price forecast, code and standard changes, recent conservation achievements, revised savings values and ramp rates for RTF and Council measures, and multiple scenario analyses.

The near-term results of this assessment are lower than the previous assessment, primarily due to the large amount of efficiency already achieved both regionally and by the District and the updated efficient baselines resulting from building codes and the 2021 Power Plan baselines. The results show a total 10-year cost effective potential of 8.36 aMW and a two-year potential of 1.11 aMW for the 2024-25 biennium, which is a 27% decrease from the target for the previous biennium. This decrease is due primarily to reduced cost-effectiveness for some measures, program achievements, and updated program ramp rates that account slower adoption post COVID-19.

2 Introduction

2.1 OBJECTIVES

The objective of this report is to describe the results of the Benton Public Utility District (the District) 2023 Electric Conservation Potential Assessment (CPA). This assessment provides estimates of energy savings by sector for the period 2023 to 2044, with the primary focus on the initial 10 years. This analysis has been conducted in a manner consistent with requirements set forth in RCW 19.285 (EIA) and 194-37 WAC (EIA implementation) and Washington Clean Energy Transformation Act (CETA) and is part of the District's compliance documentation. The results and guidance presented in this report will also assist the District in strategic planning for its conservation programs. Finally, the resulting conservation supply curves can be used in the District's Integrated Resource Plan (IRP).

The conservation measures used in this analysis are based on the measures that were included in the Council's 2021 Power Plan. The assessment considered a wide range of conservation resources that are reliable, available, and cost effective within the 20-year planning period.

2.2 ELECTRIC UTILITY RESOURCE PLAN REQUIREMENTS

According to Chapter RCW 19.280, utilities with at least 25,000 retail customers are required to develop IRPs by September 2008 and biennially thereafter. The legislation mandates that these resource plans include assessments of commercially available conservation and efficiency measures. This CPA is designed to assist in meeting these requirements for conservation analyses. The results of this CPA may be used in the next IRP due to the state by September 2022. More background information is provided below.

2.3 ENERGY INDEPENDENCE ACT

Chapter RCW 19.285, the Energy Independence Act, requires that, "each qualifying utility pursue all available conservation that is cost-effective, reliable and feasible." The timeline for requirements of the Energy Independence Act is detailed below:

- By January 1, 2010 – Identify achievable cost-effective conservation potential through 2019 using methodologies consistent with the Pacific Northwest Power and Conservation Council's (Council) latest power planning document.
- Beginning January 2010, each utility shall establish a biennial acquisition target for cost-effective conservation that is no lower than the utility's pro rata share for the two-year period of the cost-effective conservation potential for the subsequent ten years.
- On or before June 1, 2012, each utility shall submit an annual conservation report to the department (the Department of Commerce or its successor). The report shall document the utility's progress in meeting the targets established in RCW 19.285.040.
- Beginning on January 1, 2014, cost-effective conservation achieved by a qualifying utility in excess of its biennial acquisition target may be used to help meet the immediately subsequent two biennial acquisition targets, such that no more than twenty percent of any biennial target may be met with excess conservation savings.

- Beginning January 1, 2014, a qualifying utility may use conservation savings in excess of its biennial target from a single large facility to meet up to an additional five percent of the immediately subsequent two biennial acquisition targets.¹

This report summarizes the preliminary results of a comprehensive CPA conducted following the requirements of the EIA and additions made by the passage of CETA. A checklist of how this analysis meets EIA requirements is included in Appendix III.

2.4 OTHER LEGISLATIVE CONSIDERATIONS

Washington state enacted several laws that impact conservation planning. Washington HB 1444 enacts efficiency standards for a variety of appliances. Washington also enacted a clean energy law, SB 5116. CETA (2019) requires the use of specific values for avoided greenhouse gas emissions. This study follows the CETA requirements to value energy efficiency savings at the prescribed value established by the Department of Ecology. Finally, CETA requires that all sales of electricity be greenhouse gas neutral by 2030 and greenhouse gas free by 2045. This provision has been incorporated into the assumptions of this CPA. Specifically, this impacts the avoided cost of conservation, as described in Appendix IV.

2.5 STUDY UNCERTAINTIES

The savings estimates presented in this study are subject to the uncertainties associated with the input data. This study utilized the best available data at the time of its development; however, the results of future studies will change as the planning environment evolves. Specific areas of uncertainty include the following:

- Customer characteristic data – Residential and commercial building data and appliance saturations are in many cases based on regional studies and surveys. There are uncertainties related to the extent that the District’s service area is similar to that of the region, or that the regional survey data represents the population.
- Measure data – In particular, savings and cost estimates (when comparing to current market conditions), as prepared by the Council and RTF, will vary across the region. In some cases, measure applicability or other attributes have been estimated by the Council or the RTF based on professional judgment or limited market research.
- Market Price Forecasts – Market prices (and forecasts) are continually changing. The market price forecasts for electricity and natural gas utilized in this analysis represent a snapshot in time. Given a different snapshot in time, the results of the analysis would vary. However, different avoided cost scenarios are included in the analysis to consider the sensitivity of the results to fluctuating market prices over the study period. In this study, the Council’s Baseline forecast (April 2023) was used to model the Base scenario while the Westside High Demand forecast (Council, April 2023) was used to model a high scenario).

¹ The EIA requires that the savings must be cost effective and achieved within a single biennial period at a facility whose average annual load before conservation exceeded 5 aMW. In addition, the law requires that no more than 25% of a biennial target may be met with excess conservation savings, inclusive of provisions listed in this section.

- Utility System Assumptions – Credits have been included in this analysis to account for the avoided costs of transmission and distribution system expansion. Though potential transmission and distribution system cost savings are dependent on local conditions, the Council considers these credits to be representative estimates of these avoided costs. A value for generation capacity was also included but may change as the Northwest market continues to evolve.
- Discount Rate – The Council develops a real discount rate as well as a finance rate for each power plan. The finance rate is based on the relative share of the cost of conservation and the cost of capital for the various program sponsors. The Council has estimated these figures using the most current available information. This study reflects the current borrowing market although changes in borrowing rates will likely vary over the study period.
- Forecasted Load and Customer Growth – The CPA bases the 20-year potential estimates on forecasted loads and customer growth provided by the utility. These forecasts includes a level of uncertainty especially considering the recovery from COVID related load impacts.
- Load Shape Data – The Council provides conservation load shapes for evaluating the timing of energy savings. In practice, load shapes will vary by utility based on weather, customer types, and other factors. This assessment uses the hourly load shapes used in the Seventh Plan to estimate peak demand savings over the planning period, based on shaped energy savings. Since the load shapes are a mix of older Northwest and California data, peak demand savings presented in this report may vary from actual peak demand savings.
- Frozen Efficiency – Consistent with the Council’s methodology, the measure baseline efficiency levels and end-using devices do not change over the planning period. In addition, it is assumed that once an energy efficiency measure is installed, it will remain in place over the remainder of the study period.

Due to these uncertainties and the changing environment, under the EIA, qualifying utilities must update their CPAs every two years to reflect the best available information.

2.6 COVID IMPACTS

Impacts from COVID-19 have been incorporated into this study in various ways such as:

- Load levels have largely recovered since the 2020 pandemic. The baseline load and customer counts reflect current and future usage levels.
- Ramp rates, in some cases, were adjusted due to the slowdown of program uptake since the pandemic began. At first, projects were stopped due to concerns over spreading the virus. In addition to the lower participation rates, supply chain issues have delayed many projects. Largely, the 2021 Power Plan draft ramp rates were applied for each measure; however, some measure ramp rates were slowed to reflect recent achievements despite the District’s efforts to promote programs.

The above considerations have been modeled in this study.

2.7 REPORT ORGANIZATION

The main report is organized with the following main sections:

- Methodology – CPA methodology along with some of the overarching assumptions
- Recent Conservation Achievement – the District’s recent achievements and current energy efficiency programs
- Customer Characteristics – Housing and commercial building data for updating the baseline conditions

- Results – Energy Savings and Costs – Primary base case results
- Scenario Results – Results of all scenarios
- Summary
- References & Appendices

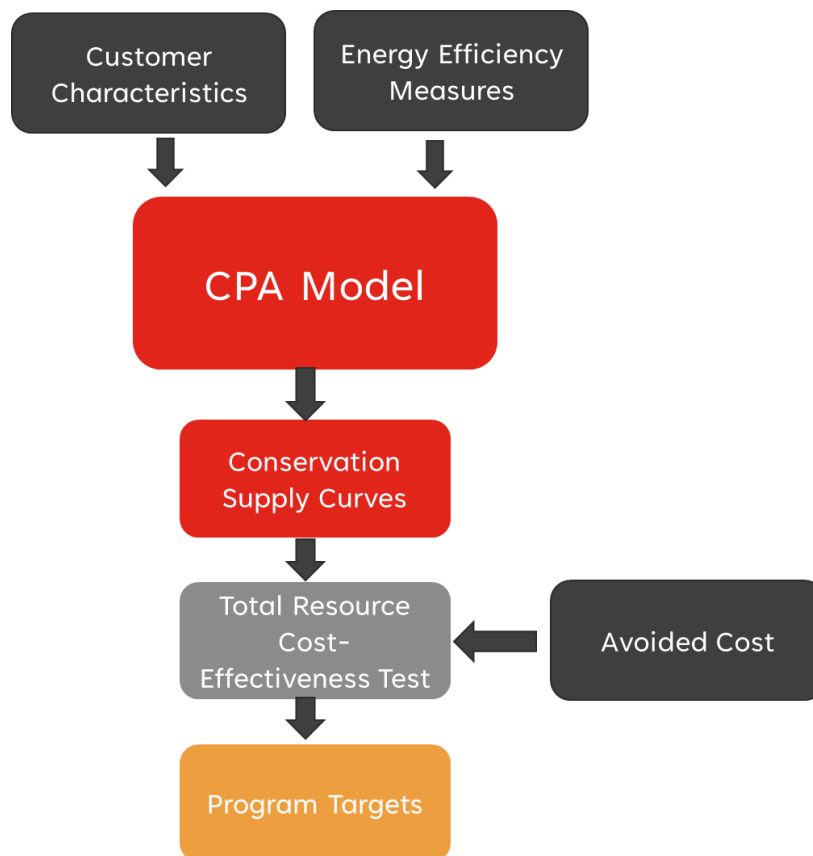
3 CPA Methodology

This study is a comprehensive assessment of the energy efficiency potential in the District’s service area. The methodology complies with RCW 19.285.040 and WAC 194-37-070 Section 5 parts (a) through (d) and is consistent with the methodology used by the Northwest Power and Conservation Council (Council) in developing the Seventh Power Plan. This section provides a broad overview of the methodology used to develop the District’s conservation potential target. Specific assumptions and methodology as they pertain to compliance with the EIA and CETA are provided in the Appendix III of this report.

3.1 BASIC MODELING METHODOLOGY

The basic methodology used for this assessment is illustrated in Figure 3-1. A key factor is the kilowatt hours saved annually from the installation of an individual energy efficiency measure. The savings from each measure is multiplied by the total number of measures that could be installed over the life of the program. Savings from each individual measure are then aggregated to produce the total potential.

FIGURE 3-1: CONSERVATION POTENTIAL ASSESSMENT PROCESS



3.2 CUSTOMER CHARACTERISTIC DATA

Assessment of customer characteristics includes estimating both the number of locations where a measure could be feasibly installed as well as the share—or saturation—of measures that have already been installed. For this analysis, the characterization of the District’s baseline was determined using data

provided by the District, NEEA's commercial and residential building stock assessments, and census data. Details of data sources and assumptions are described for each sector later in the report.

This assessment primarily sourced baseline measure saturation data from the Council's Seventh Plan measure workbooks. The Council's data was developed from NEEA's Building Stock Assessments, studies, market research and other sources. This data was updated with NEEA's 2016 Residential Building Stock Assessment and the District's historic conservation achievement data, where applicable. The District's historic achievement is discussed in detail in the next section.

3.3 ENERGY EFFICIENCY MEASURE DATA

The characterization of efficiency measures includes measure savings, costs, and lifetime. Other features, such as measure load shape, operation and maintenance costs, and non-energy benefits are also important for measure definition. The Council's 2021 Power Plan is the primary source for conservation measure data.

The measure data include adjustments from raw savings data for several factors. The effects of space-heating interaction, for example, are included for all lighting and appliance measures, where appropriate. For example, if an electrically-heated house is retrofitted with efficient lighting, the heat that was originally provided by the inefficient lighting will have to be made up by the electric heating system. These interaction factors are included in measure savings data to produce net energy savings. Other financial-related data needed for defining measure costs and benefits include: discount rate, line losses, and deferred capacity-expansion benefits.

A list of measures by end-use is included in Appendix VI.

3.4 TYPES OF POTENTIAL

Once the customer characteristics and energy efficiency measures are fully described, energy efficiency potential can be quantified. Three types of potential are used in this study: technical, achievable, and economic or cost-effective potential. Technical potential is the theoretical maximum efficiency available in the service territory if cost and market barriers are not considered. Market barriers and other consumer acceptance constraints reduce the total potential savings of an energy efficient measure. When these factors are applied, the remaining potential is called the achievable potential. Economic potential is a subset of the achievable potential that has been screened for cost effectiveness through a benefit-cost test. Figure 3-2 illustrates the four types of potential followed by more detailed explanations.

FIGURE 3-2: TYPES OF ENERGY EFFICIENCY POTENTIAL²



Technical – Technical potential is the amount of energy efficiency potential that is available, regardless of cost or other technological or market constraints, such as customer willingness to adopt a given measure. It represents the theoretical maximum amount of energy efficiency that is possible in a utility’s service territory absent these constraints.

Estimating the technical potential begins with determining a value for the energy efficiency measure savings. Additionally, the number of applicable units must be estimated. Applicable units are the units across a service territory where the measure could feasibly be installed. This includes accounting for units that may have already been installed. The value is highly dependent on the measure and the housing stock. For example, a heat pump measure may only be applicable to single family homes with electric space heating equipment. A saturation factor accounts for measures that have already been completed.

In addition, technical potential considers the interaction and stacking effects of measures. For example, interaction occurs when a home installs energy efficient lighting and the demands on the heating system rise due to a reduction in heat emitted by the lights. If a home installs both insulation and a high-efficiency heat pump, the total savings of these stacked measures is less than if each measure were installed individually because the demands on the heating system are lower in a well-insulated home. Interaction is addressed by accounting for impacts on other energy uses. Stacked measures within the same end use are often addressed by considering the savings of each measure as if it were installed after other measures that impact the same end use.

The total technical potential is often significantly more than the amount of achievable and economic potential. The difference between technical potential and achievable potential is a result of the number

² Reproduced from U.S. Environmental Protection Agency. *Guide to Resource Planning with Energy Efficiency*. Figure 2-1, November 2007.

of measures assumed to be affected by market barriers. Economic potential is further limited due to the number of measures in the achievable potential that are not cost-effective.

Achievable Technical – Achievable technical potential, also referred to as achievable potential, is the amount of potential that can be achieved with a given set of market conditions. It takes into account many of the realistic barriers to adopting energy efficiency measures. These barriers include market availability of technology, consumer acceptance, non-measure costs, and the practical limitations of ramping up a program over time. The level of achievable potential can increase or decrease depending on the given incentive level of the measure. In the Seventh Power Plan, the Council assumes that 85% of technical potential can be achieved over the 20-year study period. This is a consequence of a pilot program offered in Hood River, Oregon where home weatherization measures were offered at no cost. The pilot was able to reach over 90% of homes. These assumptions will be updated in the next study based on a measure-by-measure analysis of maximum achievability rates as finalized in the forthcoming 2021 Power Plan. The Council also uses a variety of ramp rates to estimate the rate of achievement over time. This CPA follows the Council’s methodology, including both the achievability and ramp rate assumptions.

Economic – Economic potential is the amount of potential that passes an economic benefit-cost test. In Washington State, EIA requirements stipulate that the total resource cost test (TRC) be used to determine economic potential. The TRC evaluates all costs and benefits of the measure regardless of who pays a cost or receives the benefit. Costs and benefits include the following: capital cost, O&M cost over the life of the measure, disposal costs, program administration costs, environmental benefits, distribution and transmission benefits, energy savings benefits, economic effects, and non-energy savings benefits. Non-energy costs and benefits can be difficult to enumerate, yet non-energy costs are quantified where feasible and realistic. Examples of non-quantifiable benefits might include: added comfort and reduced road noise from better insulation or increased real estate value from new windows. A quantifiable non-energy benefit might include reduced detergent costs or reduced water and sewer charges from energy efficient clothes washers.

For this potential assessment, the Council’s ProCost model was used to determine cost effectiveness for each energy efficiency measure. The ProCost model values measure energy savings by time of day using conservation load shapes (by end-use) and segmented energy prices. The version of ProCost used in the 2023 CPA evaluates measure savings on an hourly basis, but ultimately values the energy savings during two segments covering high and low load hour time periods.

3.5 AVOIDED COST

Each component of the avoided cost of energy efficiency measure savings is described below. Additional information regarding the avoided cost forecast is included in Appendix IV.

3.5.1 Energy

The avoided cost of energy is the cost that is avoided through the acquisition of energy efficiency in lieu of other resources. Avoided costs are used to value energy savings benefits when conducting cost effectiveness tests and are included in the numerator in a benefit-cost test. The avoided costs typically include energy-based values (\$/MWh) and values associated with the demand savings (\$/kW) provided by energy efficiency. These energy benefits are often based on the cost of a generating resource, a forecast of market prices, or the avoided resource identified in the IRP process. This study relied on the

Council’s April 2023 market price forecast for Mid-Columbia. The Baseline forecast is used to define the Base scenario.

3.5.2 Social Cost of Carbon

The social cost of carbon is a cost that society incurs when fossil fuels are burned to generate electricity. Both the EIA rules and CETA requires that CPAs include the social cost of carbon when evaluating cost effectiveness using the total resource cost test (TRC). CETA further specifies the social cost of carbon values to be used in conservation and demand response studies.

TABLE 3-1: SOCIAL COST OF CARBON VALUES³

Year in Which Emissions Occur or Are Avoided	Social Cost of Carbon Dioxide \$2018/metric ton	Social Cost of Carbon Dioxide \$2023/short ton ¹
2020	\$74	\$80
2025	\$81	\$88
2030	\$87	\$94
2035	\$93	\$101
2040	\$100	\$108

1. ProCost model inputs for \$/CO2 are in short tons. In the modeling, 2023 dollars are converted to \$2016 to be consistent with the 2021 Power Plan measure data.

According to WAC 194-40-110, values may be adjusted for any taxes, fees or costs incurred by utilities to meet portfolio mandates.⁴ For example, the social cost of carbon is the full value of carbon emissions which includes the cost to utilities and ratepayers associated with moving to non-emitting resources. Rather than adjust the social cost of carbon for the cost of RECs or renewable energy, the values for RECS and renewable energy are excluded from the analysis to avoid double counting.

The emissions intensity of the marginal resource (market) is used to determine the \$/MWh value for the social cost of carbon. Ecology states that unspecified resources should be given a carbon intensity value of 0.437 metric tons of CO₂e/MWh of electricity (0.874 lbs/kWh).⁵ This is an average annual value applied to in all months in the conservation potential model.⁶ The resulting levelized cost of carbon is \$34/MWh over the 20-year study.

³ WAC 194-40-100. Available at :<https://apps.leg.wa.gov/wAc/default.aspx?cite=194-40-100&pdf=true>.

⁴ WAC 194-40-110 (b).

⁵ WAC 173-444-040 (4).

⁶ For reference, the Seventh Power Plan evaluated 0.95 lbs/kWh and 0 lbs/kWh. Typically, the emissions intensity would be higher in months outside of spring run-off (June-July). The seasonal nature of carbon intensity is not modeled due to the prescriptive annual value established by Ecology in WAC 173-444-040.

3.5.3 Renewable Portfolio Standard Cost

Renewable energy purchases need to meet both RPS and CETA and can be avoided through conservation. Utilities may meet Washington RPS through either bundled energy purchases such as purchasing the output of a wind resource where the non-energy attributes remain with the output, or they may purchase unbundled RECs. As stated above, the value of avoided renewable energy credit purchases resulting from energy efficiency is accounted for within the social cost of carbon construct. The social cost of carbon already considers the cost of moving from an emitting resource to a non-emitting resource. Therefore, it is not necessary to include an additional value for renewable energy purchases prior to 2045 when all energy must be non-emitting or renewable.

Beginning in 2045, the social cost of carbon may no longer be an appropriate adder in resource planning. However, prior to 2045 utilities may still use offsets to meet CETA requirements. Since the study period of this evaluation ends prior to 2045, the avoided social cost of carbon is included in each year. For future studies that extend to 2045 and beyond, it would be appropriate to include renewable energy or non-emitting resource costs as the avoided cost of energy rather than market plus the social cost of carbon.

3.5.4 Transmission and Distribution System

The EIA requires that deferred capacity expansion benefits for transmission and distribution systems be included in the assessment of cost effectiveness. To account for the value of deferred transmission and distribution system expansion, a distribution system credit value of \$8.53/kW-year and a transmission system credit of \$3.83/kw-year were applied to peak savings from conservation measures, at the time of the regional transmission and the District's local distribution system peaks (adjusted to \$2023). These values were developed by Council staff in preparation for the 2021 Power Plan.⁷

3.5.5 Generation Capacity

Beginning in October 2023, the District will be a load following customer of BPA. As a load following customer, the District's avoided cost of capacity is built into BPA's preference rates. BPA demand rates are escalated 3% each rate period (every two years). Over the 20-year analysis period, the resulting cost of avoided capacity is \$104/kW-year (2023\$) in levelized terms.

In the Council's 2021 Power Plan,⁸ a generation capacity value of \$143/kW-year was explicitly calculated (\$2023). This value is used in the high scenario.

⁷ Northwest Power and Conservation Council Memorandum to the Power Committee Members. Subject; Updated Transmission & Distribution Deferral Value for the 2021 Power Plan. March 5, 2019. Available at: https://www.nwcouncil.org/sites/default/files/2019_0312_p3.pdf.

⁸ <https://www.nwcouncil.org/energy/powerplan/7/home/>.

3.5.6 Risk

With the generation capacity value explicitly defined, the Council's analysis found that a risk credit did not need to be defined as part of its cost-effectiveness test. In this CPA, risk was modeled by varying the base case input assumptions. In doing so, this CPA addresses the uncertainty of the inputs and looks at the sensitivity of the results. The avoided cost components that were varied included the energy prices and generation capacity value. Through the variance of these components, implied risk credits of up to \$11/MWh and \$39/kW-year were included in the avoided cost. Note that the capacity value of energy efficiency measures is associated with more uncertainty compared with the energy value. Because of the upcoming implementation of the energy imbalance market (EIM) in the Pacific Northwest, and increased renewables in the region, capacity values are expected to be more volatile compared with energy market prices.

Additional information regarding the avoided cost forecast and risk mitigation credit values is included in Appendix IV.

3.5.7 Power Planning Act Credit

Finally, a 10% benefit was added to the avoided cost as required by the Pacific Northwest Electric Power Planning and Conservation Act.

3.6 DISCOUNT AND FINANCE RATE

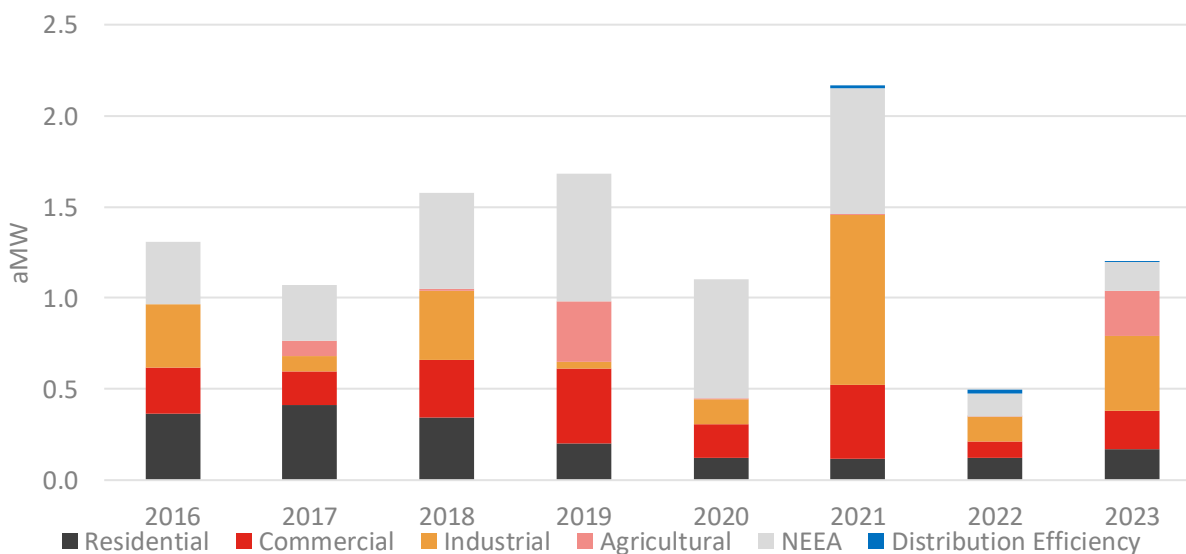
The Council develops a real discount rate for each of its Power Plans. In preparation for the 2021 Power Plan, the Council proposed using a discount rate of 3.75%. This discount rate was used in this CPA. The discount rate is used to convert future costs and benefits into present values. The present values are then used to compare net benefits across measures that realize costs and benefits at different times and over different useful lives.

4 Recent Conservation Achievement

The District has pursued conservation and energy efficiency resources for many years. Currently, the utility offers a variety of programs for residential, commercial, industrial and agricultural customers. These include residential weatherization, Energy Star® appliance rebates, new construction programs for commercial customers, and energy-efficiency audits. In addition to utility programs, the District receives credit for market-transformation activities that are accomplished by the Northwest Energy Efficiency Alliance (NEEA) in its service territory.

Figure 4-1 shows the distribution of conservation among the District’s customer sectors and through Northwest Energy Efficiency Alliance (NEEA) efforts over the past five years. NEEA’s work helps bring energy efficient emerging technologies, like ductless heat pumps and heat pump water heaters to the Northwest markets. Note that savings achievement for 2020 were lower than historic achievements primarily due to the COVID-19 pandemic. Economic factors and risk for COVID-19 transmission both likely contributed to fewer measures being implemented in the District’s service area. More detail for these savings is provided below for each sector.

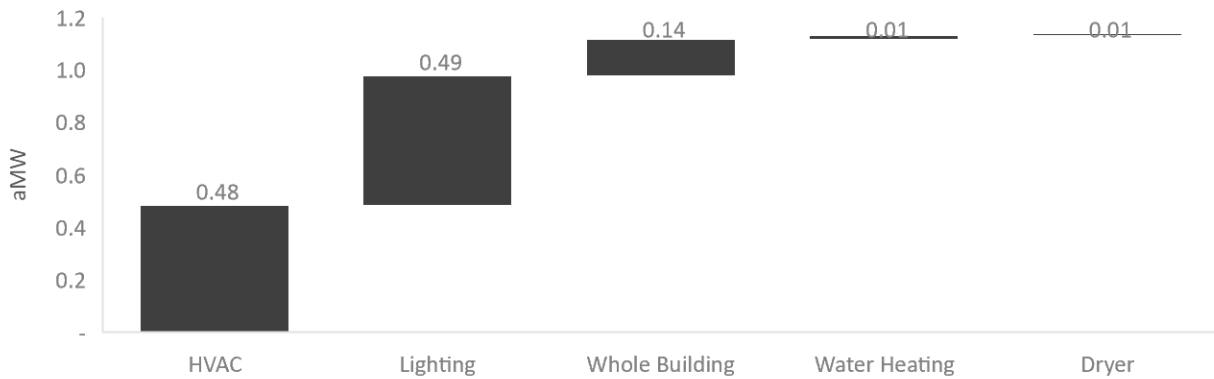
FIGURE 4-1: RECENT CONSERVATION HISTORY BY SECTOR



4.1 RESIDENTIAL

Figure 4-2 shows historic conservation achievement by end use in the residential sector. Savings from HVAC and lighting measures account for most of the savings. Note that in the figure below, HVAC includes weatherization measures.

FIGURE 4-2: 2017-2021 RESIDENTIAL SAVINGS ACHIEVEMENT



4.2 COMMERCIAL & INDUSTRIAL

Historic achievement in the commercial and industrial sectors is primarily due to lighting, Strategic Energy Management, and custom HVAC projects. Figures 4-3 and 4-4 show the breakdown of commercial and industrial savings, respectively, from 2017 to 2021.

FIGURE 4-3: 2017-2021 COMMERCIAL SAVINGS

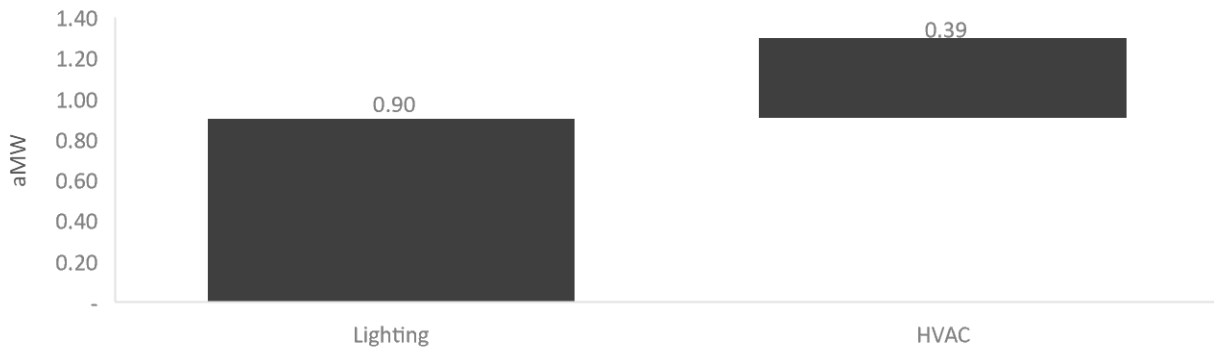


FIGURE 4-4: 2017-2021 INDUSTRIAL SAVINGS



4.3 AGRICULTURE

Savings in the agriculture sector have largely been due to scientific irrigation scheduling (SIS), irrigation hardware updates, and efficient pumps and motors. The District has helped farmers implement SIS on more than 55,000 acres annually. The RTF determined market transformation had occurred and therefore SIS is no longer available. The District continues to work with farmers to upgrade irrigation hardware.

4.4 CURRENT CONSERVATION PROGRAMS

The District offers a wide range of conservation programs to its customers. These programs include many types of deemed conservation rebates, energy audits, net metering, and custom projects. The current programs offered by the District are detailed below and the District's board resolution detailing the utility's conservation rebate policy is included as Appendix VII.

4.4.1 Residential

- *Energy Star Rebates* – the District offers several rebates for Energy Star appliances. These include \$30 for Energy Star clothes washers and \$50 for clothes dryers.
- *Heat Pump Water Heater* – Rebates are available for heat pump water heaters based on capacity. Rebates include \$700 for 40 gallon tanks and \$900 for Tier 3 and Tier 4 50 gallon and above tanks. Split-System Heat Pump Water Heater rebate is \$1,100.
- *Weatherization* – This program provides insulation rebates from \$0.06 to \$2.00 per square foot, depending on location and home type. The District offers window replacement rebates of \$6 to \$12 per square foot. Finally, qualified energy efficient doors are eligible for a \$40 rebate.
- *HVAC Rebates* – This program provides rebates for a variety of space conditioning upgrades including: a heat-pump and ductless heat-pump rebates (\$200 to \$1,200), and up to \$100 for qualifying smart thermostats.
- *Energy Star Homes and Manufactured Homes Program* – The District provides rebates between \$1,200 - \$1,400 to Northwest Energy Efficient Manufactured (NEEM) certified homes as well as incentives for site-built single family homes. Pre 1976 manufactured home replacement rebates from \$2,200 - \$2,500
- *Low Income Rebates* – Although not economically cost effective, Low Income rebates are offered at significantly higher values such as up to \$9,000 for HVAC and \$45 per square foot for windows. These programs help those in need and are self-funded by the District which is paid for by all customers paying higher retail electric rates.

4.4.2 Commercial

- *Lighting Energy Efficiency Program (LEEP)* – Owners of commercial buildings can apply for a lighting energy audit. Applicable rebate amounts are determined upon completion of the audit.
- *Custom Projects Rebates* – The District offers rebates for special projects that improve efficiency or process related systems including, but not limited to, compressed air, variable frequency drives, industrial lighting interactive with HVAC systems, and refrigeration. Rebates for this program vary.
- *Deemed Rebates*- Supply fan VFDs, smart thermostats, and efficient rooftop units.

4.4.3 Agriculture

- *Agricultural Rebate Program* – This program offers incentives for irrigation sprinklers, nozzles, and regulators as well as replacement of 25 to 500 horsepower pump motors, and variable frequency

drives installed in onion and potato sheds. Rebate amounts vary, and an application form must be completed to qualify.

4.5 SUMMARY

The District plans to continue to invest in energy efficiency by offering incentives to all sectors. The results of this CPA will help the District program managers to structure energy efficiency program offerings, establish appropriate incentive levels, comply with the EIA and CETA requirements, and maintain the District's status as their customer's Trusted Energy Partner.

5 Customer Characteristics Data

The District serves over 56,610 electric customers in Benton County, Washington, with a service area population of approximately 118,000. A key component of an energy efficiency assessment is to understand the characteristics of these customers—primarily the building and end-use characteristics. These characteristics for each customer class are described below.

5.1 RESIDENTIAL

For the residential sector, the key characteristics include house type, space heating fuel, and water heating fuel. Tables 5-1, 5-2 and 5-3 show relevant residential data for single family, multi-family and manufactured homes in the District’s service territory as analyzed in the 2019 CPA. The data is based on billing data provided by the District, which was used to estimate the share of homes with electric heating systems, as well as the 2016 Residential Building Stock Assessment (RBSA), developed by NEEA.

TABLE 5-1: RESIDENTIAL BUILDING CHARACTERISTICS

Heating Zone	Cooling Zone	Solar Zone	Residential Households	Total Population
1	3	3	46,963	121,757

TABLE 5-2: HOME HEATING & COOLING SYSTEM SATURATIONS

	Single Family	Multifamily - Low Rise	Manufactured
Existing Stock, Homes	71%	16%	13%
Electric Forced Air Furnace	8%	16%	56%
Heat Pump	61%	0%	19%
Ductless Heat Pump	3%	0%	0%
Electric Zonal/Baseboard	8%	67%	0%
Central Air Conditioning	20%	12%	44%
Room Air Conditioning	12%	63%	13%

TABLE 5-3: APPLIANCE SATURATIONS

	Single Family	Multifamily - Low Rise	Manufactured
Electric Water Heat	79%	77%	94%
Refrigerator	136%	105%	119%
Freezer	45%	16%	50%
Clothes Washer	96%	53%	100%
Clothes Dryer	91%	49%	100%
Dishwasher	87%	67%	88%
Electric Oven	96%	100%	100%
Desktop	49%	40%	56%
Laptop	53%	35%	38%
Monitor	51%	44%	56%

TABLE 5-4: HOME HEATING & COOLING SYSTEMS, NUMBER OF HOMES

	Single Family	Multifamily - Low Rise	Manufactured
Electric Forced Air Furnace	2,584	1,164	3,312
Heat Pump	19,704	0	1,123
Ductless Heat Pump	969	0	0
Electric Zonal/Baseboard	2,584	4,877	0
Central Air Conditioning	6,461	873	2,602
Room Air Conditioning	3,876	4,586	769

TABLE 5-5: NUMBER OF APPLIANCES

	Single Family	Multifamily - Low Rise	Manufactured
Electric Water Heat	25,519	5,605	5,560
Refrigerator	43,931	7,644	7,038
Freezer	14,535	1,164	2,957
Clothes Washer	31,010	3,859	5,914
Clothes Dryer	29,394	3,566	5,914
Dishwasher	28,102	4,877	5,205
Electric Oven	31,010	7,279	5,914
Desktop	15,828	2,912	3,312
Laptop	17,120	2,548	2,248
Monitor	16,474	3,203	3,312

5.2 COMMERCIAL

Building floor area is the key parameter in determining conservation potential for the commercial sector, as many of the measures are based on savings as a function of building area. The commercial building floor area used in the 2023 CPA started with the 2020 commercial load. This load was distributed among the different commercial business types based on the assumed distribution of load used in previous CPAs. The loads were then converted to floor areas using regional energy use intensity values from NEEA’s Commercial Building Stock Assessment (CBSA).⁹

Table 5-6 shows estimated 2024 commercial square footage in each of the 18 building categories. The District provided a load forecast by rate class that was used to develop a sector-wide growth rate of 1.1% and a long-term growth rate of 0%. A regional demolition rate based on the Council’s 2021 Plan assumptions is also used.

⁹ Navigant Consulting. 2014. *Northwest Commercial Building Stock Assessment: Final Report*. Portland, OR: Northwest Energy Efficiency Alliance.

TABLE 5-6: COMMERCIAL BUILDING SQUARE FOOTAGE BY SEGMENT

Segment	Projected 2024 Floor Area (Square Feet)
Large Office	335,810
Medium Office	2,893,601
Small Office	3,170,560
Extra Large Retail	1,296,227
Large Retail	2,173,567
Medium Retail	448,065
Small Retail	68,576
School (K-12)	116,120
University	221,281
Warehouse	6,135,244
Supermarket	871,985
Mini Mart	175,865
Restaurant	663,175
Lodging	1,749,225
Hospital	156,557
Residential Care	566,173
Assembly	935,513
Other Commercial	2,301,158
Total	24,278,701

The commercial square footage shown in Table 5-6 was used to estimate commercial potential for this assessment.

5.3 INDUSTRIAL

The methodology for estimating industrial potential is different than the approaches used for the residential and commercial sectors primarily because most energy efficiency opportunities are unique to specific industrial segments. The Council and this study use a “top-down” methodology that utilizes annual consumption by industrial segment and then disaggregates total usage by end-use shares. Estimated measure savings are applied to each sector’s end-use shares.

The District provided 2020 energy use for its industrial customers. These value are escalated based on the growth rate from 2020 (approximately 2% overall). Individual industrial customer usage is summed by industrial segment in Table 5-7. Future load growth is projected to remain at this level based on the District’s load forecast.

TABLE 5-7: INDUSTRIAL SECTOR LOAD BY SEGMENT

Industrial Segment	2020 Retail Sales (MWh)
Frozen Food	9,665
Other Food	88,245
Metal Fabrication	1,494
Equipment	3,230
Cold Storage	2,656
Refinery	1,462
Chemical	62,258
Miscellaneous Manufacturing	13,494
Total	182,506

5.4 AGRICULTURE

To determine agriculture sector characteristics in the District’s service territory, EES utilized data provided by the United States Department of Agriculture (USDA) as shown in Table 5-8. The USDA conducts a census of farms and ranches in the U.S. every five years. The most recent available data for this analysis is from the 2012 census, which was published in 2014. This data was used in both the 2015 and 2017 CPAs.

The District provides electric service to agriculture customers in Benton County; however, Benton REA also provides electric service to agriculture customers in Benton County. Minimal changes in agricultural customers were observed by the District since the previous study. The 2021 Plan added measures for stock tanks and back-up generators. Stock tanks are based on the number and size of cattle and equine farms. The back-up-generator is expected to apply only to large agricultural operations and mainly in large poultry or aquaculture processes. The number of farms is used to estimate potential for outdoor area lighting measures, as each farm is assumed to have several buildings, each with an outdoor area light. Finally, no dairy farms were estimated for the District’s service territory.

TABLE 5-8: AGRICULTURAL INPUTS

Number of Dairy Farms	0
Total Irrigated Acreage	88,092
Total Number of Pumps	1,112
Total Number of Farms	914
Stock Tanks	1,169
Back-Up Generator	3

5.5 DISTRIBUTION EFFICIENCY

For this analysis, EES developed an estimate of distribution system conservation potential using the Council’s Seventh Plan approach. The Seventh Plan estimates distribution potential for five measures as a fraction of end system sales ranging from 0.1 to 3.9 kWh per MWh, depending on the measure.

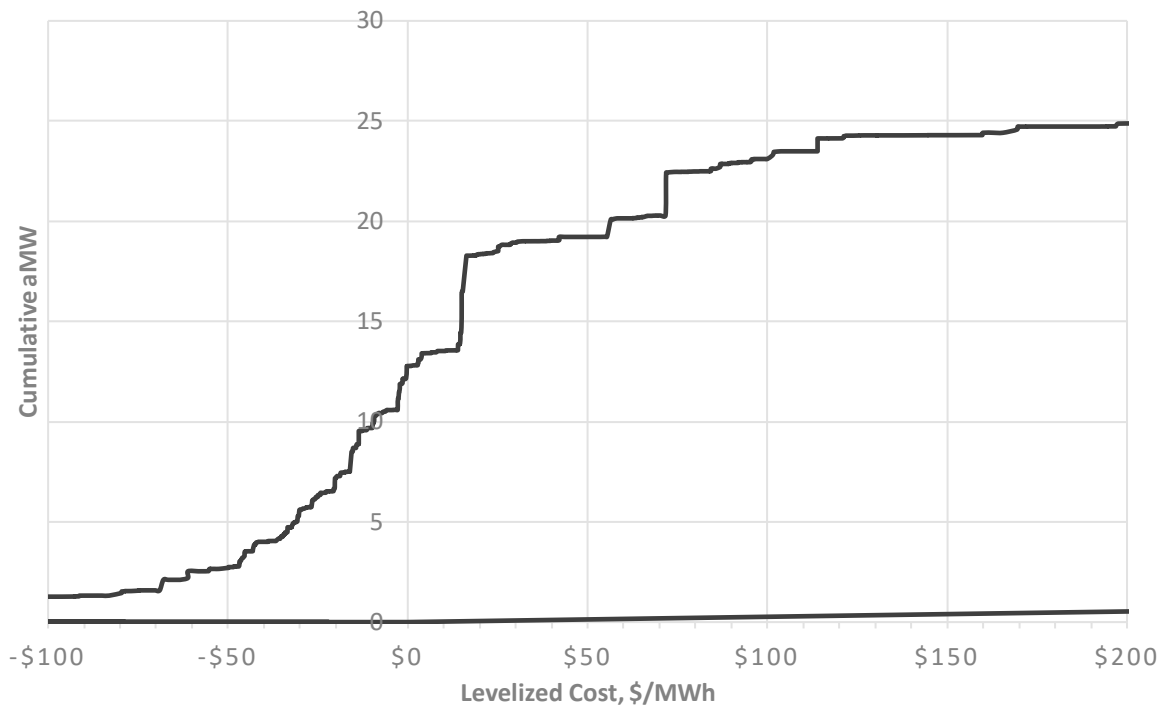
The District provided a load forecast and a growth rate of 0.6% which was used to estimate the load through the 20-year study period. This growth rate is based on the compound average growth rate for the utility-provided forecast. Distribution system conservation is discussed in detail in the next section.

6 Results – Energy Savings and Costs

6.1 ACHIEVABLE CONSERVATION POTENTIAL

Achievable potential is the amount of energy efficiency potential that is available regardless of cost. Figure 6-1, below, shows a supply curve of 20-year achievable potential. A supply curve is developed by plotting cumulative energy efficiency savings potential (aMW) against the levelized cost (\$/MWh) of the savings when measures are sorted in order of ascending cost. The potential shown in Figure 6-1 has not been screened for cost effectiveness. Costs are levelized, allowing for the comparison of measures with different lifetimes. The supply curve facilitates comparison of demand-side resources to supply-side resources and is often used in conjunction with integrated resource plans. Figure 6-1 shows that approximately 19 aMW of cumulative saving potential are available for less than \$50/MWh.

FIGURE 6-1: 20-YEAR ACHIEVABLE POTENTIAL LEVELIZED COST SUPPLY CURVE



6.2 ECONOMIC CONSERVATION POTENTIAL

Economic or cost-effective potential is the amount of potential that passes the Total Resource Cost (TRC) test. This means that the present value of the benefits attributed to the conservation measure exceeds the present value of the measure costs over its lifetime.

Table 6-1 shows the economic potential by sector in 2, 4, 10 and 20-year increments. Compared with the technical and achievable potential, it shows that 16.28 aMW of the total 25 aMW is cost effective for the District. The last section of this report discusses how these values could be used for setting targets.

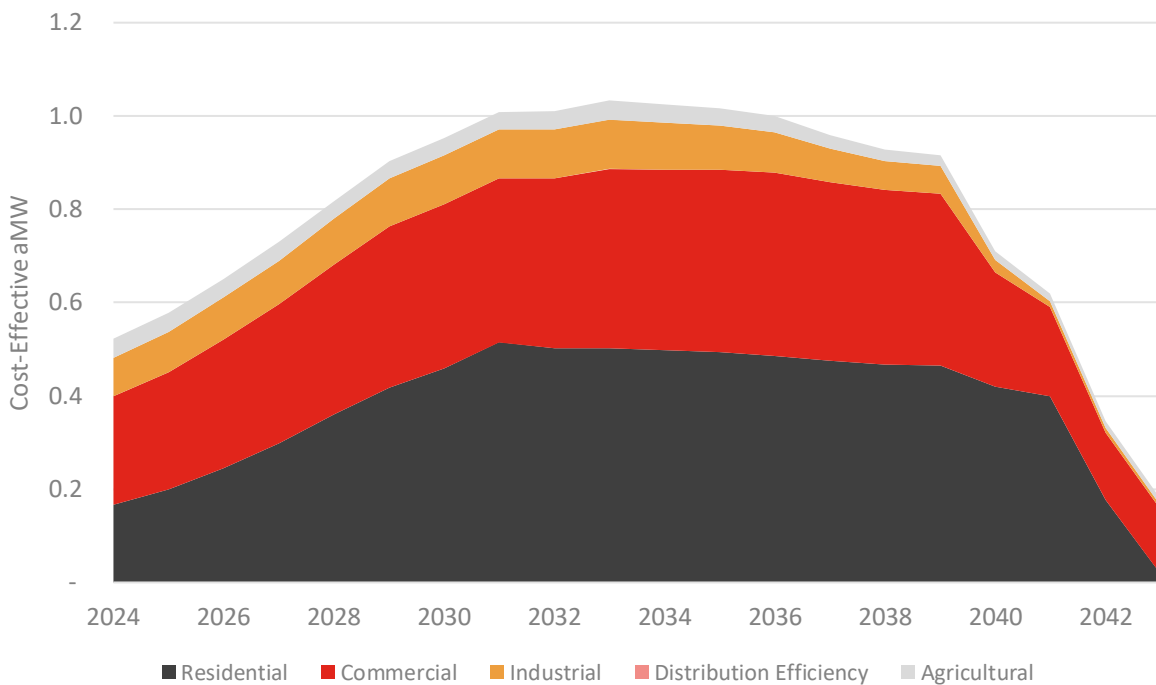
TABLE 6-1: COST-EFFECTIVE ACHIEVABLE POTENTIAL – BASE CASE (aMW)

	2-Year	4-Year	10-Year	20-Year
Residential	0.37	0.91	3.67	7.57
Commercial	0.48	1.06	3.17	6.19
Industrial	0.17	0.35	0.98	1.51
Distribution Efficiency	0.00	0.01	0.12	0.33
Agricultural	0.09	0.18	0.43	0.69
Total	1.11	2.51	8.36	16.28

6.3 SECTOR SUMMARY

Figure 6-2 shows economic potential by sector on an annual basis.

FIGURE 6-2: ANNUAL COST-EFFECTIVE POTENTIAL BY SECTOR



The largest share of the potential is in the commercial sector followed by substantial savings potential in the residential and industrial sectors. Ramp rates from the 2021 Power Plan were used to establish reasonable conservation achievement levels. In some cases, alternate ramp rates were assigned to reflect the District’s current rate of program achievement. Achievement levels are affected by factors including timing of equipment turnover and new construction, supply chain delays, economic factors, program and technology maturity, market trends, and current utility staffing and funding.

6.3.1 Residential

Within the residential sector, water heating and HVAC (including weatherization) measures make up the largest share of savings (Figure 6-3). This is due, in part, to the fact that the District’s residential customers rely mostly on electricity for space and water heating. Based on the District’s long-running weatherization

programs, the remaining weatherization opportunities are likely in hard-to-reach areas such as low income or rentals. The large amount of potential for water heating is primarily due to 1.5 gpm or lower shower heads, efficient clothes washers, aerators, and heat pump water heaters.

FIGURE 6-3: ANNUAL RESIDENTIAL COST-EFFECTIVE POTENTIAL BY END USE

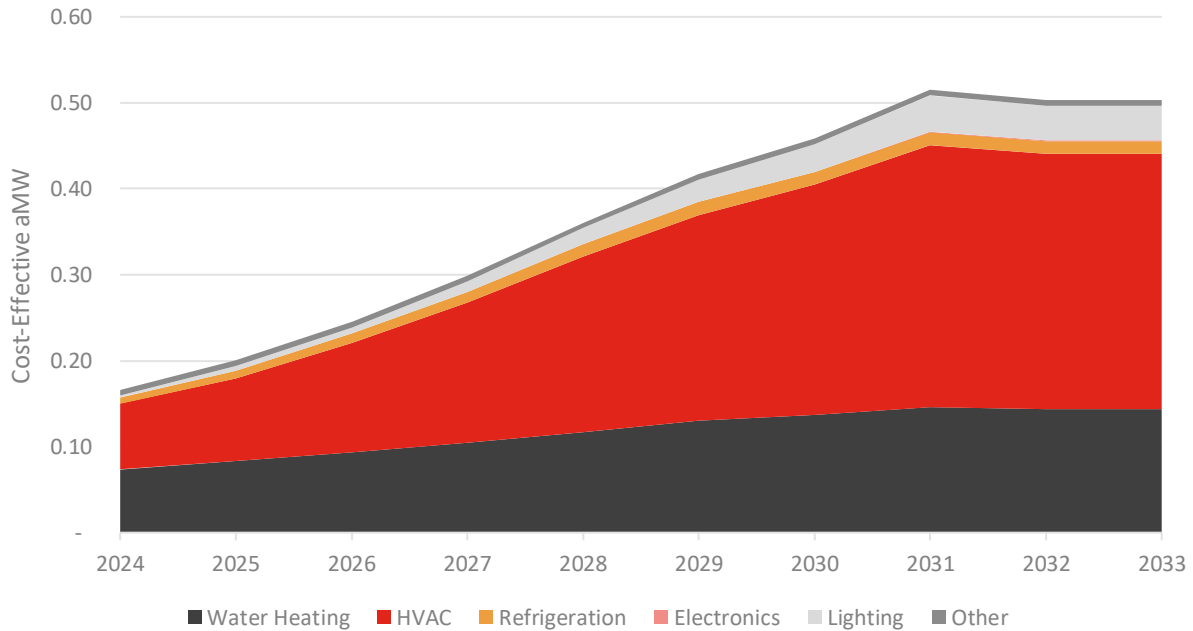


Figure 6-4 shows how the 10-year residential potential breaks down into end uses and key measure categories. The area of each block represents its share of the total 10-year residential potential.

FIGURE 6-4: RESIDENTIAL COST-EFFECTIVE POTENTIAL BY END USE AND MEASURE CATEGORY

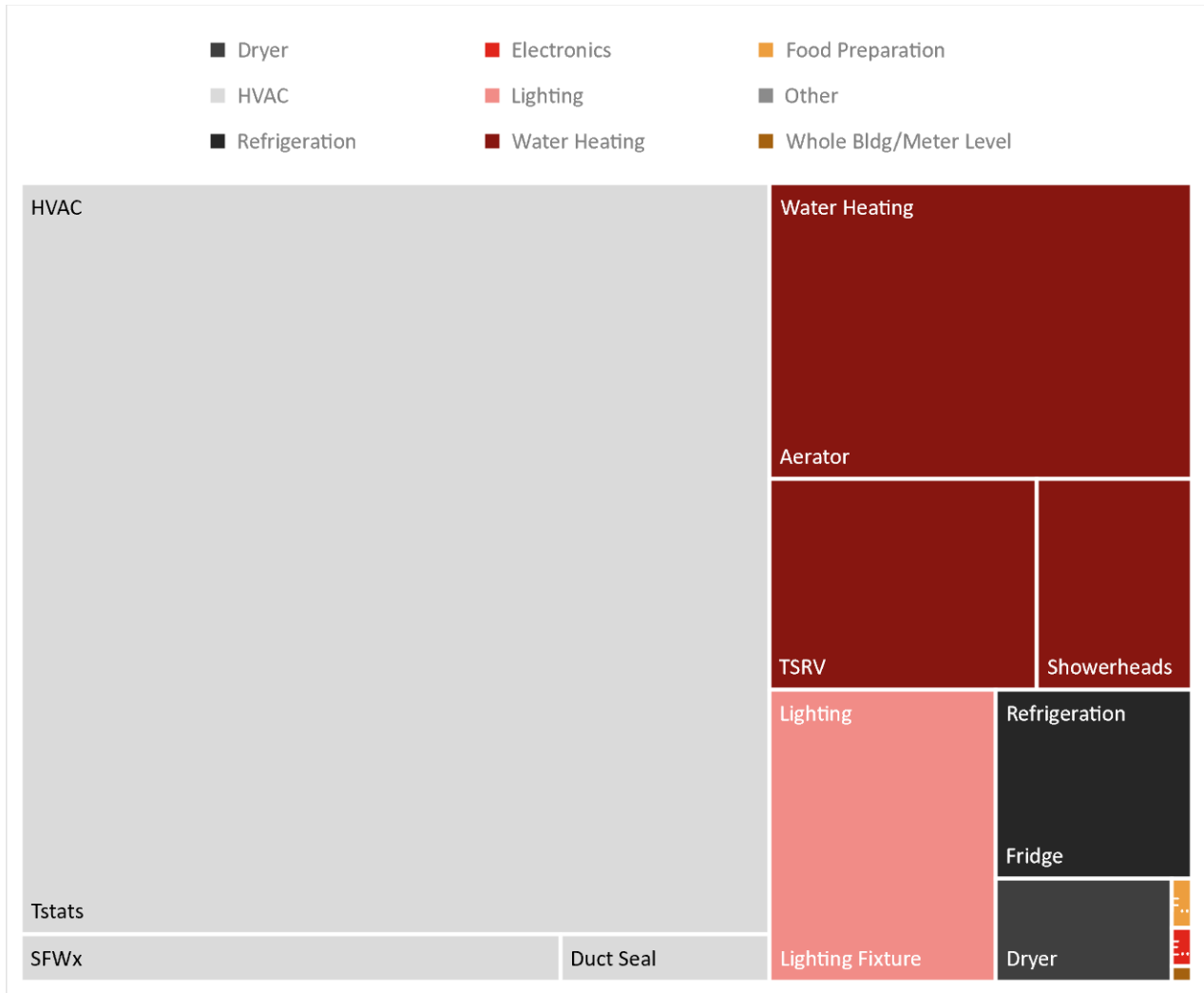


Table 6-2 compares how the savings potential has changed since the 2021 CPA. The primary drivers are changes in cost effectiveness, updated measure baselines, and the addition of measures.

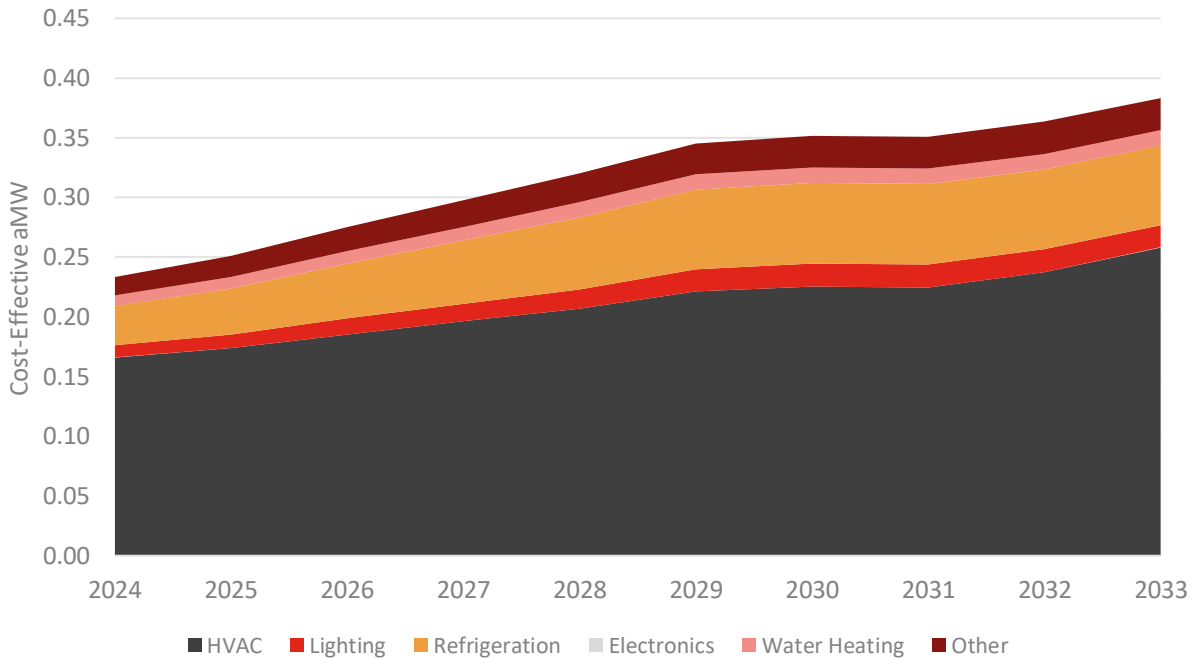
TABLE 6-2: COMPARISON RESIDENTIAL 20-YEAR ECONOMIC ACHIEVABLE POTENTIAL, AMW

End Use	2021 CPA	2023 CPA	Discussion
Water Heating	3.33	2.09	Reduced Cost-Effectiveness
HVAC	1.11	4.55	Added Measure Permutations
Lighting	0.79	0.57	Adjusted Ramp Rate for Adoption
Electronics	0.70	0.00	Updated Computer Measures, Reduced Cost-Effectiveness
Food Preparation	0.05	0.01	Reduced Cost-Effectiveness
Dryer	0.00	0.08	Added measures
Refrigeration	0.10	0.25	Added measures
Whole Building/Meter Level	0.23	0.00	Updated Saturation/Applicability, Reduced Cost-Effectiveness
Well Pumps	NA	0.00	Well Pumps Not Cost-Effective
Total	6.30	7.57	

6.3.2 Commercial

The diverse nature of commercial building energy efficiency is reflected in the variety of end-uses and corresponding measures as shown in Figure 6-5. Beyond HVAC and lighting, additional sources of potential are available in water heating, motors, and process loads. The ramp rates used to distribute potential over the 20-year period were selected so that the District can increase achievement over the current program levels over time.

FIGURE 6-5: ANNUAL COMMERCIAL COST-EFFECTIVE POTENTIAL BY END USE



The key end uses and measures within the commercial sector are shown in Figure 6-6. The area of each block represents its share of the 10-year commercial potential.

FIGURE 6-6: COMMERCIAL COST-EFFECTIVE POTENTIAL BY END USE AND MEASURE CATEGORY

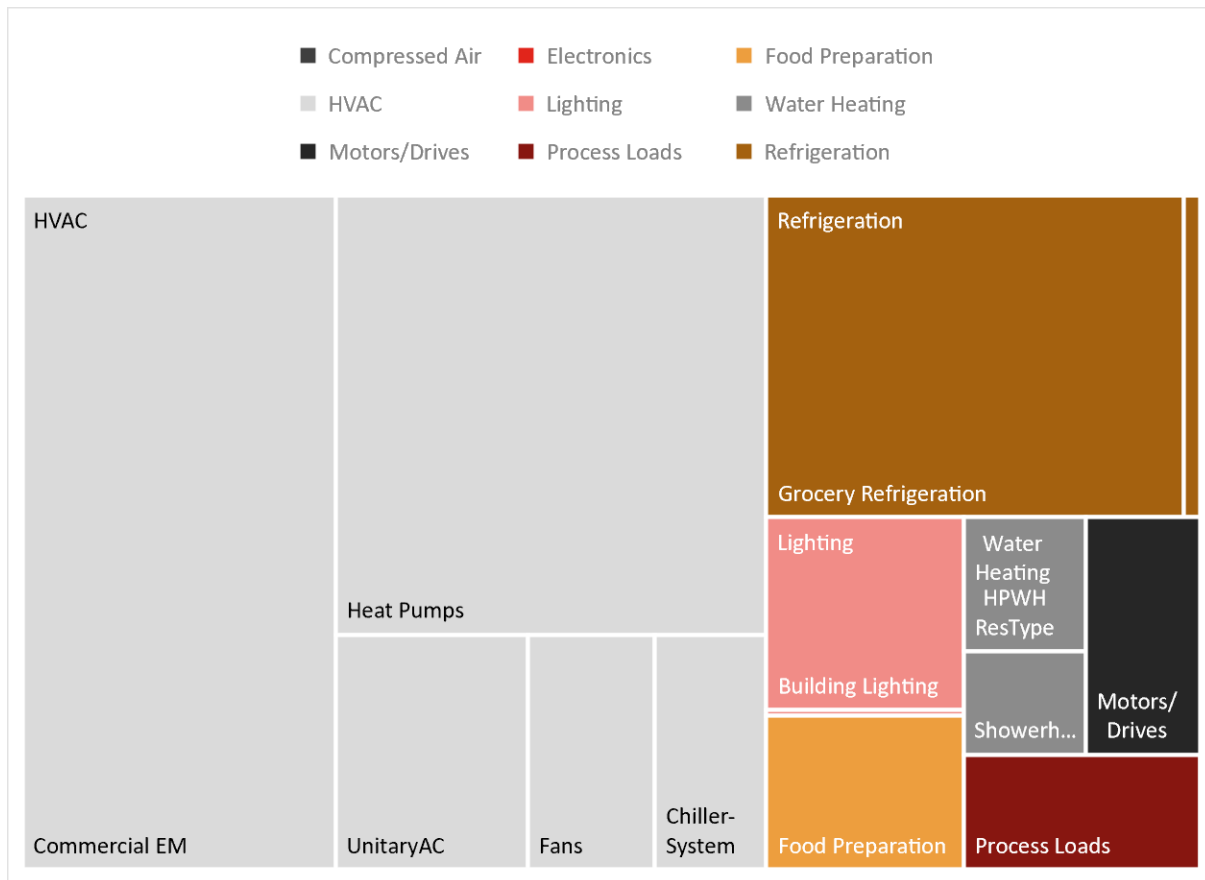


Table 6-3 provides a summary of the differences between the 2021 assessment and this 2023 CPA by end-use.

TABLE 6-3: COMPARISON COMMERCIAL 20-YEAR ECONOMIC ACHIEVABLE POTENTIAL, AMW

End Use	2021 CPA	2023 CPA	Discussion
Food Preparation	0.24	0.21	Adjusted for Achievement
Lighting	4.53	0.27	Reduced Cost-Effectiveness
Electronics	0.39	0.00	Updated Measure Data
Refrigeration	0.95	1.04	Reduced Costs, Added Measures ¹
Process Loads	0.11	0.00	Not Cost Effective
Compressed Air	0.87	0.00	Updated to 2021 Plan Methodology/Measures
HVAC	1.56	4.28	Adjusted Applicability
Motors/Drives	0.08	0.19	Added Commercial Clean Water Pumps
Water Heating	6.24	0.20	Reduced Cost-Effectiveness; Removed Older Water Heating Measures, Adjusted Applicability Based on Building Type
Total	14.96	6.19	

1. Grocery measures have not been part of BPA program offerings for several years. Significant savings have been achieved prior to the program cessation. Future CPA studies would benefit from analyzing remaining potential specific to the District.

6.3.3 Industrial

Much of the District’s industrial load is composed of food processing and chemical facilities. These segments contribute significantly to end-use savings in the energy management measures (Figure 6-7). The Other is includes compressed air and pumps.

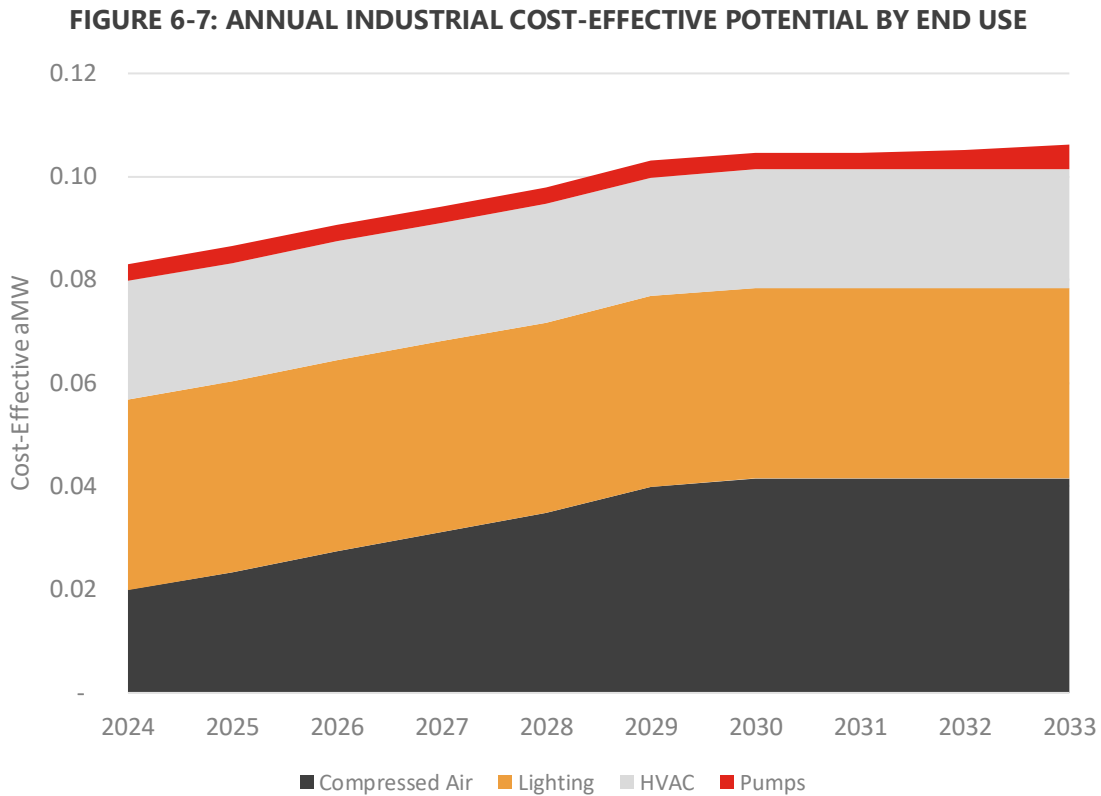
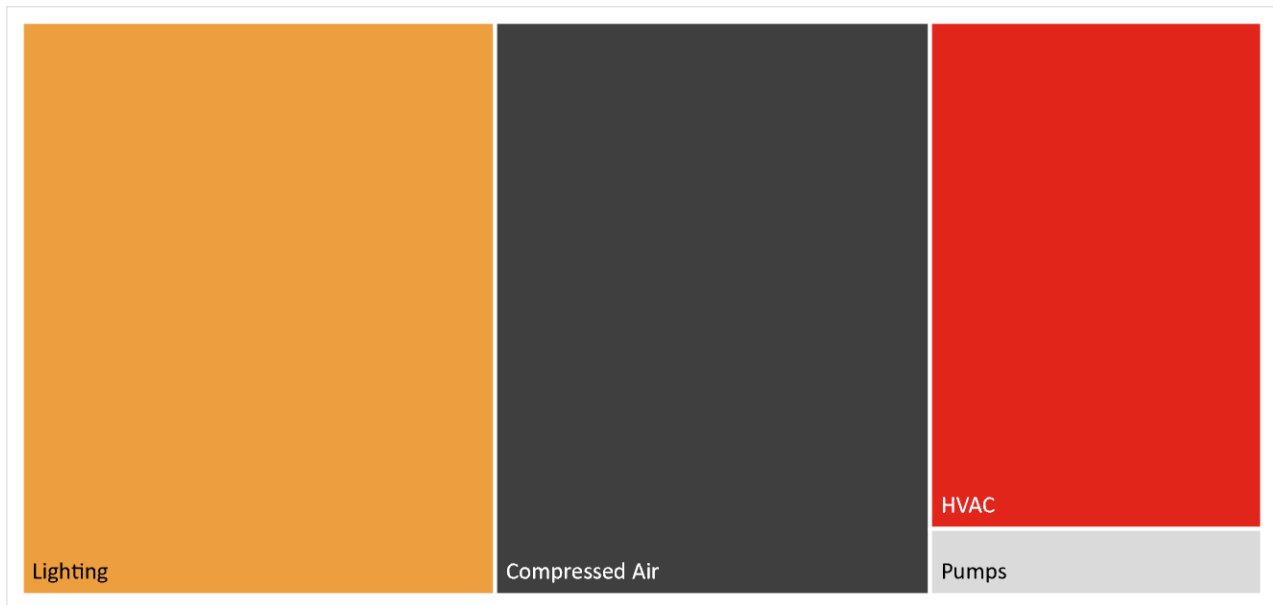


Figure 6-8 shows how the 10-year industrial potential breaks down by end use and measure categories.

FIGURE 6-8: INDUSTRIAL COST-EFFECTIVE POTENTIAL BY END USE AND MEASURE CATEGORY



The most impactful change in the industrial savings potential is the adjustment for recent program achievements. The District has completed 2 aMW in energy efficiency projects since 2016. This is reflected in the updated results in the table below. Table 6-4 compares the potential estimated in this study to the 2021 assessment. The end use categories have been updated to align with the 2021 Plan Industrial Tool.

TABLE 6-4: COMPARISON INDUSTRIAL 20-YEAR ECONOMIC ACHIEVABLE POTENTIAL, AMW

End Use	2021 CPA	2023 CPA
Compressed Air	0.03	0.59
Energy Project Management	0.00	NA
Fans	0.22	0.00
Food Processing	0.16	NA
Food Storage	0.10	NA
Hi-Tech	0.01	NA
Integrated Plant Energy Management	0.30	NA
Lighting	0.14	0.50
Municipal Sewage Treatment	0.31	NA
Plant Energy Management	0.15	NA
Pumps	0.09	0.10
HVAC	NA	0.31
Low Temp Refrigeration	NA	0.00
Med Temp Refer	NA	0.00
All Electric	NA	0.00
Material Processing	NA	0.00
Material Handling	NA	0.00
Melting and Casting	NA	0.00
Other	NA	0.00
Total	1.51	1.51

6.3.4 Agriculture

Potential in agriculture is a product of total acres under irrigation in the District's service territory, number of pumps, and the number of farms. As shown in Figure 6-9, most of the cost-effective conservation potential is due to lighting and irrigation pump motors.

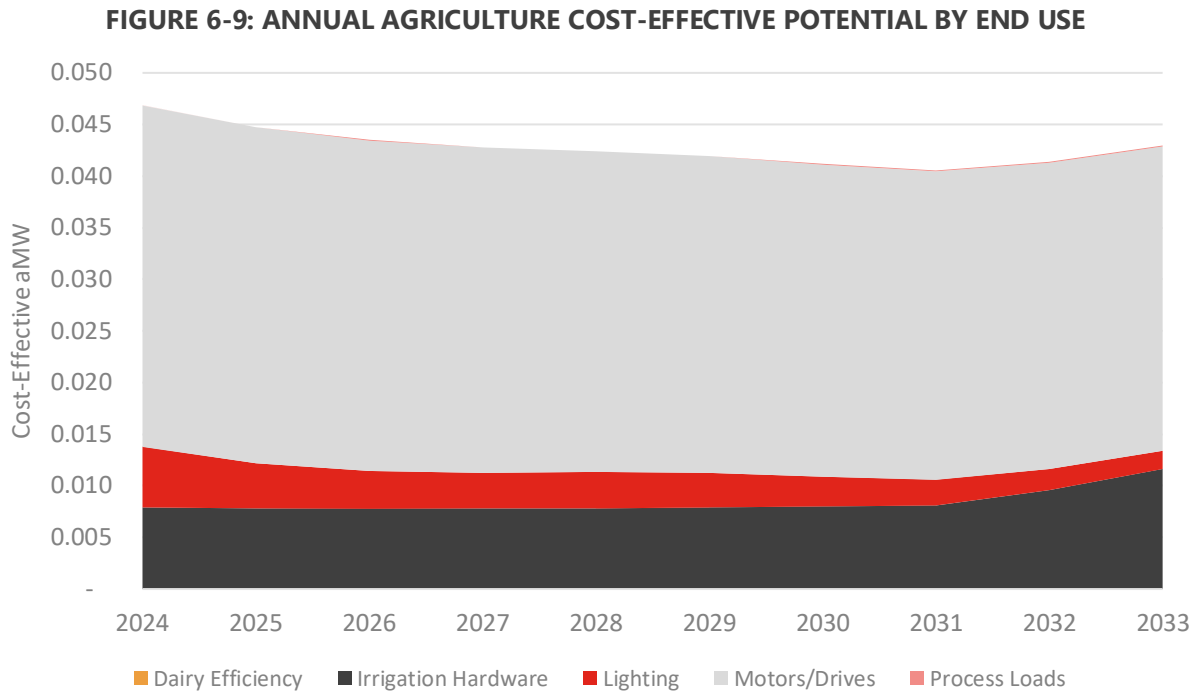


Table 6-5 compares the results of the 2021 CPA with this updated assessment.

TABLE 6-5: COMPARISON AGRICULTURAL 20-YEAR ECONOMIC ACHIEVABLE POTENTIAL, AMW

End Use	2021 CPA	2023 CPA	Discussion
Irrigation	0.12	0.232	Updated to 2021 Plan methodology
Stock Tanks	NA	0.000	Not Cost-effective
Lighting	0.02	0.040	Updated Applicability
Motors/Drives	0.04	0.417	Updated Irrigation Pump Measures
Process Loads	NA	0.001	Added engine block heater measure
Total	0.18	0.690	

6.3.5 Distribution Efficiency

Distribution system energy efficiency measures regulate voltage and upgrade systems to improve the efficiency of utility distribution systems and reduce line losses. Distribution system potential was estimated using the Council's 2021 Plan methodology. The 2021 Plan estimates distribution system potential based on end of system energy sales.

Table 6-6 compares the results of the 2021 CPA with this updated assessment.

TABLE 6-6: COMPARISON DEI 20-YEAR ECONOMIC ACHIEVABLE POTENTIAL, AMW

2021 CPA	2023 CPA	Discussion
1.70	0.33	Updated to 2021 Plan Measures, Reduced Cost-Effectiveness

6.4 COST

Budget costs can be estimated at a high level based on the incremental cost of the measures (Table 6-7). The assumptions in this estimate include: 20 percent of measure cost for administrative costs and 35 percent of the incremental measure costs is assumed to be paid by the utility as incentives. A 20 percent allocation of measure costs to administrative expenses is a standard assumption for conservation programs. This figure was used in the Council’s Seventh Power Plan. The 35 percent utility-share of measure costs is used in all sectors except in the utility distribution efficiency category, where the District is likely to pay the entire cost of any measures implemented and no incentives will be paid. These assumptions are consistent with the District’s previous CPA.

This chart shows that the District can expect to spend approximately \$5.2 million to realize estimated savings over the next two years including program administration costs. The bottom row of Table 6-7 shows the cost per MWh of first year savings.

TABLE 6-7: UTILITY PROGRAM COSTS (\$2023)

	2-Year	4-Year	10-Year	20-Year
Residential	\$1,640,000	\$3,880,000	\$15,330,000	\$30,960,000
Commercial	\$3,000,000	\$6,230,000	\$17,540,000	\$41,380,000
Industrial	\$460,000	\$950,000	\$2,450,000	\$3,510,000
Distribution Efficiency	\$10,000	\$20,000	\$210,000	\$600,000
Agricultural	\$130,000	\$260,000	\$620,000	\$1,190,000
Total	\$5,240,000	\$11,340,000	\$36,150,000	\$77,640,000
\$/First Year MWh	\$537	\$516	\$494	\$544

The cost estimates presented in this report are conservative estimates for future expenditures since they are based on historic values. Future conservation achievement may be more costly than historic conservation achievement since utilities often choose to implement the lowest cost programs first. In addition, as energy efficiency markets become more saturated, it may require more effort from the District to acquire conservation through its programs. Although not included in the above estimates, residential Low-Income programs are also significantly more costly to implement due to rebates being paid at 3 to 5 times the level of non-low income residential programs. The additional effort may result in increased administrative costs as shown in Table 6-8.

TABLE 6-8: TRC LEVELIZED COST (2023\$/MWH)

	2-Year	4-Year	10-Year	20-Year
Residential	\$59	\$58	\$59	\$59
Commercial	\$76	\$75	\$73	\$86
Industrial	\$53	\$51	\$46	\$41
Distribution Efficiency	\$37	\$18	\$18	\$18
Agricultural	\$13	\$14	\$13	\$16
Total	\$58	\$57	\$55	\$59

7 Scenario Results

The costs and savings discussed throughout the report thus far describe the Base Case avoided cost scenario. Under this scenario, annual potential for the planning period was estimated by applying assumptions that reflect the District's expected avoided costs. In addition, the Council's 20-year ramp rates were applied to each measure and then adjusted to more closely reflect the District's recent level of achievement.

Additional scenarios were developed to identify a range of possible outcomes that account for uncertainties over the planning period. In addition to the Base Case scenario, this assessment tested low and high scenarios to test the sensitivity of the results to different future avoided cost values. The avoided cost values in the low and high scenarios reflect values that are realistic and lower or higher, respectively, than the Base Case assumptions.

To understand the sensitivity of the identified savings potential to avoided cost values alone, all other inputs were held constant while varying avoided cost inputs.

Table 7-1 summarizes the Base, Low, and High avoided cost input values. Relative to the values used in the 2019 CPA, many of the avoided cost assumptions have decreased including energy and capacity estimates. These changes reduced the 20-year potential estimate due to decreased cost-effectiveness; however, the adjusted ramp rates for the new time horizon increase the near-term potential slightly compared with the 2019 results.

Rather than using a single generic risk adder applied to each unit of energy, the Low and High avoided cost values consider lower and higher potential future values for each avoided cost input. These values reflect potential price risks based upon both the energy and capacity value of each measure. The final row tabulates the implied risk adders for the Low and High scenarios by summarizing all additions or subtractions relative to the Base Case values. Risk adders are provided in both energy and demand savings values. The first set of values is the maximum (or minimum in the case of negative values). The second set of risk adder values are the average values in energy terms. Further discussion of these values is provided in Appendix IV.

TABLE 7-1: AVOIDED COST ASSUMPTIONS BY SCENARIO, \$2023

	Base	Low	High
Energy	NWPCC April 2023 Baseline Price Forecast	20% Lower than NWPCC April 2023 Baseline Price Forecast	NWPCC April 2023 High Westside Demand
Social Cost of Carbon, \$/short ton	WAC 194-40-100 \$34/MWh	WAC 194-40-100 \$34/MWh	WAC 194-40-100 \$34/MWh
Avoided Cost of RPS Compliance	Included in Social Cost of Carbon		
Distribution System Credit, \$/kW-yr	\$8.53	\$8.53	\$8.53
Transmission System Credit, \$/kW-yr	\$3.83	\$3.83	\$3.83
Deferred Generation Capacity Credit, \$/kW-yr	\$104	\$0	\$143.18
Regional Power Act Credit	10%	0%	10%
Implied Risk Adder, 20-year Levelized \$/MWh \$/kW-yr	N/A	Average: -\$22/MWh and -\$104/kW-year	Average: \$11/MWh and \$39/kW-year

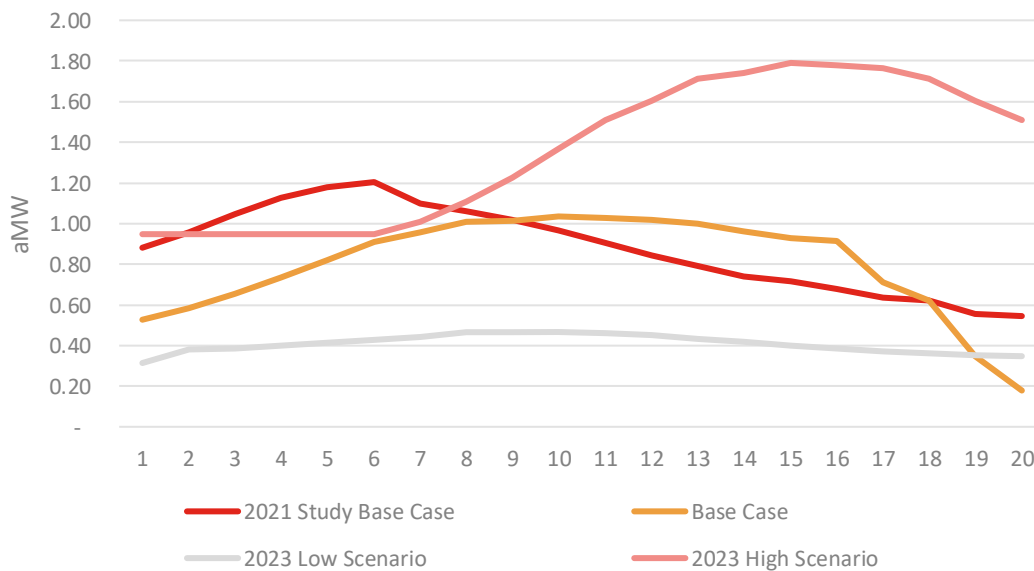
Table 7-2 summarizes results across each avoided input scenario, using Base Case load forecasts and measure acquisition rates.

TABLE 7-2: COST-EFFECTIVE POTENTIAL – AVOIDED COST SCENARIO COMPARISON

	2-Year	4-Year	10-Year	20-Year
Base Case	1.1	2.5	8.3	16.3
Low Scenario	0.7	1.5	4.2	8.1
High Scenario	1.9	3.8	10.4	27.1

Figure 7-1 compares the results of the scenario analysis with the base case from the 2021 assessment.

FIGURE 7-1: SCENARIO COMPARISON



8 Summary

This report summarizes the results of the 2021 CPA conducted for the District. The assessment provides estimates of energy savings by sector for the period 2024 to 2043 with a focus on the first 10 years of the planning period, as required by the EIA. The assessment considered a wide range of conservation resources that are reliable, available, and cost effective within the 20-year planning period.

The cost-effective potential identified in this report is a low cost and low risk resource and helps to keep future electricity costs to a minimum. Additionally, conservation achievements inherently provide capacity savings to the District. Relative to the values used in the 2021 CPA, many of the avoided cost assumptions have decreased including energy value estimates. These changes reduced the 20-year potential estimate due to decreased cost-effectiveness.

8.1 METHODOLOGY AND COMPLIANCE WITH STATE MANDATES

The energy efficiency potential reported in this document is calculated using methodology consistent with the Council's methodology for assessing conservation resources. Appendix III documents the development of conservation targets for each WAC 194-37-070 requirement and describes how each item was completed. In addition to using methodology consistent with the Council's Seventh Power Plan, this assessment utilized many of the measure assumptions that the Council developed for the Seventh Plan. Additional measure updates subsequent to the Seventh Plan were also incorporated. Utility-specific data regarding customer characteristics, service-area composition, and historic conservation achievements were used, in conjunction with the measures identified by the Council, to determine available energy-efficiency potential. This close connection with the Council methodology enables compliance with the Washington EIA.

Three types of energy-efficiency potential were calculated: technical, achievable, and economic. Most of the results shown in this report are the economic potential, or the potential that is cost effective in the District's service territory. The economic and achievable potential considers savings that will be captured through utility program efforts, market transformation and implementation of codes and standards. Often, realization of full savings from a measure will require efforts across all three areas. Historic efforts to measure the savings from codes and standards have been limited, but regional efforts to identify and track savings are increasing as they become an important component of the efforts to meet aggressive regional conservation targets.

8.2 CONSERVATION TARGETS

The EIA states that utilities must establish a biennial target that is "no lower than the qualifying utility's pro rata share for that two-year period of its cost-effective conservation potential for the subsequent ten-year period."¹⁰ However, the State Auditor's Office has stated that:

¹⁰ RCW 19.285.040 Energy conservation and renewable energy targets.

The term pro-rata can be defined as equal portions but it can also be defined as a proportion of an “exactly calculable factor.” For the purposes of the Energy Independence Act, a pro-rata share could be interpreted as an even 20 percent of a utility’s 10-year assessment but state law does not require an even 20 percent.¹¹

The State Auditor’s Office expects that qualifying utilities have analysis to support targets that are more or less than the 20 percent of the ten-year assessments. This document serves as support for the target selected by the District and approved by its Commission.

8.3 SUMMARY

This study shows a range of conservation target scenarios. These scenarios are estimates based on the set of assumptions detailed in this report and supporting documentation and models. Due to the uncertainties discussed in the Introduction section of this report, actual available and cost-effective conservation may vary from the estimates provided in this report.

¹¹ State Auditor’s Office. Energy Independence Act Criteria Analysis. Pro-Rata Definition. CA No. 2011-03. https://www.sao.wa.gov/local/Documents/CA_No_2011_03_pro-rata.pdf.

9 References

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Appendix I – Acronyms

ALH – Average Load Hours
aMW – Average Megawatt
BCR – Benefit-Cost Ratio
BPA – Bonneville Power Administration
CETA – Clean Energy Transformation Act
CPA – Conservation Potential Assessment
DVR – Demand voltage reduction
EIA – Energy Independence Act
ERWH – Electric Resistance Water Heater
EUI – Energy Use Intensity
GPM – Gallons per minute
HLH – Heavy load hour energy
HPWH – Heat Pump Water Heater
HVAC – Heating, ventilation and air-conditioning
IRP – Integrated Resource Plan
kW – kilowatt
kWh – kilowatt-hour
LED – Light-emitting diode
LLH – Light load hour energy
MW – Megawatt
MWh – Megawatt-hour
NEEA – Northwest Energy Efficiency Alliance
NPV – Net Present Value
O&M – Operation and Maintenance
RPS – Renewable Portfolio Standard
RTF – Regional Technical Forum
TRC – Total Resource Cost
UC – Utility Cost

Appendix II – Glossary

7th Power Plan: Seventh Northwest Conservation and Electric Power Plan, Feb 2016. A regional resource plan produced by the Northwest Power and Conservation Council (Council).

2021 Power Plan: A regional resource plan produced by the Northwest Power and Conservation Council (Council). At the time of this study, the Final plan is scheduled to be released in early 2022.

Average Megawatt (aMW): Average hourly usage of electricity, as measured in megawatts, across all hours of a given day, month or year.

Avoided Cost: Refers to the cost of the next best alternative. For conservation, avoided costs are usually market prices.

Achievable Potential: Conservation potential that takes into account how many measures will actually be implemented after considering market barriers. For lost-opportunity measures, there is only a certain number of expired units or new construction available in a specified time frame. The Council assumes 85% of all measures are achievable. Sometimes achievable potential is a share of economic potential, and sometimes achievable potential is defined as a share of technical potential.

Cost Effective: A conservation measure is cost effective if the present value of its benefits is greater than the present value of its costs. The primary test is the Total Resource Cost test (TRC), in other words, the present value of all benefits is equal to or greater than the present value of all costs. All benefits and costs for the utility and its customers are included, regardless of who pays the costs or receives the benefits.

Economic Potential: Conservation potential that considers the cost and benefits and passes a cost-effectiveness test.

Levelized Cost: Resource costs are compared on a levelized-cost basis. Levelized cost is a measure of resource costs over the lifetime of the resource. Evaluating costs with consideration of the resource life standardizes costs and allows for a straightforward comparison.

Lost Opportunity: Lost-opportunity measures are those that are only available at a specific time, such as new construction or equipment at the end of its life. Examples include heat-pump upgrades, appliances, or premium HVAC in commercial buildings.

MW (megawatt): 1,000 kilowatts of electricity. The generating capacity of utility plants is expressed in megawatts.

Non-Lost Opportunity: Measures that can be acquired at any time, such as installing low-flow shower heads.

Northwest Energy Efficiency Alliance (NEEA): The alliance is a unique partnership among the Northwest region's utilities, with the mission to drive the development and adoption of energy-efficient products and services.

Northwest Power and Conservation Council "The Council": The Council develops and maintains a regional power plan and a fish and wildlife program to balance the Northwest's environment and energy needs. Their three tasks are to: develop a 20-year electric power plan that will guarantee adequate and reliable energy at the lowest economic and environmental cost to the Northwest; develop a program to protect and rebuild fish and wildlife populations affected by hydropower development in the Columbia River Basin; and educate and involve the public in the Council's decision-making processes.

Regional Technical Forum (RTF): The Regional Technical Forum (RTF) is an advisory committee established in 1999 to develop standards to verify and evaluate conservation savings. Members are appointed by the Council and include individuals experienced in conservation program planning, implementation and evaluation.

Renewable Portfolio Standards: Washington state utilities with more than 25,000 customers are required to meet defined percentages of their load with eligible renewable resources by 2012, 2016, and 2020.

Retrofit (discretionary): Retrofit measures are those that can be replaced at any time during the unit's life. Examples include lighting, shower heads, pre-rinse spray heads, or refrigerator decommissioning.

Technical Potential: Technical potential includes all conservation potential, regardless of cost or achievability. Technical potential is conservation that is technically feasible.

Total Resource Cost Test (TRC): This test is used by the Council and nationally to determine whether or not conservation measures are cost effective. A measure passes the TRC if the ratio of the present value of all benefits (no matter who receives them) to the present value of all costs (no matter who incurs them) is equal to or greater than one.

Appendix III – Documenting Conservation Targets

References:

- 1) Report – “Benton Public Utilities Amended Conservation Potential Assessment 2024-2043”. Final Report – March 25, 2024.
- 2) Model – “Amended Benton PUD CPA Model.xlsm” and supporting files
 - a. MC_and_Loadshape-Base.xlsm – referred to as “MC and Loadshape file” – contains price and load shape data

WAC 194-37-070 Documenting Development of Conservation Targets; Utility Analysis Option		
NWPCC Methodology	EES Consulting Procedure	Reference
a) Technical Potential: Determine the amount of conservation that is technically feasible, considering measures and the number of these measures that could physically be installed or implemented, without regard to achievability or cost.	The model includes estimates for stock (e.g. number of homes, square feet of commercial floor area, industrial load) and the number of each measure that can be implemented per unit of stock. The technical potential is further constrained by the amount of stock that has already completed the measure.	Model – the technical potential is calculated as part of the achievable potential, described below.
b) Achievable Potential: Determine the amount of the conservation technical potential that is available within the planning period, considering barriers to market penetration and the rate at which savings could be acquired.	The assessment conducted for the District used ramp rate curves to identify the amount of achievable potential for each measure. Those assumptions are for the 20-year planning period. An additional factors ranging from 85% to 95% were included to account for market barriers in the calculation of achievable potential. This factor comes from a study conducted in Hood River where home weatherization measures were offered for free and program administrators were able to reach more than 85% of home owners.	Model – the use of these factors can be found on the sector measure tabs, such as ‘Residential Measures’. Additionally, the complete set of ramp rates used can be found on the ‘Ramp Rates’ tab.

**WAC 194-37-070 Documenting Development of Conservation
Targets; Utility Analysis Option**

NWPPC Methodology	EES Consulting Procedure	Reference
<p>c) Economic Achievable Potential: Establish the economic achievable potential, which is the conservation potential that is cost-effective, reliable, and feasible, by comparing the total resource cost of conservation measures to the cost of other resources available to meet expected demand for electricity and capacity.</p>	<p>Benefits and costs were evaluated using multiple inputs; benefit was then divided by cost. Measures achieving a benefit-cost ratio greater than one were tallied. These measures are considered achievable and cost-effective (or economic).</p>	<p>Model – Benefit-Cost ratios are calculated at the individual level by ProCost and passed up to the model.</p>
<p>d) Total Resource Cost: In determining economic achievable potential, perform a life-cycle cost analysis of measures or programs</p>	<p>The life-cycle cost analysis was performed using the Council’s ProCost model. Incremental costs, savings, and lifetimes for each measure were the basis for this analysis. The Council and RTF assumptions were utilized.</p>	<p>Model – supporting files include all of the ProCost files used in the Seventh Plan. The life-cycle cost calculations and methods are identical to those used by the Council.</p>
<p>e) Conduct a total resource cost analysis that assesses all costs and all benefits of conservation measures regardless of who pays the costs or receives the benefits</p>	<p>Cost analysis was conducted per the Council’s methodology. Capital cost, administrative cost, annual O&M cost and periodic replacement costs were all considered on the cost side. Energy, non-energy, O&M and all other quantifiable benefits were included on the benefits side. The Total Resource Cost (TRC) benefit cost ratio was used to screen measures for cost-effectiveness (i.e., those greater than one are cost-effective).</p>	<p>Model – the “Measure Info Rollup” files pull in all the results from each avoided cost scenario, including the BC ratios from the ProCost results. These results are then linked to by the Conservation Potential Assessment model. The TRC analysis is done at the lowest level of the model in the ProCost files.</p>
<p>f) Include the incremental savings and incremental costs of measures and replacement measures where resources or measures have different measure lifetimes</p>	<p>Savings, cost, and lifetime assumptions from the Council’s Final 2021 Power Plan Supply Curves, and RTF were used.</p>	<p>Model – supporting files include all of the ProCost files used in the Seventh Plan, with later updates made by the RTF. The life-cycle cost calculations and methods are identical to those used by the Council.</p>
<p>g) Calculate the value of energy saved based on when it is saved. In performing this calculation, use time differentiated avoided costs to conduct the analysis that determines the financial value of energy saved through conservation</p>	<p>The Council’s 2021 Power Plan measure load shapes were used to calculate time of day of savings and measure values were weighted based upon peak and off-peak pricing. This was handled using the Council’s ProCost tool, so it was handled in the same way as the 2021 Power Plan models.</p>	<p>Model – See MC_AND_LOADSHAPE files for load shapes. The ProCost files handle the calculations.</p>

WAC 194-37-070 Documenting Development of Conservation Targets; Utility Analysis Option

NWPCC Methodology	EES Consulting Procedure	Reference
h) Include the increase or decrease in annual or periodic operations and maintenance costs due to conservation measures	Operations and maintenance costs for each measure were accounted for in the total resource cost per the Council's assumptions.	Model – the ProCost files contain the same assumptions for periodic O&M as the Council and RTF.
i) Include avoided energy costs equal to a forecast of regional market prices, which represents the cost of the next increment of available and reliable power supply available to the utility for the life of the energy efficiency measures to which it is compared	The Council's April 2023 Baseline market price forecast was used to value energy in the Base Case Scenario.	Report – See Appendix IV. Model – See MC_AND_LOADSHAPE files ("Base Market Forecast" worksheet).
j) Include deferred capacity expansion benefits for transmission and distribution systems	Deferred transmission capacity expansion benefits were given a benefit of \$3.83/kW-year in the cost-effectiveness analysis. A distribution system credit of \$8.83/kW-year was also used (\$2023). These values were developed by the Council in preparation for the 2021 Power Plan.	Model – this value can be found on the ProData page of each ProCost file.
k) Include deferred generation benefits consistent with the contribution to system peak capacity of the conservation measure	Deferred generation capacity expansion benefits were given a value of \$ 104/kW-year in the cost effectiveness analysis for the Base Case Scenario. This is based upon the District's marginal cost for generation capacity. See Appendix IV for further discussion of this value.	Model – this value can be found on the ProData page of the ProCost Batch Runner file. The generation capacity value was not originally included as part of ProCost during the development of the 7 th Plan, so there is no dedicated input cell for this value. Instead, the value has been combined with the distribution capacity benefit since the timing of the District's distribution system peak and the regional transmission peak occur at different times.
l) Include the social cost of carbon emissions from avoided non-conservation resources	This CPA uses the social cost of carbon values specified in WAC 194-40-100	The MC_AND_LOADSHAPE files contain the carbon cost assumptions for each avoided cost scenario.

WAC 194-37-070 Documenting Development of Conservation Targets; Utility Analysis Option

NWPPC Methodology	EES Consulting Procedure	Reference
m) Include a risk mitigation credit to reflect the additional value of conservation, not otherwise accounted for in other inputs, in reducing risk associated with costs of avoided non-conservation resources	In this analysis, risk was considered by varying avoided cost inputs and analyzing the variation in results. Rather than an individual and non-specific risk adder, our analysis included a range of possible values for each avoided cost input.	The scenarios section of the report documents the inputs used and the results associated. Appendix IV discusses the risk adders used in this analysis.
n) Include all non-energy impacts that a resource or measure may provide that can be quantified and monetized	Quantifiable non-energy benefits were included where appropriate. Assumptions for non-energy benefits are the same as in the Council's Seventh Power Plan. Non-energy benefits include, for example, water savings from clothes washers.	Model – the ProCost files contain the same assumptions for non-power benefits as the Council and RTF. The calculations are handled in ProCost.
o) Include an estimate of program administrative costs	Total costs were tabulated and an estimated 20% of total was assigned as the administrative cost. This value is consistent with regional average and BPA programs. The 20% value was used in the Fifth, Sixth, Seventh Power plans and 2021 Power Plans.	Model – this value can be found on the ProData page of the ProCost V.4.006 file.
p) Include the cost of financing measures using the capital costs of the entity that is expected to pay for the measure	Costs of financing measures were included utilizing the same assumptions from the Seventh Power Plan.	Model – this value can be found on the ProData page of the ProCost V.4.006 file.
q) Discount future costs and benefits at a discount rate equal to the discount rate used by the utility in evaluating non-conservation resources	Discount rates were applied to each measure based upon the Council's methodology. A real discount rate of 3.75% was used, based on the Council's most recent analyses in support of the 2021 Power Plan.	Model – this value can be found on the ProData page of the ProCost V.4.006 file.
r) Include a ten percent bonus for the energy and capacity benefits of conservation measures as defined in 16 U.S.C. § 839a of the Pacific Northwest Electric Power Planning and Conservation Act	A 10% bonus was added to all measures in the model parameters per the Conservation Act.	Model – this value can be found on the ProData page of the ProCost V.4.006 ProData page.

Appendix IV – Avoided Cost and Risk Exposure

The District (District) Conservation Potential Assessment (CPA) was conducted for the period 2024 through 2043 as required under RCW 19.285 and WAC 194.37. According to WAC 197.37.070, the District must evaluate the cost-effectiveness of conservation by setting avoided energy costs equal to a forecast of regional market prices. In addition, several other components of the avoided cost of energy efficiency savings must be evaluated including generation capacity value, transmission and distribution costs, risk, and the social cost of carbon.

This appendix describes each of the avoided cost assumptions and provides a range of values that was evaluated in the 2023 CPA. The 2023 CPA considers three avoided cost scenarios: Base, Low, and High. Each of these is discussed below.

AVOIDED ENERGY VALUE

For the purposes of the 2023, EES used the Council’s April 2023 market price forecasts. The Baseline forecast is used in the Base and Low scenarios. This price forecast reflects the large amount of renewable energy forecast to come online in the next 20 years. The high scenario assumes the High Westside Demand forecast scenario developed by the Council. In this scenario, electricity demand is increased on the West side of the Region do to aggressive electrification goals.

AVOIDED COST ADDERS AND RISK

From a total resource cost perspective, energy efficiency provides multiple benefits beyond the avoided cost of energy. These include deferred capital expenses on generation, transmission, and distribution capacity; as well as the reduction of required renewable energy credit (REC) purchases, avoided social costs of carbon emissions, and the reduction of utility resource portfolio risk exposure. Since energy efficiency measures provide both peak demand and energy savings, these other benefits are monetized as value per unit of either kWh or kW savings.

FIGURE IV-1: OVERVIEW OF PORTFOLIO REQUIREMENTS

Energy-Based	Capacity Based
<ul style="list-style-type: none"> • Social Cost of Carbon • Renewable Energy Credits • GHG-Free or Neutral Resources • Risk Reduction Premium 	<ul style="list-style-type: none"> • Generation Capacity Deferral • Transmission Capacity Deferral • Distribution Capacity Deferral

The estimated values and associated uncertainties for these avoided cost components are based on the District’s 2022 Integrated Resource Plan (IRP)¹² and relevant portfolio requirements from the Clean Energy Transformation Act (CETA). The timeline below summarizes the relevant milestones for portfolio planning. The type of energy the District will need to procure is based on these requirements; therefore, the requirements set the avoided cost as it relates to capacity, renewable, and GHG-free power supply.

FIGURE IV-2: OVERVIEW OF PORTFOLIO REQUIREMENTS



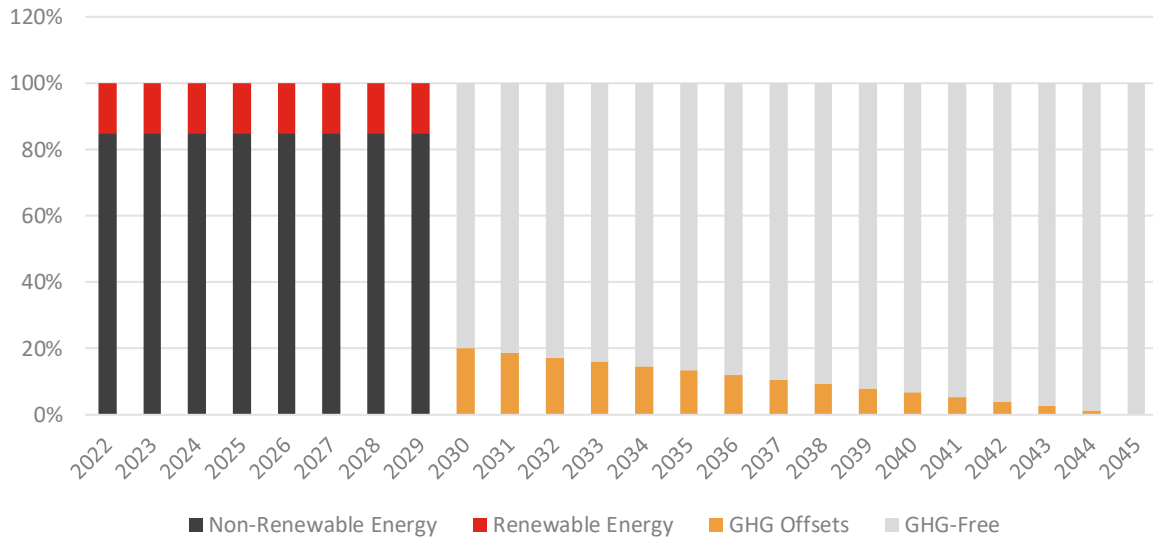
Through 2030, the District must meet the renewable portfolio standard (RPS) set for Washington State Utilities of 15% of the system load. The RPS can be met through either bundled or unbundled RECs. Next, CETA establishes a 100% GHG neutral requirement by 2030. The requirement states that at least 80% of a utility’s portfolio must be sourced directly from either renewable¹³ or non-emitting resources.¹⁴ A utility may then meet the mandate by purchasing no more than 20% of its portfolio in offsets such as unbundled REC purchases. The offsets will then be phased out by 2045 as shown in Figure IV-3.

¹² 2022 Integrated Resource Plan. August 9, 2022. Available at: <https://www.bentonpud.org/About/Planning-Performance/Integrated-Resources-Plan>

¹³ Renewable resources include water, wind, solar energy, geothermal, renewable natural gas, renewable hydrogen, wave, ocean or tidal power, and biodiesel not derived from crops raised on land cleared from old growth forest or first growth, or biomass. (Chapter 173-444 WAC available at: <https://ecology.wa.gov/DOE/files/c0/c08b45ae-7140-4b30-a3c2-faf8aa042651.pdf>)

¹⁴ Non-emitting resources are those that generate electricity, or provide capacity of ancillary services to an electric utility that do not emit greenhouse gases as a by-product. *See id.*

FIGURE IV-3: SUMMARY OF RPS AND CETA PORTFOLIO REQUIREMENTS



Social Cost of Carbon

The social cost of carbon is a cost that society incurs when fossil fuels are burned to generate electricity. Both the EIA rules and CETA requires that CPAs include the social cost of carbon when evaluating cost effectiveness using the total resource cost test (TRC). CETA further specifies the social cost of carbon values to be used in conservation and demand response studies. These values are shown in Table IV-1 below.

TABLE IV-1: SOCIAL COST OF CARBON VALUES¹⁵

Year in Which Emissions Occur or Are Avoided	Social Cost of Carbon Dioxide (in 2007 dollars per metric ton)	Social Cost of Carbon Dioxide (in 2018 dollars per metric ton)
2020	\$62	\$74
2025	\$68	\$81
2030	\$73	\$87
2035	\$78	\$93
2040	\$84	\$100
2045	\$89	\$106
2050	\$95	\$113

¹⁵ WAC 194-40-100. Available at: <https://apps.leg.wa.gov/wAc/default.aspx?cite=194-40-100&pdf=true>

According to WAC 194-40-110, values may be adjusted for any taxes, fees or costs incurred by utilities to meet portfolio mandates.¹⁶ For example, the social cost of carbon is the full value of carbon emissions which includes the cost to utilities and ratepayers associated with moving to non-emitting resources. Rather than adjust the social cost of carbon for the cost of RECs or renewable energy, the values for RECS and renewable energy are excluded from the analysis to avoid double counting.

The emissions intensity of the marginal resource (market) is used to determine the \$/MWh value for the social cost of carbon. Ecology states that unspecified resources should be given a carbon intensity value of 0.437 metric tons of CO₂e/MWh of electricity (0.874 lbs/kWh).¹⁷ This is an average annual value applied to in all months in the conservation potential model.¹⁸

Avoided Renewable Energy Purchases

Renewable energy purchases need to meet both RPS and CETA and can be avoided through conservation. Utilities may meet Washington RPS through either bundled energy purchases such as purchasing the output of a wind resource where the non-energy attributes remain with the output, or they may purchase unbundled RECs.

As stated above, the value of avoided renewable energy credit purchases resulting from energy efficiency is accounted for within the social cost of carbon construct. The social cost of carbon already considers the cost of moving from an emitting resource to a non-emitting resource. Therefore, it is not necessary to include an additional value for renewable energy purchases prior to 2045 when all energy must be non-emitting or renewable.

Beginning in 2045, the social cost of carbon may no longer be an appropriate adder in resource planning. However, prior to 2045 utilities may still use offsets to meet CETA requirements. Since the study period of this evaluation ends prior to 2045, the avoided social cost of carbon is included in each year. For future studies that extend to 2045 and beyond, it would be appropriate to include renewable energy or non-emitting resource costs as the avoided cost of energy rather than market plus the social cost of carbon.

Risk Adder

In general, the risk that any utility faces is that energy efficiency will be undervalued, either in terms of the value per kWh or per kW of savings, leading to an under-investment in energy efficiency and exposure to higher market prices or preventable investments in infrastructure. The converse risk—an over-valuing of energy and subsequent over-investment in energy efficiency—is also possible, albeit less likely. For

¹⁶ WAC 194-40-110 (b).

¹⁷ WAC 173-444-040 (4).

¹⁸ For reference, the Seventh Power Plan evaluated 0.95 lbs/kWh and 0 lbs/kWh. Typically, the emissions intensity would be higher in months outside of spring run-off (June-July). The seasonal nature of carbon intensity is not modeled due to the prescriptive annual value established by Ecology in WAC 173-444-040.

example, an over-investment would occur if an assumption is made that economies will remain basically the same as they are today and subsequent sector shifts or economic downturns cause large industrial customers to close their operations. Energy efficiency investments in these facilities may not have been in place long enough to provide the anticipated low-cost resource.

In order to address risk, the Council develops a risk adder (\$/MWh) for its cost-effectiveness analysis of energy efficiency measures. This adder represents the value of energy efficiency savings not explicitly accounted for in the avoided cost parameters. The risk adder is included to ensure an efficient level of investment in energy efficiency resources under current planning conditions. Specifically, in cases where the market price has been low compared to historic levels, the risk adder accounts for the likely possibility that market prices will increase above current forecasts.

The value of the risk adder has varied depending on the avoided cost input values. The adder is the result of stochastic modeling and represents the lower risk nature of energy efficiency resources. In the Sixth Power Plan the risk adder was significant (up to \$50/MWh for some measures). In the Seventh Power Plan the risk adder was determined to be \$0/MWh after the addition of the generation capacity deferral credit. The 2021 Power Plan used the same methodology as the Seventh Plan. While the Council uses stochastic portfolio modeling to value the risk credit, utilities conduct scenario and uncertainty analysis. The scenarios modeled in the District's CPA include an inherent value for the risk credit such as higher market prices due to a number of factors including electrification, and increased renewables integrated onto the grid.

For the District's 2023 CPA, the avoided cost parameters have been estimated explicitly, and a scenario analysis is performed. Therefore, no risk adder was used for the base case. Variation in other avoided cost inputs covers a range of reasonable outcomes and is sufficient to identify the sensitivity of the cost-effective energy efficiency potential to a range of outcomes. The scenario results present a range of cost-effective energy efficiency potential, and the identification of the District's biennial target based on the range modeled is effectively selecting the utility's preferred risk strategy and associated risk credit.

Deferred Transmission and Distribution System Investment

Energy efficiency measure savings reduce capacity requirements on both the transmission and distribution systems. The Council's 2021 Power assumes these avoided costs are \$3.83/kW-year and \$8.5/kW-year for transmission and distribution systems, respectively (\$2023).¹⁹ These assumptions are used in all scenarios in the CPA.

Deferred Investment in Generation Capacity

Beginning in October 2023, the District will be a load following customer of BPA. As a load following customer, the District's avoided cost of capacity is built into BPA's preference rates. BPA demand rates

¹⁹ Northwest Power and Conservation Council Memorandum to the Power Committee Members. Subject; Updated Transmission & Distribution Deferral Value for the 2021 Power Plan. March 5, 2019. Available at: https://www.nwcouncil.org/sites/default/files/2019_0312_p3.pdf.

are escalated 3% each rate period (every two years).²⁰ Over the 20-year analysis period, the resulting cost of avoided capacity is \$104/kW-year (2023\$) in levelized terms.

In the Council’s 2021 Power Plan,²¹ a generation capacity value of \$143/kW-year was explicitly calculated (\$2023). This value is used in the high scenario.

SUMMARY OF SCENARIO ASSUMPTIONS

Table IV-2 summarizes the recommended scenario assumptions. The Base Case represents the most likely future.

TABLE IV-2 AVOIDED COST ASSUMPTIONS BY SCENARIO, \$2023

	Base	Low	High
Energy	NWPCC April 2023 Baseline Price Forecast	20% Lower than NWPCC April 2023 Price Forecast	NWPCC April 2023 High Westside Demand
Social Cost of Carbon, \$/short ton	WAC 194-40-100 \$34/MWh	WAC 194-40-100 \$34/MWh	WAC 194-40-100 \$34/MWh
Avoided Cost of RPS Compliance	Included in Social Cost of Carbon		
Distribution System Credit, \$/kW-yr	\$8.53	\$8.53	\$8.53
Transmission System Credit, \$/kW-yr	\$3.83	\$3.83	\$3.83
Deferred Generation Capacity Credit, \$/kW-yr	\$104	\$0	\$143.18
Implied Risk Adder, 20-year Levelized \$/MWh \$/kW-yr	N/A	Average: -\$22/MWh and -\$104/kW-year	Average: \$11/MWh and \$39/kW-year

²⁰ BP-24 Rate Proceeding. July 2023. BP-24-A-02-AP01 Available online: <https://www.bpa.gov/-/media/Aep/rates-tariff/bp-24/Final-Proposal/Appendix-BFinal-Proposal-Power-Rate-Schedules-and-GRSPsBP24A02AP01Rev-1.pdf>.

²¹ <https://www.nwcouncil.org/energy/powerplan/7/home/>.

Appendix V – Ramp Rate Documentation

This section is intended to document how ramp rates were adjusted to align near term potential with recent achievements of the District programs.

Modelling work began with the 2021 Power Plan ramp rate assignments for each measure. The District’s program achievements from 2020 and estimates for 2021 were compared at a sector level with the first two years of the study period, 2024-2025. This allowed for the identification of sectors where ramp rate adjustments may be necessary.

Table V-1 below shows the results of the comparison by sector after ramp rate adjustments were made.

Table V-1 Comparison of Sector-Level Program Achievement and Potential (aMW)							
	Program History				CPA Potential		
	2020	2021	2022*	20-'22 Avg	2024	2025	
Residential	0.12	0.12	0.12	0.12	0.17	0.20	
Commercial	0.19	0.40	0.09	0.23	0.23	0.25	
Industrial	0.14	0.94	0.14	0.40	0.08	0.09	
Agricultural	0.00	0.00	0.00	0.00	0.05	0.04	
Distribution Efficiency	0.00	0.01	0.02	0.01	0.00	0.00	
NEEA	0.64	0.69	0.13	0.49	0.00	0.00	
Total	1.08	2.17	0.50	1.25	0.53	0.58	

*Projected

The potential estimates in this study were developed based on customized ramp rates. Customized ramp rates were necessary to project reasonable program savings based on the District’s recent achievement. It is expected that much of the future potential be achieved from harder to reach residential and commercial customers. The District has detailed its continued efforts to improve energy efficiency for low-income customers in its Clean Energy Implementation Plan.

Appendix VI – Measure List

This appendix provides a high-level measure list of the energy efficiency measures evaluated in the 2023 CPA. The CPA evaluated thousands of measures; the measure list does not include each individual measure; rather it summarizes the measures at the category level, some of which are repeated across different units of stock, such as single family, multifamily, and manufactured homes. Specifically, utility conservation potential is modeled based on incremental costs and savings of individual measures. Individual measures are then combined into measure categories to more realistically reflect utility-conservation program organization and offerings. For example, single family attic insulation measures are modeled for a variety of upgrade increments: R-0 to R-38, R-0 to R-49, or R-19 to R-38. The increments make it possible to model measure savings and costs at a more precise level. Each of these individual measures are then bundled across all housing types to result in one measure group: attic insulation.

The following tables list the conservation measures (at the category level) that were used to model conservation potential presented in this report. Measure data was sourced from the Council’s 2021 Plan workbooks. Please note that some measures may not be applicable to an individual utility’s service territory based on characteristics of the utility’s customer sectors.

Table VI-1 Residential End Uses and Measures		
End Use	Measures/Categories	Data Source
Appliances	Heat Pump Clothes Dryer	2021 Power Plan
	Clothes Dryer	2021 Power Plan
	Oven	2021 Power Plan
Electronics	Advanced Power Strips	2021 Power Plan
	Desktop	2021 Power Plan
	Laptop	2021 Power Plan
	Monitor	2021 Power Plan
	Air Cleaners	2021 Power Plan
Food Preparation	Electric Oven	2021 Power Plan
	Microwave	2021 Power Plan
HVAC	Air Source Heat Pump	2021 Power Plan
	Controls, Commissioning, and Sizing	2021 Power Plan
	Central Air Conditioning	2021 Power Plan
	Ductless Heat Pump	2021 Power Plan
	Ducted Heat Pump	2021 Power Plan
	Duct Sealing	2021 Power Plan
	Ground Source Heat Pump	2021 Power Plan
	Heat Recovery Ventilation	2021 Power Plan
	Attic Insulation	2021 Power Plan
	Floor Insulation	2021 Power Plan
	Wall Insulation	2021 Power Plan
	Windows	2021 Power Plan
	Cellular Shades	2021 Power Plan
	Whole House Fan	2021 Power Plan
Wi-Fi Enabled Thermostats	2021 Power Plan	
Lighting	Linear Fluorescent Lighting	2021 Power Plan
	Floor/Table Lamps	2021 Power Plan
	Ceiling and Wall Flush Mount	2021 Power Plan

Table VI-1 Residential End Uses and Measures		
End Use	Measures/Categories	Data Source
	Downlight Fixture	2021 Power Plan
	Exterior Porch	2021 Power Plan
	Linear Porch	2021 Power Plan
	Track Lighting	2021 Power Plan
	Linear Base	2021 Power Plan
	Decorative Base	2021 Power Plan
Refrigeration	Freezer	2021 Power Plan
	Refrigerator	2021 Power Plan
Water Heating	Aerator	2021 Power Plan
	Water Heater Pipe Insulation	2021 Power Plan
	Clothes Washer	2021 Power Plan
	Dishwasher	2021 Power Plan
	Heat Pump Water Heater	2021 Power Plan
	Showerheads	2021 Power Plan
	Solar Water Heater	2021 Power Plan
	Circulator Controls	2021 Power Plan
	Thermostatic Valve	2021 Power Plan
Wastewater Heat Recovery	2021 Power Plan	
Whole Building	EV Charging Equipment	2021 Power Plan
	Behavior	2021 Power Plan
	Well Pump	2021 Power Plan

Table VI-2 Commercial End Uses and Measures		
End Use	Measures/Categories	Data Source
Compressed Air	Controls, Equipment, & Demand Reduction	2021 Power Plan
Electronics	Desktop Computer	2021 Power Plan
	Laptop Computer	2021 Power Plan
	Smart Plug Power Strips	2021 Power Plan
	Data Center Measures	2021 Power Plan
Food Preparation	Combination Ovens	2021 Power Plan
	Convection Ovens	2021 Power Plan
	Fryers	2021 Power Plan
	Hot Food Holding Cabinet	2021 Power Plan
	Steamer	2021 Power Plan
	Pre-Rinse Spray Valve	2021 Power Plan
HVAC	Advanced Rooftop Controller	2021 Power Plan
	Chiller Upgrade	2021 Power Plan
	Commercial Energy Management	2021 Power Plan
	Demand Control Ventilation	2021 Power Plan
	Ductless Heat Pumps	2021 Power Plan
	Economizers	2021 Power Plan
	Secondary Glazing Systems	2021 Power Plan
	Variable Refrigerant Flow	2021 Power Plan
	Web-Enabled Programmable Thermostat	2021 Power Plan
	Fans	2021 Power Plan
PTPH	2021 Power Plan	
Lighting	Bi-Level Stairwell Lighting	2021 Power Plan
	Exterior Building Lighting	2021 Power Plan
	Exit Signs	2021 Power Plan
	Lighting Controls	2021 Power Plan
	Interior Lighting	2021 Power Plan
	Garage Lighting	2021 Power Plan
Motors/Drives	Street & Roadway Lighting	2021 Power Plan
	ECM for Variable Air Volume	2021 Power Plan
Process Loads	Motor Rewinds	2021 Power Plan
	Municipal Water Supply	2021 Power Plan
Refrigeration	Grocery Refrigeration Bundle	2021 Power Plan
	Freezer	2021 Power Plan
Water Heating	Commercial Clothes Washer	2021 Power Plan
	Showerheads	2021 Power Plan
	Clean Water Pumps	2021 Power Plan
	Heat Pump Water Heaters	2021 Power Plan
	Circulator Pumps	2021 Power Plan
Process Loads	Elevators	2021 Power Plan
	Engine Block Heater Control	2021 Power Plan

Table VI-3 Industrial End Uses and Measures		
End Use	Measures/Categories	Data Source
Compressed Air	Air Compressor Equipment	2021 Power Plan
	Demand Reduction	2021 Power Plan
Energy Management	Air Compressor Optimization	2021 Power Plan
	Energy Project Management	2021 Power Plan
	Fan Energy Management	2021 Power Plan
	Fan System Optimization	2021 Power Plan
	Cold Storage Tune-up	2021 Power Plan
	Chiller Optimization	2021 Power Plan
	Integrated Plant Energy Management	2021 Power Plan
	Plant Energy Management	2021 Power Plan
	Pump Energy Management	2021 Power Plan
	Pump System Optimization	2021 Power Plan
Fans	Efficient Centrifugal Fan	2021 Power Plan
	Fan Equipment Upgrade	2021 Power Plan
Hi-Tech	Clean Room Filter Strategy	2021 Power Plan
	Clean Room HVAC	2021 Power Plan
	Chip Fab: Eliminate Exhaust	2021 Power Plan
	Chip Fab: Exhaust Injector	2021 Power Plan
	Chip Fab: Reduce Gas Pressure	2021 Power Plan
	Chip Fab: Solid State Chiller	2021 Power Plan
Lighting	Efficient Lighting	2021 Power Plan
	High-Bay Lighting	2021 Power Plan
	Lighting Controls	2021 Power Plan
Low & Medium Temp Refrigeration	Food: Cooling and Storage	2021 Power Plan
	Cold Storage Retrofit	2021 Power Plan
	Grocery Distribution Retrofit	2021 Power Plan
Material Handling	Material Handling Equipment	2021 Power Plan
	Material Handling VFD	2021 Power Plan
Metals	New Arc Furnace	2021 Power Plan
Misc.	Synchronous Belts	2021 Power Plan
	Food Storage: CO2 Scrubber	2021 Power Plan
	Food Storage: Membrane	2021 Power Plan
Motors	Motor Rewinds	2021 Power Plan
Paper	Efficient Pulp Screen	2021 Power Plan
	Material Handling	2021 Power Plan
	Premium Control	2021 Power Plan
	Premium Fan	2021 Power Plan
Process Loads	Municipal Sewage Treatment	2021 Power Plan
Pulp	Efficient Agitator	2021 Power Plan
	Effluent Treatment System	2021 Power Plan
	Premium Process	2021 Power Plan
	Refiner Plate Improvement	2021 Power Plan
	Refiner Replacement	2021 Power Plan
Pumps	Equipment Upgrade	2021 Power Plan
Transformers	New/Retrofit Transformer	2021 Power Plan
Wood	Hydraulic Press	2021 Power Plan
	Pneumatic Conveyor	2021 Power Plan

Table VI-3 Agriculture End Uses and Measures		
End Use	Measures/Categories	Data Source
Dairy Efficiency	Efficient Lighting	2021 Power Plan
	Milk Pre-Cooler	2021 Power Plan
	Vacuum Pump	2021 Power Plan
Irrigation	Low Energy Sprinkler Application	2021 Power Plan
	Irrigation Hardware	2021 Power Plan
	Line Pressure Reduction	2021 Power Plan
Lighting	Agricultural Lighting	2021 Power Plan
Process Loads	Circulating Block Heater for Back -Up Generator	2021 Power Plan
	Energy Free Stock Tank	2021 Power Plan
Motors/Drives	Green Motor Rewinds	2021 Power Plan

Table VI-4 Distribution Efficiency End Uses and Measures		
End Use	Measures/Categories	Data Source
Distribution Efficiency	ECM-1 LDC Voltage Control without VVO & AMI	2021 Power Plan
	ECM-2 & ECM 3 LDC Voltage Control with VVO & AMI	2021 Power Plan

Appendix VII –Energy Efficiency Potential by End-Use

Table VII-1				
Residential Economic Potential (aMW)				
	2 Year	4 Year	10 Year	20 Year
Dryer	0.01	0.04	0.06	0.08
Electronics	0.00	0.00	0.00	0.00
Food Preparation	0.00	0.00	0.00	0.01
HVAC	0.17	0.91	2.07	4.55
Lighting	0.01	0.07	0.22	0.57
Refrigeration	0.02	0.07	0.13	0.25
Water Heating	0.16	0.60	1.17	2.09
Whole Building/Meter Level	0.00	0.00	0.00	0.00
Total	0.37	1.69	3.67	7.57
Table VII-2				
Commercial Economic Potential (aMW)				
	2 Year	4 Year	10 Year	20 Year
Compressed Air	0.00	0.00	0.00	0.00
Electronics	0.00	0.00	0.00	0.00
Food Preparation	0.02	0.07	0.12	0.21
HVAC	0.34	1.15	2.10	4.28
Lighting	0.02	0.08	0.16	0.27
Motors/Drives	0.01	0.06	0.11	0.19
Process Loads	0.00	0.00	0.00	0.00
Refrigeration	0.07	0.30	0.57	1.04
Water Heating	0.02	0.07	0.12	0.20
Total	0.48	1.72	3.17	6.19

Table VII-3 Industrial Economic Potential (aMW)				
	2 Year	4 Year	10 Year	20 Year
Compressed Air	0.04	0.18	0.34	0.59
Fans	0.00	0.00	0.00	0.00
Lighting	0.07	0.22	0.37	0.50
Pumps	0.01	0.02	0.03	0.10
HVAC	0.05	0.14	0.23	0.31
Low Temp Refer	0.00	0.00	0.00	0.00
Med Temp Refer	0.00	0.00	0.00	0.00
All Electric	0.00	0.00	0.00	0.00
Material Processing	0.00	0.00	0.00	0.00
Material Handling	0.00	0.00	0.00	0.00
Melting and Casting	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00
Total	0.17	0.56	0.98	1.51

Table VII-4 Agricultural Economic Potential (aMW)				
	2 Year	4 Year	10 Year	20 Year
Dairy Efficiency	0.00	0.00	0.00	0.00
Irrigation	0.02	0.05	0.08	0.23
Lighting	0.01	0.02	0.03	0.04
Motors/Drives	0.07	0.19	0.31	0.42
Process Loads	0.00	0.00	0.00	0.00
HVAC	0.00	0.00	0.00	0.00
Total	0.09	0.26	0.43	0.69

Table VII-5 Distribution Efficiency Economic Potential (aMW)				
	2 Year	4 Year	10 Year	20 Year
EMC-1 LDC with no VVO	0.00	0.03	0.12	0.33
ECM-2 & ECM-3 LDC with VVO & AMI	0.00	0.00	0.00	0.00
Total	0.00	0.03	0.12	0.33

Appendix VIII – Board Resolution Adopting Conservation Rebate Policy

RESOLUTION NO. 2312

MARCH 24, 2015

**A RESOLUTION OF THE COMMISSION OF
PUBLIC UTILITY DISTRICT NO. 1 OF BENTON COUNTY
ADOPTING THE DISTRICT CONSERVATION REBATE POLICY**

WHEREAS, Resolution No. 2048 was passed on September 8, 2009 authorizing establishment of an Energy Conservation Plan; AND

WHEREAS, The General Manager is authorized to enter into Bonneville Power Administration's Conservation Programs and other District determined programs financially beneficial to our service area as a means to achieve energy savings; AND

WHEREAS, Washington State Energy Independence Act (EIA), RCW 19.285 (Initiative 937) mandates that each qualifying utility pursue all available conservation that is cost-effective, reliable and feasible; AND

WHEREAS, District Commissioners set a biennial target every two years to meet the requirements of the EIA; AND

WHEREAS, District staff establish biennial conservation budgets to assure the targets are met; AND


WHEREAS, Conservation program offerings are managed to meet the biennial budget and funding may not be adequate to provide rebates for all customer requests; AND

WHEREAS, The District wishes to outline the policy by which it will provide conservation rebates in an equitable manner.

NOW, THEREFORE BE IT HEREBY RESOLVED By the Commission of the Public Utility District No. 1 of Benton County that the attached Conservation Rebate Policy be adopted.

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 24th day of March, 2015.

ATTEST:



Jeff Hall, Secretary



Barry Bush, Vice-President

Benton PUD Conservation Rebate Policy

The District offers conservation rebates to all customers in a variety of diverse offerings with the primary purpose of saving energy that will count towards the Energy Independence Act requirements and providing customers opportunities to save energy on their electric bill.

The following outlines the District's Conservation Rebate Policy:

1. Every odd year the Benton PUD Commission approves an Energy Independence Act (EIA) Conservation Biennial Target in an open public meeting to establish a two year conservation target. The target is determined by the District's Conservation Potential Assessment (CPA) or other accepted target setting requirements of the EIA.
2. Following CPA approval by Commission, staff will prepare and present a two year Conservation Budget Plan that allocates the estimated necessary budget amounts to each customer class to achieve the EIA Conservation Biennial Target.
3. The District may budget a larger portion of the Commission approved target for the first year of each biennium to mitigate risk of postponed or cancelled projects and to ensure the biennial target is reached.
4. The District will consider using BPA funds first, when available, followed by District self-funding.
5. Conservation program rebate offerings and the unit energy savings (UES) per measure are calculated by the entity responsible (Northwest Power and Conservation Council, Bonneville Power Administration (BPA), District, etc.) for establishing the energy savings values, but can change throughout the biennial period.
6. The District may allow for Conservation Smoothing which allows banking of achieved savings that exceed the biennial target by up to 50% and spreads the excess over the next two bienniums beginning January 1, 2014.
7. Applications for conservation rebates will be reviewed on a first come first served basis and once approved by District staff, will be disbursed upon installation or project completion. When all funding is allocated, customers will be advised funds are no longer available and they may request rebates for the following year subject to item numbers 8 and 9 below.
8. Any potential rebate to a customer in excess of \$100,000 must be presented to Commission for approval.
9. The Commission must approve any single customer request for a rebate that is greater than 50% of that customer class biennial budget or 50% of self-funding customer class biennial budget in the case of marijuana industry related rebate requests.

10. The Commission recognizes that large energy savings projects will be reviewed and discussed with District customers many months in advance to prepare for budgeting and project coordination and that some projects may take several years from beginning to end.
11. A baseline of energy consumption must be available for all customers requesting a rebate for new construction projects. If no baseline is available, supporting information will be required to satisfy documentation requirements for meeting EIA.
12. Any customer requesting conservation incentives related to the marijuana industry must be licensed with the State of Washington for legal marijuana activities. BPA conservation funds are not allowed for marijuana industry related rebates.
13. Distribution System Efficiency Savings programs may be funded via conservation funds from BPA, District Self-Funding, or through normal Engineering/Operations capital funding which is included in the District annual budget and approved by Commission as work orders.

MINUTES

PUBLIC UTILITY DISTRICT NO. 1 OF BENTON COUNTY REGULAR COMMISSION MEETING

Date: April 9, 2024

Time: 9:00 a.m.

Place: 2721 West 10th Avenue, Kennewick, Washington

Present: Commissioner Barry Bush, President
Commissioner Jeff Hall, Vice-President
Commissioner Lori Kays-Sanders, Secretary
General Manager Rick Dunn
Senior Director of Finance & Executive Administration Jon Meyer
Assistant General Manager/Sr. Director Engineering & Operations Steve Hunter
Director of Power Management Chris Johnson
Director of IT & Broadband Services Chris Folta
Director of Customer Service & Treasury Operations Keith Mercer
Supv. of Executive Administration/Clerk of the Board Cami McKenzie
Records Program Administrator II Nykki Drake
General Counsel Allyson Dahlhauser

Benton PUD employees present during all or a portion of the meeting, either in person or virtually: Manager of System Engineering Evan Edwards Manager of Customer Engagement Jenny Sparks; Manager of Customer Service Annette Cobb; Supervisor of Customer Service Kim Maki; Manager of Communications & Government Relations Jodi Henderson; Manager of Human Resources Karen Dunlap; Manager of Business Applications Jennifer Holbrook; Superintendent of Transportation & Distribution Robert Inman; Superintendent of Operations Duane Szendre; Supervisor of Energy Programs Robert Frost; Senior Engineer Power Management Blake Scherer; Manager of IT Infrastructure Duane Crum; Cyber Security Engineer III Paul Holgate; Manager of Accounting Kent Zirker; Levi Lanphear, Procurement Administrator.

Call to Order

Pledge of Allegiance

The Commission and those present recited the Pledge of Allegiance.

Agenda Review

General Manager Rick Dunn said that Consent Agenda Item “c” (Amending Merit-Based Salary Administration Plan) was updated with corrections to job titles included in the Exhibit.

Public Comment

None.

Exit Conference – 2023 Financial Audit with Moss Adams

Keith Simovic and Austin Damron, Moss Adams presented via/MS Teams the 2023 Financial Audit results and discussed the following:

- Services provided, including a report and technical review on financial statements; report of independent auditor on internal controls over financial reporting and compliance with government auditing standards; and communication with the governance board.
- Opinion/Reports provided:
 - Unmodified clean opinion on financial statements;
 - No findings and no material weaknesses

Treasurer’s Report

Keith Mercer, Director of Customer Service & Treasury Operations, reviewed the March 2024 Treasurer’s Report with the Commission as finalized on April 1, 2024.

Consent Agenda

MOTION: Commissioner Sanders moved to approve the Consent Agenda items “a” through “j”, with item “c” (Amending Merit-Based Salary Administration Plan – Resolution No. 2669) as amended. Commissioner Hall seconded and upon vote, the Commission unanimously approved the following:

- a. Regular Commission Meeting Minutes of March 26, 2024
- b. Travel Report dated April 9, 2024
- c. Amending Merit-Based Salary Administration Plan – Resolution No. 2669
- d. Vouchers (report dated April 9, 2024) 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 and approved as follows for payment:
Accounts Payable: Automated Clearing House (DD) Payments: 101958-102004 and 102158-102189 in the amount of \$2,070,769.46;
Checks & Customer Refund Payments (CHK): 87634-87702 in the amount of \$124,501.69;
Electronic Fund Transfer (WIRE) Payments: 6917-6929 in the amount of \$5,267,169.38;
Residential Conservation Rebates: Credits on Customer Accounts in the amount \$350.00;
Payroll: Direct Deposit – 03/28/2024: 102005-102157 in the amount \$424,890.23;
Voided checks (March, 2024) in the amount of \$174.19;
Grand total – \$7,887,680.66
- e. Blair Seven Properties Lots - Work Order 687891
- f. Equipment Surplus – Metalclad Switch Cabinets – Resolution No. 2668
- g. RingCentral, Inc. Change Order No. 1 – Contract #23-15-02

- h. CompuNet, Inc. Change Order No. 3 – Contract #22-15-01
- i. Contract Award for Janitorial Services to SealX, LLC – Contract #24-38-03
- j. Contract Award for Distribution Transformers to MVA Power, Inc. and General Pacific, Bid Package #24-21-05

Management Report

General Manager:

1. Reorganization effective April 8, 2024 – General Manager Rick Dunn updated the Commission on the new organizational structure in response to Melina Conover’s retirement: Keith Mercer promoted to Director of Customer Service & Treasury Operations; Jon Meyer as Senior Director of Finance & Executive Administration; and Cami McKenzie and her team reporting to General Manager. Additionally, General Manager announced Jennifer Holbrook has been promoted to Senior Manager of Applied Technology allowing the District to strategically focus on further convergence of Information Technology and Operational Technology.
2. RP3 (Reliable Public Power) – General Manager Dunn announced the District was awarded a diamond level designation by the American Public Power Association RP3 program for 2024-2027. The District achieved a perfect 100% score for the fourth consecutive time and is one of only six utilities in Oregon, Washington, and Idaho to achieve the diamond designation for high proficiency in reliability, safety, workforce development, and system improvement.
3. BPA Announces SPP Markets Plus Leaning – General Manager Dunn reported that BPA announced it is strongly leaning toward joining the SPP Markets+ day-ahead market and would issue a draft proposed decision in August and a final decision in late November.
4. B2H Transmission Line construction paused by BLM Cultural Studies Audit – General Manager Dunn stated that an Idaho Power representative reported at the PNUCC meeting the Boardman-to-Hemingway (B2H) transmission line project (in consideration since 2006) was delayed by four to six months by BLM requesting a cultural studies audit. The project, planned on a route between Boardman, Oregon and Boise, Idaho was supposed to break ground in early 2024. The Idaho Power spokesman expressed frustration that they had spent more than 90,000 hours on cultural review, and that after 18-years and \$200 million spent, construction of the project had still not started. General Manager reiterated how building wind and solar farms in remote states and then expecting to build countless transmission lines between rural and urban areas in a short time frame is a clean energy vision not grounded in reality.
5. PacifiCorp Updated IRP; extends coal power and scales back renewables – General Manager Dunn reported that PacifiCorp updated its 2023 integrated resource plan to extend the company’s coal power and scale back renewables by thousands of megawatts, delivering customers significant near-term cost savings and avoiding accelerated closures.
6. DOE Finalizes Transformer Efficiency Rule – General Manager Dunn stated that DOE finalized energy-efficiency standards for distribution transformers to provide an extra two years for compliance due to concerns about supply chain constraints.

7. TerraPower Applies for Demo Reactor Permit – General Manager Dunn reported that TerraPower applied for a Nuclear Regulatory Commission construction permit for their Kemmerer, Wyoming coal-replacement project, with plans to begin non-nuclear construction this summer and submit an operating license application in 2026.
8. Report calls LSRDs ‘Giant Methane Factories’ – General Manager Dunn said a report funded by an environmental group called “Tell The Dam Truth” which is funded by Patagonia made hyperbolic claims the four lower Snake River dams emit the equivalent of 1.8 million metric tons (MMT) of carbon dioxide each year, which is equivalent to burning 2 billion pounds of coal or driving 400,000 cars for a year. General Manager did not know the details of the study but reminded commissioners that Washington State emissions across all sectors of the economy are just over 90 MMT per year, and that the U.S. emits more than 5,000 MMT which is dwarfed by China with emissions that have risen to 12,000 MMT thanks to the construction of new coal fired power plants.
9. Other Headlines – General Manager Dunn reported on notable headlines in energy news.
10. Commissioner Cell Phone Stipends – General Manager Dunn said Commissioners are eligible for cell phone stipends and that staff would bring back a resolution for approval at the next meeting.

The Board briefly recessed, reconvening at 10:26 a.m.

Power Management:

1. BPA Post 2028 Tier 1 Allocation Errors/BPA Record of Decision – Director Chris Johnson reported the BPA Record of Decision Contract High Water Mark spreadsheet that was previously shared with commission last month has errors which BPA is aware of and plans to update. The current spreadsheet with these errors shows the District Provider of Choice CHWM at 212.3 aMW.
2. BPA Slice/Block Customer – Director Chris Johnson stated that BPA received three formal requests from Slice/Block customers to consider another product change opportunity under the Regional Dialog Power Sales Agreement. Slice/Block customers must submit requests to BPA by June 30, 2024. Once all customer requests are known, BPA will conduct an analysis and hold a public process similar to their prior product change opportunity which the District participated in for switching to the Load Following product. Assuming BPA approves these pending customer Load Following product changes, customers would switch products effective October 1, 2025 and would continue as Load Following and not be eligible to select Slice/Block for their initial product selection post 2028.

Business Agenda

Withdrawal of Precinct 6322 – Adopting New Commissioner District Boundaries – Resolution No. 2666

Cami McKenzie presented a resolution to withdraw Precinct 6322 and adopt new Commissioner district boundaries. In 2005 the District and City of Richland signed an agreement that defined the process for the City to acquire Benton PUD electrical facilities and per the Agreement, the

City notified the District of their desire to acquire the electrical facilities in Reata Ridge and Sunrise Ridge. The District held a public hearing in October of last year authorizing the surplus and sale of the assets to the City of Richland.

The transfer to the City of Richland took place on March 12, 2024 and the District no longer provides electric service to Precinct 6322, requiring the District to officially withdraw Precinct 6322.

MOTION: Commissioner Sanders moved to approve Resolution No. 2666, Withdrawal of Precinct 6322 and Adopting new Commissioner District Boundaries as presented. Commissioner Hall seconded, and upon vote, the motion carried unanimously.

Amending Retail Electric Rate Schedules – Resolution No. 2667

Sr. Director Jon Meyer presented a Resolution and the following Amended Retail Electric Rate Schedules, previously presented, and recommended to the Commission at the March 26, 2024 meeting:

- Rate Schedule 21 – Small General Service (SGS)
 - Implement a \$1.00 demand charge (currently there is no demand charge for SGS).
 - Decrease the energy rate from \$0.0630 to \$0.0592 per kWh
- Rate Schedule 22 – Medium General Service (MGS)
 - Implement a \$1.00 demand charge on the first 50 kW per month (currently there is no charge for the first 50 kW per month).
 - Decrease the energy rate from \$0.0548 to \$0.0533 per kWh
- Rate Schedule 23 – Large General Service (LGS)
 - Implement a \$1.00 demand charge on the first 50 kW per month (currently there is no charge for the first 50 kW per month).
 - Decrease the energy rate from \$0.0471 to \$0.0469 per kWh
- Rate Schedule 24 – Large General Service – Time-of-Use (LGS TOU)
 - Remove rate schedule and move customers to Rate Schedule 23.

The above changes would be effective for the usage in billing periods starting October 1, 2024 or after and reflected on bills issued in November, 2024. Additionally, once approved, staff will prepare a communication plan which will include several direct mailings to General Service customers as well as adding frequently asked questions and a rate comparison calculator to the District's website.

MOTION: Commissioner Hall moved to adopt Resolution No. 2667 amending Retail Electric Rate Schedules effective April 9, 2024 as presented. Commissioner Sanders seconded, and upon vote, the motion carried unanimously.

Setting Public Hearing – 2024-2043 Conservation Potential Assessment

Director Chris Johnson requested the Commission set a public hearing on the 2024-2043 Conservation Potential Assessment. He said the District previously adopted the 2024-2033 ten year cost effective resource conservation potential and 2024-25 biennial target on November 14, 2023, however the District was advised recently by EES Consulting who conducted the modeling for this target, that they had identified an error in their modeling assumptions. Their modeling did not include the 10% credit to conservation resources according to the Northwest Regional Power Act. All EES Consulting past models conducted since 2012 included this credit. The exclusion of this credit was an oversight by EES and was not something utility staff would have been able to verify/check. Benton PUD along with three other utilities were also affected. A request for an audit extension has been put into place with the State audit that just began and will resume after the Districts amended target is adopted.

MOTION: Commissioner Sanders moved to approve setting a Public Hearing for the purpose of reviewing the 2024 – 2043 Conservation Potential Assessment (CPA) and considering action on the District’s amended 2024 – 2033 Ten-Year Cost-Effective Conservation Potential and 2024 – 2025 biennial target for April 23, 2024 at 9:00 a.m., to be held at the District’s Administration Office located at 2721 West 10th Avenue, Kennewick, Washington, as well as via conference call at 1-323-553-2644, conference ID 730 736 298#, and directing the General Manger to publish the notice of the public hearing date, time and location as presented. Commissioner Hall seconded, and upon vote, the motion carried unanimously.

Other Business

The General Manager and Commission discussed the upcoming WPUDA and APPA annual meetings and who would be attending.

Executive Session – Potential Litigation

The Commission went into executive session at 10:40 a.m. with General Counsel Allyson Dahlhauser to discuss potential litigation for 10 minutes. Also present were Rick Dunn and Cami McKenzie. The Commission came out of executive session at 10:51 a.m. and announced it needed an additional four minutes. The Commission came out of executive session at 10:58 a.m. No decisions were made in executive session.

Adjournment

Hearing no objection, President Bush adjourned the meeting at 10:58 a.m.

Barry Bush, President

ATTEST:

Lori Kays-Sanders, Secretary

Periodic Travel Report - April 23, 2024

<i>Date Start</i>	<i>Business Days</i>	<i>Name</i>	<i>City</i>	<i>Purpose</i>
4/3/2024	1	Doug Dobrec	Otis Orchard, WA	GLOVES
4/22/2024	4	Duane Crum	Anchorage, AK	NWPPA IT CONFERENCE
4/22/2024	4	Paul Holgate	Anchorage, AK	NWPPA IT CONFERENCE
5/8/2024	2	Keith Mercer	Olympia, WA	WPUDA SPRING FINANCE OFFICERS MEETING
5/8/2024	2	Kent Zirker	Olympia, WA	WPUDA SPRING FINANCE OFFICERS MEETING
5/8/2024	2	Briana Herrington	Olympia, WA	WPUDA SPRING FINANCE OFFICERS MEETING



PAYMENT APPROVAL
April 23, 2024

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	102190 - 102412	102223 102446	1 - 4 4 - 7	\$ 2,980,974.95
Checks & Customer Refund Payments (CHK)	87703 - -	87760 -	8 - 11	
Electronic Fund Transfer (WIRE) Payments	6931 -	6942	12 - 14	\$ 603,029.38
Residential Conservation Rebates:				
Credits on Customer Accounts			15	\$ 150.00
Purchase Card Detail:			March 2024	16 - 27
Payroll:				
Direct Deposit - 4/11/2024	102224 - - -	102411		\$ 568,139.12
TOTAL				\$ 4,459,540.12
Void DD				\$ -
Void Checks		April 2024	8	\$ 800.27
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 Meyer _____ **4/15/2024**
 Jon L. Meyer, Auditor Date

Reviewed by:

Rick Dunn, General Manager

Approved by:

 Barry A. Bush, President

 Jeffrey D. Hall, Vice-President

 Lori Kays-Sanders, Secretary

04/15/2024 11:53:56 AM

Accounts Payable Check Register

Page 1

04/01/2024 To 04/14/2024

Bank Account: 1 - Benton PUD ACH/Wire

Check / Tran Date	Pmt Type	Vendor	Vendor Name	Reference	Amount
102190 4/3/24	DD	10993	ADAMS CABLE EQUIPMENT	Fuse Blk, 600V, Din Rail Mt	294.36
				Fuse Blk, 600V, Din Rail Mt	1,471.47
Total for Check/Tran - 102190:					1,765.83
102191 4/3/24	DD	963	ANIXTER INC.	AL 4/0 175 MIL EPR	142,023.76
				AL 4/0 175 MIL EPR	135,746.23
				CLAMPS 2 BOLT HL GA 113L	22,304.59
				CLAMPS 2 BOLT HL GA 103L	2,000.08
				PINS STEEL 6 1/2 SHANK #J204Z	363.06
				TERM,AL,WELDED,STRAIGHT MOUNT,	395.75
Total for Check/Tran - 102191:					302,833.47
102192 4/3/24	DD	811	ARAMARK UNIFORM SERVICES	Weekly Svc	31.72
				Weekly Svc	21.95
Total for Check/Tran - 102192:					53.67
102193 4/3/24	DD	10631	ARROW CONSTRUCTION SUPPLY, CO.	Cleaners	1,711.46
102194 4/3/24	DD	34	BENTON PUD-ADVANCE TRAVEL	WA Safety Directors/Managers Mtg	250.04
				Western Energy Institute	691.08
Total for Check/Tran - 102194:					941.12
102195 4/3/24	DD	3828	BORDER STATES INDUSTRIES, INC.	CLAMPS 2 BOLT HL GA 113L	2,089.00
102196 4/3/24	DD	10837	CAMPBELL & COMPANY SERVICE COR REEP		200.00
102197 4/3/24	DD	10150	ANNETTE L COBB	WPUDA Customer Service Mtg	488.77
102198 4/3/24	DD	10857	D&R INSULATION, LLC	REEP	2,736.00
102199 4/3/24	DD	10431	DANIELLE N DRAKE	WA Municipal Clerks Assoc Conf	152.09
102200 4/3/24	DD	2990	KAREN M DUNLAP	EIAC Mtg / WPUDA Human Resource Mtg	777.44
102201 4/3/24	DD	79	GENERAL PACIFIC, INC.	Tubing, Bus Bar, Heat Shrink	8,076.52
				Standoff brackets, # W1010-15-HG	4,620.84
				Tubing, heat shrink, Raychem #	2,536.08

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Bank Account: 1 - Benton PUD ACH/Wire

Check / Tran Date	Pmt Type	Vendor	Vendor Name	Reference	Amount
Total for Check/Tran - 102201:					15,233.44
102202 4/3/24	DD	10126	KATLIN M GRANDGEORGE	WA State Construction Safety Days	551.05
102203 4/3/24	DD	2563	KIMBERLEE R MAKI	WPUDA Customer Service Mtg	98.83
102204 4/3/24	DD	1098	MARSH USA INC.	Railroad Protective 4/24-4/25	3,000.00
102205 4/3/24	DD	3878	MILSOFT UTILITY SOLUTIONS, INC.	WindMil Maintenance	12,554.85
102206 4/3/24	DD	3343	MOSS ADAMS, LLP	Auditing Svc	33,775.00
102207 4/3/24	DD	919	NOANET	Brinkly Dark Fiber Outage MacDonald Miller Prior Build	2,291.92 2,647.87 1,500.00
Total for Check/Tran - 102207:					6,439.79
102208 4/3/24	DD	11050	NORTHSTAR DISTRIBUTION, INC.	WIL Drive REACH Overland	10,290.66
102209 4/3/24	DD	11053	OBNEX TECHNOLOGIES AB	Software License/Subscriptions Software License/Subscriptions	-769.43 9,613.43
Total for Check/Tran - 102209:					8,844.00
102210 4/3/24	DD	2671	JAMIE-MARIE K OCAMPO-GUEL	Notary Renewal	154.75
102211 4/3/24	DD	2176	PACIFIC OFFICE AUTOMATION, INC.	Monthly Billing Monthly Billing	520.95 26.53
Total for Check/Tran - 102211:					547.48
102212 4/3/24	DD	1241	PARAMOUNT COMMUNICATIONS, INC.	Historic Downtown Kennewick 20 - Off-the-Dock Labor Whitcomb Substation 20 - Off-the-Dock Labor Paterson Substation 20 - Off-the-Dock Labor CRAN 002 CRAN 002	352.08 1,944.01 86.48 3,098.41 1,002.09 23,209.20 939.17 108.70

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Bank Account: 1 - Benton PUD ACH/Wire

Check / Tran Date	Pmt Type	Vendor	Vendor Name	Reference	Amount
				20 - Off-the-Dock Labor	23,559.79
Total for Check/Tran - 102212:					54,299.93
102213 4/3/24	DD	10936	MICHAEL J PRAEST	Spaw/Phillip Lay Down Yard Lease	500.00
102214 4/3/24	DD	10718	PUBLIC UTILITY DIST PEND ORIELLE	CWPU UIP Expenses	1,887.06
102215 4/3/24	DD	10212	QCL, INC.	Drug Screening	78.00
102216 4/3/24	DD	821	SCHWEITZER ENGINEERING LABORAT	SEL-2411 PAC	3,925.39
				SEL-2411 PAC	15,701.54
				SEL 7XX OUTDOOR ENCLOSURE KIT	778.29
				SEL 7XX OUTDOOR ENCLOSURE KIT	3,113.17
Total for Check/Tran - 102216:					23,518.39
102217 4/3/24	DD	10894	TRAVIS G SCOTT	CDL License Endorsement	102.00
102218 4/3/24	DD	396	SD MYERS, LLC	Gas/Oil Testing	46.00
				Gas/Oil Testing	106.00
Total for Check/Tran - 102218:					152.00
102219 4/3/24	DD	2154	SENSUS USA, INC.	2024 TGB Upgrades	123,092.98
102220 4/3/24	DD	10489	STATES MANUFACTURING CORPORA	Metalclad Vista Bay	198,377.50
102221 4/3/24	DD	10981	TIKKA MASONRY, INC.	Vista Substation Wall	13,000.00
				Vista Substation Wall	5,283.40
Total for Check/Tran - 102221:					18,283.40
102222 4/3/24	DD	1163	TYNDALE ENTERPRISES, INC.	Clothing-Follett	1,242.99
102223 4/3/24	DD	3098	US BANK CORPORATE PAYMENT SYST	Operations - Line Department	17.36
				Executive	7,888.26
				Finance & Business Services	1,280.57
				Customer Service	457.78
				Contracts & Purchasing	1,202.41
				Engineering	3,322.10

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Bank Account: 1 - Benton PUD ACH/Wire

Check / Tran Date	Pmt Type	Vendor	Vendor Name	Reference	Amount	
				IT Infrastructure	13,561.54	
				Operations	4,428.56	
				Operations - Meter Shop	3,354.69	
				Operations - Transformer Shop	1,136.00	
				Operations - Support Svcs	4,875.25	
				Operations - Maintenance	9,758.31	
				Operations - (Support Svcs. Fleet)	9,975.48	
				Operations - Warehouse	15,135.41	
				Prosser	42.38	
				Power Management	6,251.73	
				Storm Card #10	144.03	
				Travel Card	8,964.62	
				Total for Check/Tran - 102223:	91,796.48	
102412	4/10/24	DD	10336	3DEGREES GROUP, INC.	REC Compliance 2023	135,741.30
102413	4/10/24	DD	963	ANIXTER INC.	Transformer, 50 kVA single pha ANC ROD TWIN EYE 1 X 10 Cable	13,320.10 2,893.81 224,309.84
					Total for Check/Tran - 102413:	240,523.75
102414	4/10/24	DD	811	ARAMARK UNIFORM SERVICES	Weekly Svc Weekly Svc Weekly Svc Weekly Svc Weekly Svc	44.29 44.01 30.55 31.72 21.95
					Total for Check/Tran - 102414:	172.52
102415	4/10/24	DD	3356	BMC SOFTWARE, INC.	Software Support/Maintenance	10,889.35
102416	4/10/24	DD	1810	CARLSON SALES METERING SOLUTIO	Transformers	24,227.06
102417	4/10/24	DD	10857	D&R INSULATION, LLC	REEP	1,842.00
102418	4/10/24	DD	3029	DELTA HEATING & COOLING, INC.	REEP	1,000.00

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Bank Account: 1 - Benton PUD ACH/Wire

Check / Tran Date	Pmt Type	Vendor	Vendor Name	Reference	Amount
				REEP	800.00
Total for Check/Tran - 102418:					1,800.00
102419 4/10/24	DD	3439	DJ'S ELECTRICAL, INC.	Spaw Philips Transmission	666,154.35
				Spaw Phillips Transmission	307,066.08
				Deschutes Ave OH to UG	18,469.94
Total for Check/Tran - 102419:					991,690.37
102420 4/10/24	DD	226	DOBLE ENGINEERING CO	Recertification	2,760.98
102421 4/10/24	DD	10978	EMPIRE WELL DRILLING, LLC	Vista Sub - Grounding Wells	2,000.00
				Vista Sub - Grounding Wells	3,200.00
Total for Check/Tran - 102421:					5,200.00
102422 4/10/24	DD	2675	G&W ELECTRIC COMPANY	Recloser, Line, 800 Amp, 15kV,	31,404.52
				Recloser, Line, 800 Amp, 15kV,	-28.89
Total for Check/Tran - 102422:					31,375.63
102423 4/10/24	DD	11048	GLOBAL SAFETY NETWORK	Background Screening Svc	263.35
102424 4/10/24	DD	724	HERITAGE PROFESSIONAL LANDSCAP	Landscape Svc	1,771.11
				Landscape Svc	274.54
				Landscape Svc	305.92
				Landscape Svc	373.06
				Landscape Svc	1,130.33
				Landscape Svc	331.40
				Landscape Svc	973.22
				Landscape Svc	411.50
Total for Check/Tran - 102424:					5,571.08
102425 4/10/24	DD	374	HOWARD INDUSTRIES, INC.	transformers	9,897.14
102426 4/10/24	DD	3018	HRA VEBA TRUST	ER VEBA CDHP	1,458.40
				ER VEBA	10,900.00
				ER VEBA Wellness	21,450.00
Total for Check/Tran - 102426:					33,808.40

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Bank Account: 1 - Benton PUD ACH/Wire

Check / Tran Date	Pmt Type	Vendor	Vendor Name	Reference	Amount
102427 4/10/24	DD	1818	IBEW LOCAL 77	IBEW A Dues Assessment IBEW BA Dues Assessment	5,165.04 5,641.26
Total for Check/Tran - 102427:					10,806.30
102428 4/10/24	DD	10660	IRBY ELECTRICAL UTILITIES	FUSE ELF 30 AMP, Cooper	5,853.50
102429 4/10/24	DD	214	JACOBS & RHODES	REEP REEP	200.00 6,000.00
Total for Check/Tran - 102429:					6,200.00
102430 4/10/24	DD	103	KENNEWICK, CITY OF	Occupation Tax	450,255.18
102431 4/10/24	DD	106	LAMPSON INTERNATIONAL, LLC	Move Mobile Sub-Hedges/Ely Move Transformer - Ely Sub Move Transformer	2,869.68 10,424.33 14,285.42
Total for Check/Tran - 102431:					27,579.43
102432 4/10/24	DD	10162	LINGUISTICA INTERNATIONAL, INC.	Intrepreting Svc	18.70
102433 4/10/24	DD	950	MSA VEBA TRUST	VEBA PL Cash Out	40,731.92
102434 4/10/24	DD	919	NOANET	Badger Rd	1,378.53
102435 4/10/24	DD	10769	ONEBRIDGE BENEFITS INC.	Flex Spending Dependent Care Flex Spending Health Care	192.31 2,599.55
Total for Check/Tran - 102435:					2,791.86
102436 4/10/24	DD	123	PACIFIC NW UTILITIES CONFERENCE	2024 Outreach Contract	3,750.00
102437 4/10/24	DD	2176	PACIFIC OFFICE AUTOMATION, INC.	Monthly Billing	40.08
102438 4/10/24	DD	1161	PRINT PLUS	Rack Cards	41.03
102439 4/10/24	DD	10894	TRAVIS G SCOTT	Safety & Health Rulemaking	18.00
102440 4/10/24	DD	396	SD MYERS, LLC	Gas/Oil Testing	102.00
102441 4/10/24	DD	10943	SEALX, LLC	Janitorial Svc	4,233.53

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Bank Account: 1 - Benton PUD ACH/Wire

Check / Tran Date	Pmt Type	Vendor	Vendor Name	Reference	Amount
				Janitorial Svc	2,659.41
				Janitorial Svc	1,653.42
Total for Check/Tran - 102441:					8,546.36
102442	4/10/24	DD 149	SMITH INSULATION, INC.	REEP	1,310.40
102443	4/10/24	DD 3696	SUMMIT LAW GROUP, PLLC	Professional Svc	1,580.00
102444	4/10/24	DD 158	TRIDEC	Association Dues	5,000.00
102445	4/10/24	DD 1163	TYNDALE ENTERPRISES, INC.	Clothing-Diaz	274.57
102446	4/10/24	DD 1048	UNITED WAY OF BENTON & FRANKL	EE United Way Contribution	364.73
Total Payments for Payment Type - DD:					(69) 2,980,974.95
Total Voids for Payment Type - DD:					(0) 0.00
Total for Payment Type - DD:					(69) 2,980,974.95
Total Payments for Bank Account - 1 :					(69) 2,980,974.95
Total Voids for Bank Account - 1 :					(0) 0.00
Total for Bank Account - 1 :					(69) 2,980,974.95

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Bank Account: 2 - BPUD Accounts Payable Warrants

Check / Tran Date	Pmt Type	Vendor	Vendor Name	Reference	Amount
87350 12/27/23	CHK	99999	BOUAKHAO P RICE	Credit Balance Refund	125.00 VOID
87353 12/27/23	CHK	99999	KENNETH E SAVAGE	Credit Balance Refund	174.89 VOID
87391 1/3/24	CHK	99999	ERIKA NYBERG	Credit Balance Refund	80.66 VOID
87421 1/9/24	CHK	99999	PAUL D TODD	Credit Balance Refund	419.72 VOID
87703 4/3/24	CHK	19	AMERICAN PUBLIC POWER ASSOC.	Annual Dues	51,279.91
87704 4/3/24	CHK	39	BENTON COUNTY	Easement 697971	305.50
				Easement 699907	305.50
				QCD	304.50
Total for Check/Tran - 87704:					915.50
87705 4/3/24	CHK	39	BENTON COUNTY	GIS Prints	37.00
				Property Tax	2,285.02
Total for Check/Tran - 87705:					2,322.02
87706 4/3/24	CHK	259	BENTON FRANKLIN COMMUNITY ACT	Helping Hands	2,786.57
87707 4/3/24	CHK	35	BENTON PUD - CUSTOMER ACCOUNT	Monthly Billing	340.59
87708 4/3/24	CHK	3344	BOYD'S TREE SERVICE, LLC	Tree Trimming Svc	6,844.94
				Tree Trimming Svc	6,616.94
Total for Check/Tran - 87708:					13,461.88
87709 4/3/24	CHK	1965	CITY OF UMATILLA	Lease Payment	3,402.30
87710 4/3/24	CHK	459	COLUMBIA MALL PARTNERSHIP	gift Cards - Employee Incentive Prg	335.40
87711 4/3/24	CHK	2831	CORRECTIONAL INDUSTRIES	Office Chair	461.98
87712 4/3/24	CHK	243	FEDERAL EXPRESS CORP	Mailing Svc	23.29
				Mailing Svc	98.23
Total for Check/Tran - 87712:					121.52
87713 4/3/24	CHK	3478	FP MAILING SOLUTIONS	Postage Meter Deposit - 4	1,000.00

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Bank Account: 2 - BPUD Accounts Payable Warrants

Check / Tran Date	Pmt Type	Vendor	Vendor Name	Reference	Amount
87714 4/3/24	CHK	193	UNITED PARCEL SERVICE OF AMERIC	Mailing Svc	35.53
87715 4/3/24	CHK	992	VERIZON NORTHWEST	Monthly Billing	2,161.10
				Monthly Billing	226.95
				Monthly Billing	356.93
				Monthly Billing	360.09
				Monthly Billing	116.94
				Monthly Billing	124.30
				Monthly Billing	191.57
				Monthly Billing	319.38
Total for Check/Tran - 87715:					3,857.26
87716 4/3/24	CHK	170	WASH STATE DEPT LABOR & INDUST	1st Qtr Ending	68,845.13
87717 4/3/24	CHK	99999	SEAN BIRDINE	Credit Balance Refund	160.87
87718 4/3/24	CHK	99999	JOSEPH GALLEGOS JR	Credit Balance Refund	193.08
87719 4/3/24	CHK	99999	BRISEIDA HERNANDEZ	Credit Balance Refund	125.85
87720 4/3/24	CHK	99999	ROBERTO HUELGA	Credit Balance Refund	203.00
87721 4/3/24	CHK	99999	JOSHUA W KRAMAR	Credit Balance Refund	216.85
87722 4/3/24	CHK	99999	LEXINGTON HOMES - DRH LLC	Credit Balance Refund	189.44
87723 4/3/24	CHK	99999	WANDA MANN	Credit Balance Refund	17.31
87724 4/3/24	CHK	99999	ANDREA MARTINEZ	Credit Balance Refund	14.70
87725 4/3/24	CHK	99999	LIZBETH MUNGUIA	Credit Balance Refund	113.90
87726 4/3/24	CHK	99999	ERIKA NYBERG	Credit Balance Refund	80.66
87727 4/3/24	CHK	99999	BOUAKHAO P RICE	Credit Balance Refund	125.00
87728 4/3/24	CHK	99999	ISRAEL RIVERA	Credit Balance Refund	320.70

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Bank Account: 2 - BPUD Accounts Payable Warrants

Check / Tran Date	Pmt Type	Vendor	Vendor Name	Reference	Amount
87729 4/3/24	CHK	99999	KENNETH E SAVAGE	Credit Balance Refund	174.89
87730 4/3/24	CHK	99999	CARLA TODD J THE ESTATE OF	Credit Balance Refund	419.72
87731 4/3/24	CHK	99999	ANTONIO J VARGAS SR	Credit Balance Refund	367.04
87732 4/10/24	CHK	259	BENTON FRANKLIN COMMUNITY ACT	REEP	7,500.00
87733 4/10/24	CHK	3344	BOYD'S TREE SERVICE, LLC	Tree Trimming Svc Tree Trimming Svc	6,673.84 6,616.94
Total for Check/Tran - 87733:					13,290.78
87734 4/10/24	CHK	11026	CHUKAR CHERRIES	Industrial Energy Efficiency Prg	2,517.43
87735 4/10/24	CHK	32	CITY OF BENTON CITY	Occupation Tax	13,820.19
87736 4/10/24	CHK	243	FEDERAL EXPRESS CORP	Mailing Svc	45.50
87737 4/10/24	CHK	3478	FP MAILING SOLUTIONS	Postage Meter	84.79
87738 4/10/24	CHK	10899	LINEAGE LOGISTICS HOLDINGS, LLC	Industrial Energy Efficiency Prg	15,849.93
87739 4/10/24	CHK	10954	MILLERS ELECTRIC SERVICE, LLC	Remove/Replace Meter	1,997.40
87740 4/10/24	CHK	962	PACIFIC POWER	Monthly Billing	499.30
87741 4/10/24	CHK	3054	PROFESSIONAL CREDIT SERVICE (PCS)	Collection Svc Collection Svc	29.26 87.78
Total for Check/Tran - 87741:					117.04
87742 4/10/24	CHK	135	PROSSER, CITY OF	Monthly Billing Monthly Billing Monthly Billing Occupation Tax	1.34 12.50 1,066.01 36,296.37
Total for Check/Tran - 87742:					37,376.22
87743 4/10/24	CHK	141	RICHLAND, CITY OF	Occupation Tax	1,377.51
87744 4/10/24	CHK	2313	TREE TOP, INC	Industrial Energy Efficiency Prg	32,062.80

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Bank Account: 2 - BPUD Accounts Payable Warrants

Check / Tran Date	Pmt Type	Vendor	Vendor Name	Reference	Amount
87745 4/10/24	CHK	193	UNITED PARCEL SERVICE OF AMERIC	Mailing Svc	35.74
87746 4/10/24	CHK	10990	WASH STATE EMPLOYMENT SECURIT	1st Qtr Ending 03/31/24	9,572.78
87747 4/10/24	CHK	174	WASH STATE EMPLOYMENT SECURIT	1st Qtr Ending	14,112.17
87748 4/10/24	CHK	10649	ZIPLY FIBER	Monthly Billing	2,851.66
87749 4/10/24	CHK	99999	KENNETH D BEHREND S	Credit Balance Refund	95.97
87750 4/10/24	CHK	99999	DUSTIN CARNLINE	Credit Balance Refund	65.87
87751 4/10/24	CHK	99999	ROSALIO DE LEON	Credit Balance Refund	25.92
87752 4/10/24	CHK	99999	ALEJANDRA ESTRADA	Credit Balance Refund	16.00
87753 4/10/24	CHK	99999	DENISA HADZOVIC	Credit Balance Refund	30.16
87754 4/10/24	CHK	99999	CLARENCE C HAMMACK	Credit Balance Refund	211.60
87755 4/10/24	CHK	99999	HAROLD E HARVILL	Credit Balance Refund	135.88
87756 4/10/24	CHK	99999	SHELLY HUDSON	Credit Balance Refund	470.79
87757 4/10/24	CHK	99999	NICOLE L RAINSBERRY	Credit Balance Refund	79.08
87758 4/10/24	CHK	99999	LINDA RODRIGUEZ	Reimbursement - Trenching	1,000.00
87759 4/10/24	CHK	99999	LOUIS SCHAEFER	Credit Balance Refund	90.71
87760 4/10/24	CHK	99999	TREVOR SCHAFFNER	Credit Balance Refund	24.85

Total Payments for Payment Type - CHK:	(58)	307,246.67
Total Voids for Payment Type - CHK:	(4)	800.27
Total for Payment Type - CHK:	(62)	308,046.94

Total Payments for Bank Account - 2 :	(58)	307,246.67
Total Voids for Bank Account - 2 :	(4)	800.27

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Bank Account: 1 - Benton PUD ACH/Wire

Check / Tran Date	Pmt Type	Vendor	Vendor Name	Reference	Amount
6931 4/1/24	WIRE	1567	ICMA RETIREMENT CORP	457(b) Leave EE Contribution	1,522.78
				457(b) Roth EE Contribution	13,017.04
				ER Def Comp 401	16,550.89
				ER Def Comp 457	2,542.08
				Plan A 457(b) Employee Contribution	5,183.32
				Plan B 457(b) Employee Contribution	22,167.24
				Plan C 401(a) Option 1 EE Contribution	3,366.74
				Plan C 401(a) Option 2 EE Contribution	1,790.53
				Plan C 401(a) Option 3 EE Contribution	538.13
				Plan C 401(a) Option 4, Step 2 EE Contri	1,175.77
				Plan C 401(a) Option 4, Step 3 EE Contri	1,410.32
				Plan C 401(a) Option 4, Step 4 EE Contri	1,540.20
				Plan C 401(a) Option 5, Step 4 EE Contri	1,310.80
				Plan C 457(b) Employee Contribution	7,875.22
				457 EE Loan Repayment #1	3,189.94
Total for Check/Tran - 6931:					83,181.00
6932 4/4/24	WIRE	169	ENERGY NORTHWEST	Purchased Power	40,047.83
				Fiber Lease	443.49
Total for Check/Tran - 6932:					40,491.32
6933 4/5/24	WIRE	925	KLICKITAT COUNTY PUD	White Creek Transmission	4,032.51
6937 4/12/24	WIRE	1567	ICMA RETIREMENT CORP	457(b) Roth EE Contribution	15,076.54
				457(b) Leave EE Contribution	6,355.91
				457(b) Roth EE Contribution	13,690.13
				ER Def Comp 401	17,200.96
				ER Def Comp 457	2,584.82
				Plan A 457(b) Employee Contribution	5,294.75
				Plan B 457(b) Employee Contribution	23,460.41
				Plan C 401(a) Option 1 EE Contribution	3,496.08
				Plan C 401(a) Option 2 EE Contribution	1,848.99

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Bank Account: 1 - Benton PUD ACH/Wire

Check / Tran Date	Pmt Type	Vendor	Vendor Name	Reference	Amount
				Plan C 401(a) Option 3 EE Contribution	556.97
				Plan C 401(a) Option 4, Step 2 EE Contri	1,207.72
				Plan C 401(a) Option 4, Step 3 EE Contri	1,453.42
				Plan C 401(a) Option 4, Step 4 EE Contri	1,606.65
				Plan C 401(a) Option 5, Step 4 EE Contri	1,307.96
				Plan C 457(b) Employee Contribution	7,846.85
				457 EE Loan Repayment #1	3,544.67
				Total for Check/Tran - 6937:	106,532.83
6938 4/11/24	WIRE	2205	UNITED STATES TREASURY	Federal Income Tax	72,378.86
				Medicare - Employee	9,949.46
				Medicare - Employer	9,949.46
				Social Security - Employee	42,542.28
				Social Security - Employer	42,542.28
				Total for Check/Tran - 6938:	177,362.34
6939 4/11/24	WIRE	171	WASH STATE DEPT RETIREMENT SYS	ER PERS	62,616.73
				PERS Plan 2	38,943.59
				PERS Plan 3A 5% All Ages	1,164.73
				PERS Plan 3B 5% Up to Age 35	119.54
				PERS Plan 3B 6% Age 35-45	135.48
				PERS Plan 3E 10% All Ages	1,352.45
				PERS Plan 3F 15% All Ages	489.11
				Total for Check/Tran - 6939:	104,821.63
6940 4/11/24	WIRE	437	WASH STATE DEPT SUPPORT REGIST	Garnishment - Child Support	301.98
6941 4/11/24	WIRE	2205	UNITED STATES TREASURY	Federal Income Tax	50,855.48
				Medicare - Employee	3,351.80
				Medicare - Employer	3,351.80
				Social Security - Employee	14,331.99
				Social Security - Employer	14,331.99
				Total for Check/Tran - 6941:	86,223.06

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Accounts Payable Check Register

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Bank Account: 1 - Benton PUD ACH/Wire

Check / Tran Date	Pmt Type	Vendor	Vendor Name	Reference	Amount
6942 4/12/24	WIRE	171	WASH STATE DEPT RETIREMENT SYS	Old Age Survivors Insurance	82.71
Total Payments for Payment Type - WIRE:					(9) 603,029.38
Total Voids for Payment Type - WIRE:					(0) 0.00
Total for Payment Type - WIRE:					(9) 603,029.38
Total Payments for Bank Account - 1 :					(9) 603,029.38
Total Voids for Bank Account - 1 :					(0) 0.00
Total for Bank Account - 1 :					(9) 603,029.38
Grand Total for Payments :					(9) 603,029.38
Grand Total for Voids :					(0) 0.00
Grand Total :					(9) 603,029.38



BENTON PUD - RESIDENTIAL CONSERVATION REBATE DETAIL

<u>Date</u>	<u>Customer</u>	<u>Rebate Amount</u>	<u>Rebate Description</u>
04/03/2024	MARY J RAMOS	\$ 30.00	Rebate - Clothes Washer
04/03/2024	KACI R PECK	\$ 100.00	Rebate - Smart Thermostat
04/04/2024	STEVEN A TUCKER	\$ 20.00	Rebate - Level 2 EV Charger

\$ 150.00

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ACCOUNTS PAYABLE CC/E-PAYMENT CHARGES

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CC/E-Payment Vendor: 3098 - US BANK CORPORATE PAYMENT SYSTEM

Tran	Date	Recon ID	Type	Credit Card/E-Payment	Vendor	Vendor Name	Merchant	Merchant Name	Reference	Amount
948	03/07/2024	719	Credit Card	17 - Contracts & Purchasing	3213	LANPHEAR, JUSTIN L	3213	VARIDESK* 1800 207 2	Stand up desk for Mary Meye	346.48
	03/11/2024	719					3213	ODP BUS SOL LLC # 10	Office Furniture VanFosson	227.51
	02/15/2024	719					3213	MCCLATCHY ADVERT	Call for Bids	109.02
	03/06/2024	719					3213	NATIONAL INSTITUTE	NIGP Membership - Brown	385.00
	02/22/2024	719					3213	MCCLATCHY ADVERT	Legal Ads	134.40
Total for Tran-948:										1,202.41
949	02/25/2024	715	Credit Card	32 - Operations - Line Depart	2642	KNIGHT, GAYLE R	2642	LEPREKON HARVEST	Batteries for Prosser	17.36
Total for Tran-949:										17.36
950	03/11/2024	731	Credit Card	ST10 - Storm Card #10	1654	CRAMER, BRIAN M	1654	CIRCLE K # 06031	Fuel	74.78
	03/01/2024	731					1654	76 - DALLAS RD 76	Fuel	69.25
Total for Tran-950:										144.03
951	03/18/2024	727	Credit Card	37 - Operations - (Support Sv	2026	KINTZLEY, ROY D	2026	O'REILLY 3630	credit, core returns	-65.22
							2026	PASCO A-PTS 0027915	credit, core returns	-107.61
							2026	PASCO A-PTS 0027915	credit, core return	-39.13
Total for Tran - 951:										-211.96
952	02/16/2024	720	Credit Card	21 - Engineering	3880	WEBB, BRENDA R	3880	ODP BUS SOL LLC # 10	3B CR2 Lithium batteries	15.50
	02/16/2024	720					3880	AMZN MKTP US*R19O	Portfolio binder, office suppli	75.66
	03/12/2024	720					3880	P3MC/GIGANTIC COL	OH Conductor Manual	242.05
	02/15/2024	720					3880	TIMBER PRODUCTS IN	Pole testing (Inv#601330)	831.47
	02/16/2024	720					3880	ODP BUS SOL LLC # 10	1.5V Alkaline batteries	8.14
	03/07/2024	720					3880	NFPA NATL FIRE PRO	NFPA 70 NEC Handbook w/t	324.33
	02/29/2024	720					3880	IEEE CB CONFERENCE	Edwards-IEEE PES T&D Co	595.00
	02/16/2024	720					3880	ODP BUS SOL LLC # 10	Clipboards,protractors,marker	60.00
	02/16/2024	720					3880	ODP BUS SOL LLC # 10	2024 Wall Calendar	27.16
	02/20/2024	720					3880	NWPPA	VanFosson-NWPPA E&O Re	775.00
	03/01/2024	720					3880	AMZN MKTP US*RZ1O	Plotter paper,2 rolls 36"X500'	114.79
	02/29/2024	720					3880	IEEE PRODUCTS & SE	Edwards-IEEE M'ship Renew	253.00
Total for Tran-952:										3,322.10

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CC/E-Payment Vendor: 3098 - US BANK CORPORATE PAYMENT SYSTEM

Tran	Date	Recon ID	Type	Credit Card/E-Payment	Vendor	Vendor Name	Merchant	Merchant Name	Reference	Amount
953	03/01/2024	727	Credit Card	37 - Operations - (Support Sv	2026	KINTZLEY, ROY D	2026	PASCO A-PTS 0027915	#204, oil filter	4.80
	03/01/2024	727					2026	RDOAG PAS 010262	TR1159, filters	127.62
	03/01/2024	727					2026	JIMS PACIFIC GARAGE	#166, coolant hoses	113.69
	03/01/2024	727					2026	JIMS PACIFIC GARAGE	#137, exhaust clamp & shield	81.94
	03/13/2024	727					2026	O'REILLY 3630	#213, brake sensor	8.69
	03/13/2024	727					2026	TRAFFIC JAMS LLC	#145, 1 pair door speakers	65.21
	03/01/2024	727					2026	RWC PENDLETON 114	#149, switch housing	609.67
	03/01/2024	727					2026	O'REILLY 3630	#149, toggle switch	8.69
	03/01/2024	727					2026	O'REILLY 3630	#154, brake calipers	184.75
	03/07/2024	727					2026	PASCO A-PTS 0027915	#73, air filter	44.51
	03/06/2024	727					2026	CORWIN FORD TRI-CI	#188, hose & sensor	271.91
	03/13/2024	727					2026	O'REILLY 3630	#213, rear shocks	131.35
	03/13/2024	727					2026	ALTEC INDUSTRIES, I	#90, rocker switch	154.61
	03/01/2024	727					2026	PASCO A-PTS 0027915	#90, rocker switch	24.60
	03/01/2024	727					2026	PASCO A-PTS 0027915	TR1159, filter	18.63
	03/01/2024	727					2026	AMZN MKTP US*RZ7C	Tool, grease gun hose	35.22
	03/07/2024	727					2026	PASCO A-PTS 0027915	filters, wiper blades & bulbs	314.37
	03/05/2024	727					2026	O'REILLY 3630	motor oil	27.15
	03/07/2024	727					2026	LAWSON PRODUCTS	JIC adapters, drill bits & scre	535.54
	03/01/2024	727					2026	RWC PENDLETON 114	#149, led lights	832.32
	03/05/2024	727					2026	PASCO A-PTS 0027915	#165, filter	31.77
	03/11/2024	727					2026	RWC PENDLETON 114	#149, pressure switch	57.02
	03/01/2024	727					2026	PASCO A-PTS 0027915	filters , safety gloves & wiper	332.51
	03/14/2024	727					2026	O'REILLY 3630	#158, headlight harness	12.35
	03/01/2024	727					2026	O'REILLY 3630	#154, brake pads & rotors	304.34
	03/01/2024	727					2026	PASCO TIRE FACTORY	TR1154, tires	281.45
	03/01/2024	727					2026	VERSALIFT NORTHWE	#184, bucket cover	216.74
	03/14/2024	727					2026	ALTEC INDUSTRIES, I	#189, repair kit for valve	458.26
	03/01/2024	727					2026	CORWIN FORD TRI-CI	#175, fuel wire harness	92.93
	03/06/2024	727					2026	CORWIN FORD TRI-CI	#184, air flow sensor	159.95
	03/13/2024	727					2026	O'REILLY 3630	#213, brake pads	45.66
	03/01/2024	727					2026	AMZN MKTP US*RZ1A	tool, grease gun handle	33.57
	03/01/2024	727					2026	CORWIN FORD TRI-CI	#198, tax	6.66
	03/06/2024	727					2026	JIMS PACIFIC GARAGE	#167, coolant hoses	113.69
	03/06/2024	727					2026	RWC PENDLETON 114	#149, air switch	408.59

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**ACCOUNTS PAYABLE
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CC/E-Payment Vendor: 3098 - US BANK CORPORATE PAYMENT SYSTEM

Tran	Date	Recon ID	Type	Credit Card/E-Payment	Vendor	Vendor Name	Merchant	Merchant Name	Reference	Amount
	03/01/2024	727					2026	AFFORDABLE WINDS	#132, windshield	419.86
	03/01/2024	727					2026	PASCO A-PTS 0027915	filters, wiperblades & batterie	964.36
	03/06/2024	727					2026	CORWIN FORD TRI-CI	#188, air flow sensor	159.95
	03/05/2024	727					2026	CORWIN FORD TRI-CI	#160, blend motor	27.00
	03/01/2024	727					2026	AMZN MKTP US*RW8	#185, jumper cable connector	60.86
	03/07/2024	727					2026	AUTOBAHN AUTO CA	car washes	42.00
	03/01/2024	727					2026	PASCO A-PTS 0027915	#204, light bulbs	22.35
	03/07/2024	727					2026	RWC PENDLETON 114	#73, water pump	503.79
	03/01/2024	727					2026	PASCO A-PTS 0027915	#174, hood support	114.18
	03/12/2024	727					2026	STAR RENTALS PASC	switch, valve & dip stick	83.48
	03/13/2024	727					2026	ALTEC INDUSTRIES, I	#90, boom sealing kit	261.01
	03/01/2024	727					2026	PAPE MATERIAL HAN	#139, hyd cyl repair kit	295.39
	03/01/2024	727					2026	O'REILLY 3630	#132, diesel additive	67.38
	03/13/2024	727					2026	PASCO A-PTS 0027915	filters, def & wiper blades	243.32
	03/01/2024	727					2026	ALTEC INDUSTRIES, I	#90, rocker switches	161.10
	03/01/2024	727					2026	PASCO A-PTS 0027915	filters & wiperblades	197.99
	03/11/2024	727					2026	ALTEC INDUSTRIES, I	#176, hyd valve	396.38
	03/05/2024	727					2026	PASCO A-PTS 0027915	#165, filter	16.28
Total for Tran-953:										10,187.44

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CC/E-Payment Vendor: 3098 - US BANK CORPORATE PAYMENT SYSTEM

Tran	Date	Recon ID	Type	Credit Card/E-Payment	Vendor	Vendor Name	Merchant	Merchant Name	Reference	Amount
954	02/15/2024	726	Credit Card	36 - Operations - Maintenanc	10608	PATRICK, GEORGE M	10608	IRRIGATION SPECIALI	pvc fitting	12.14
	02/13/2024	726					10608	GRAINGER	faucet credit	-181.43
	03/08/2024	726					10608	T&A SUPPLY CO - RIC	carpet tape	58.90
	03/12/2024	726					10608	THE HOME DEPOT #47	faucet hose	7.01
	03/12/2024	726					10608	SP FASTENERS INC	dry wall anchors	26.52
	03/04/2024	726					10608	THERMAL SUPPLY 221	ice machine filters	126.09
	03/12/2024	726					10608	VSP*PERFORMANCE S	fire ext.	1,951.50
	02/15/2024	726					10608	ACTION/NORTHSHOR	circuit board for overhead doo	153.24
	02/14/2024	726					10608	THE HOME DEPOT #47	paint supplies	43.40
	03/12/2024	726					10608	FILTERBUY.COM	filters	667.20
	02/21/2024	726					10608	THE HOME DEPOT #47	paint supplies	170.18
	03/07/2024	726					10608	THE HOME DEPOT #47	drill bits	11.89
	03/12/2024	726					10608	THE HOME DEPOT #47	paint suplies	145.83
	02/26/2024	726					10608	THE HOME DEPOT 473	paint supplies	286.58
	03/07/2024	726					10608	THE HOME DEPOT #47	batteries	79.87
	02/15/2024	726					10608	SHERWIN WILLIAMS 7	paint drop cloth	20.32
	03/06/2024	726					10608	THE HOME DEPOT #47	painting supplies	162.79
	03/04/2024	726					10608	THE HOME DEPOT 473	paint supplies	396.23
	02/26/2024	726					10608	CONS SUPPLY KENNE	plumbing part	11.04
	02/26/2024	726					10608	SHERWIN WILLIAMS 7	paint supplies	207.02
	03/13/2024	726					10608	THE HOME DEPOT #47	hvac cap	7.14
	02/15/2024	726					10608	ACTION/NORTHSHOR	overhead door part	44.70
	02/27/2024	726					10608	THERMAL SUPPLY 221	ice machine filters	252.18
	02/27/2024	726					10608	THE HOME DEPOT #47	paint supplies	44.24
	02/23/2024	726					10608	GRAINGER	evaporative cooler	4,867.03
	03/04/2024	726					10608	SHERWIN WILLIAMS 7	paint	186.70
Total for Tran-954:										9,758.31
955	02/28/2024	718	Credit Card	44 - Customer Service	2563	MAKI, KIMBERLEE R	2563	OFFICE DEPOT #962	misc supplies for standby/km	102.44
	02/15/2024	718					2563	ODP BUS SOL LLC # 10	misc office supplies/kmaki	335.81
	02/15/2024	718					2563	ODP BUS SOL LLC # 10	misc office supplies/kmaki	19.53
Total for Tran-955:										457.78
956	03/05/2024	729	Credit Card	42 - Prosser	10150	COBB, ANNETTE L	10150	COOK'S ACE HARDWA	purchase of an amp for meter	42.38
Total for Tran-956:										42.38

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CC/E-Payment Vendor: 3098 - US BANK CORPORATE PAYMENT SYSTEM

<u>Tran</u>	<u>Date</u>	<u>Recon ID</u>	<u>Type</u>	<u>Credit Card/E-Payment</u>	<u>Vendor</u>	<u>Vendor Name</u>	<u>Merchant</u>	<u>Merchant Name</u>	<u>Reference</u>	<u>Amount</u>
957	02/21/2024	717	Credit Card	11 - Finance & Business Serv	1091	BLACKWELL, LURII	1091	CITY OF KENNEWICK	Police Reports	7.48
	02/15/2024	717					1091	WSP COLLISION RECO	Police Report	10.50
	03/04/2024	717					1091	ODP BUS SOL LLC # 10	Folta - Whiteboard	587.59
	02/28/2024	717					1091	NWPPA	Blackwell Admin Series	600.00
	02/26/2024	717					1091	WA GOV SAFETY BOA	Grandgeorge Safety Seminar	75.00
Total for Tran-957:										1,280.57

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CC/E-Payment Vendor: 3098 - US BANK CORPORATE PAYMENT SYSTEM

Tran	Date	Recon ID	Type	Credit Card/E-Payment	Vendor	Vendor Name	Merchant	Merchant Name	Reference	Amount
958	02/28/2024	728	Credit Card	39 - Operations - Warehouse	1465	PURDOM, KRISTI L	1465	ULINE *SHIP SUPPLIE	SOAP, FACIAL TISSUE, C	1,560.04
	02/29/2024	728					1465	WAL-MART #2101	MEETING ROOM COFFEE	45.63
	02/28/2024	728					1465	ULINE *SHIP SUPPLIE	MULTI FOLDS, TOILET SE	1,139.18
	02/29/2024	728					1465	WAL-MART #2101	MEETING ROOM UTINSIL	18.96
	03/12/2024	728					1465	GRAINGER	SAFETY GLASSES	85.31
	03/11/2024	728					1465	BETTENDORFS PRINTI	HOLD TAGS	1,371.79
	02/28/2024	728					1465	AMZN MKTP US*RW4	SM LEATHER GLOVES YO	225.41
	02/20/2024	728					1465	PASCO - TACOMA SCR	MAGNETIC NUT DRIVER	16.89
	02/22/2024	728					1465	ZORO TOOLS INC	SAWZALL BLADES	665.15
	02/14/2024	728					1465	HOMEDEPOT.COM	CABLE PROTECTOR RAM	408.54
	03/14/2024	728					1465	J HARLEN CO INC	BUCKET RESCUE BOOM	532.01
	03/12/2024	728					1465	GRAINGER	CANNED AIR	450.54
	03/12/2024	728					1465	GRAINGER	HAND CLEANING TOWEL	257.23
	03/14/2024	728					1465	ZORO TOOLS INC	COPING BLADES & LOCK	200.52
	02/20/2024	728					1465	J HARLEN CO INC	CLIMBING BELT AND PO	1,112.12
	02/29/2024	728					1465	ANIXTER INC - UPS	Credit for Shipping Costs	-35.87
	03/14/2024	728					1465	UNITED-STATES-FLAG	NEW FLAGS	652.18
	02/20/2024	728					1465	SP J.L. MATTHEWS CO.	FB FOLDING RULERS, AP	696.02
	03/04/2024	728					1465	ZORO TOOLS INC	TAPE MEASURES	282.51
	03/05/2024	728					1465	GRAINGER	ROUND POINT SHOVELS	928.59
	02/20/2024	728					1465	THE HOME DEPOT 473	FASTBACK FLIP POCKET	81.36
	03/14/2024	728					1465	GRAINGER	TOOL BAGS - GEN PURPO	164.27
	02/20/2024	728					1465	GRAINGER	STRETCH WRAP CAST	69.44
	02/23/2024	728					1465	BUCKINGHAMMFG.C	NUT FASTENER KITS	103.04
	02/19/2024	728					1465	AMZN MKTP US*RW9	REPLACEMENT BATTERY	18.47
	02/16/2024	728					1465	BUCKINGHAMMFG.C	EZ SQUEEZE & TOUGH R	2,528.63
	02/29/2024	728					1465	AMAZON.COM*RW1IV	COPPER MESH	192.54
	03/14/2024	728					1465	GRAINGER	FISH TAPE	126.04
	02/19/2024	728					1465	AMZN MKTP US*RW77	SUPER FAST CAR CHARG	266.01
	03/12/2024	728					1465	ZORO TOOLS INC	QD CONTACT CLEANER	688.20
	02/29/2024	728					1465	ANIXTER INC - UPS	Credit for Shipping Costs	-38.71
	03/04/2024	728					1465	GRAINGER	GLASS CLEANER	95.87
	02/21/2024	728					1465	J HARLEN CO INC	APRON, VINYL TOOL HO	175.34
	02/29/2024	728					1465	AMZN MKTP US*RN5	CHARGING STATION & C	52.16

Total for Tran-958: 116 15,135.41

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CC/E-Payment Vendor: 3098 - US BANK CORPORATE PAYMENT SYSTEM

Tran	Date	Recon ID	Type	Credit Card/E-Payment	Vendor	Vendor Name	Merchant	Merchant Name	Reference	Amount
959	02/27/2024	722	Credit Card	31 - Operations	901	SCHLEKEWEY, DIANE A	901	NWPPA	NWPPA - E&O - Dobrec	775.00
	02/27/2024	722					901	NWPPA	NWPPA - E&O - Schafer	895.00
	03/05/2024	722					901	ODP BUS SOL LLC # 10	Office Supplies	57.80
	03/06/2024	722					901	IEEE CB CONFERENCE	IEEE T&D Conference	950.00
	03/06/2024	722					901	SQ *EVOLUTION MEDI	CDL Med Cert Appt- hardenb	125.00
	03/12/2024	722					901	MYELECTRICALCEU	2023 NESC Code changes Pa	65.00
	03/05/2024	722					901	ODP BUS SOL LLC # 10	Office Supplies	192.40
	03/13/2024	722					901	MYELECTRICALCEU	2023 NESC Changes to Code	65.00
	03/13/2024	722					901	TOTAL CARE CLINICS	CDL Medical Cert appt - Thar	150.00
	03/07/2024	722					901	MYELECTRICALCEU	RCW-WAC Update Szendre	45.00
	03/10/2024	722					901	MYELECTRICALCEU	Electrical CEU Course Szendr	-45.00
	03/14/2024	722					901	WA L & I KENNEWICK	Electrical License Renewal -	88.30
	02/26/2024	722					901	TOTAL CARE CLINICS	CDL Medical Cert Appt - Sco	150.00
	03/07/2024	722					901	MYELECTRICALCEU	Electrical CEU Course Szendr	45.00
	03/05/2024	722					901	OFFICE DEPOT #962	Office Supplies	50.06
	03/11/2024	722					901	MYELECTRICALCEU	Electrical Safety Course - Sze	45.00
	02/27/2024	722					901	NWPPA	NWPPA E&O - Gaston	775.00
Total for Tran-959:										4,428.56
960	02/28/2024	725	Credit Card	38 - Operations - Support Svc	10656	FLEENOR, RYAN A	10656	GRAINGER	Swamp Cooler	4,867.03
	03/07/2024	725					10656	THE HOME DEPOT #47	Painting paper	8.22
Total for Tran-960:										4,875.25

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CC/E-Payment Vendor: 3098 - US BANK CORPORATE PAYMENT SYSTEM

Tran	Date	Recon ID	Type	Credit Card/E-Payment	Vendor	Vendor Name	Merchant	Merchant Name	Reference	Amount
961	02/23/2024	721	Credit Card	15 - IT Infrastructure	3259	CRUM, DUANE P	3259	SPECTRUM	Backup internet	139.98
	03/02/2024	721					3259	AMZN MKTP US*RN4Q	Projector (Meyer)	2,540.63
	02/29/2024	721					3259	CDW GOVT #PW62863	2 Projector wall mounts (Mey	274.20
	03/01/2024	721					3259	AMZN MKTP US*RW2	Wireless HDMI for iPads	32.60
	03/12/2024	721					3259	EB RELIABILITY AND	WECC Virtual security (Holg	100.00
	03/04/2024	721					3259	AMAZON.COM*RN6DZ	Apple iPad cables	121.70
	02/25/2024	721					3259	SMARTSHEET INC.	Support Software (Holgate)	29.35
	02/27/2024	721					3259	AMZN MKTP US*RW5	4 kingston wireless mice	184.08
	03/06/2024	721					3259	AMZN MKTP US*RZ5E	Network cables (Homer)	17.38
	03/13/2024	721					3259	DMI* DELL K-12/GOVT	Dell 27inch monitors	2,572.54
	02/25/2024	721					3259	AMZN MKTP US*RZ6L	Proxicase antenna	563.16
	03/04/2024	721					3259	AMZN MKTP US*RZ3R	2 HDMI cables 2 video splitte	140.10
	02/22/2024	721					3259	CITY OF KENNEWICK	DPW-2024-0442 ROW	75.00
	03/01/2024	721					3259	APPLE.COM/US	Apple Magic Keyboard	303.27
	03/07/2024	721					3259	AMZN MKTP US*R683	network equipment for Homer	123.53
	03/02/2024	721					3259	AMZN MKTP US*RN0J	projector (Edwards)	2,540.63
	02/18/2024	721					3259	1PASSWORD	Renewal 1Password 2024	3,543.53
	02/16/2024	721					3259	1PASSWORD	2 new users 1Password	2.16
	03/01/2024	721					3259	AMZN MKTP US*RZ89	2 HDMI wall plates (Meyer,	33.00
	02/23/2024	721					3259	ARKON RESOURCES I	iPad Truck mounts	224.70
Total for Tran-961:										13,561.54
962	02/27/2024	724	Credit Card	35 - Operations - Transforme	2503	GASTON, TODD	2503	THE HOME DEPOT #47	elec. parts for truck plug ins	68.81
	03/06/2024	724					2503	OXARC, INC-PASCO C	nitrogen for transformers	166.53
	03/06/2024	724					2503	FASTENAL COMPANY	bolts for bus	26.09
	02/16/2024	724					2503	THE HOME DEPOT 473	drill for shop	433.71
	02/29/2024	724					2503	KIE SUPPLY - KENNE	sealtite and fittings	328.76
	03/06/2024	724					2503	M & M BOLT CO	bolts for bus	31.21
	02/21/2024	724					2503	THE HOME DEPOT 473	parts & tools for truck 204	80.89
Total for Tran-962:										1,136.00

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ACCOUNTS PAYABLE CC/E-PAYMENT CHARGES

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CC/E-Payment Vendor: 3098 - US BANK CORPORATE PAYMENT SYSTEM

Tran	Date	Recon ID	Type	Credit Card/E-Payment	Vendor	Vendor Name	Merchant	Merchant Name	Reference	Amount
963	03/13/2024	730	Credit Card	51 - Power Management	2250	WELLER, ROXANNE K	2250	AMZN MKTP US*R68X	Power Management - Wall K	46.73
	03/11/2024	730					2250	NEEC	Energy Svc - BOC Certificati	75.00
	03/13/2024	730					2250	NEEC	ES - Katie Timmerman BOC	2,095.00
	02/28/2024	730					2250	NWPPA	ES - Robert Frost Supervisor	1,405.00
	02/28/2024	730					2250	NWPPA	ES - Robert Frost Supervisor	1,330.00
	02/29/2024	730					2250	NEEA EFX	ES - Sharon Fischer WHOVA	1,050.00
	03/13/2024	730					2250	NEEA EFX	ES - Terry Mapes EE	250.00
Total for Tran-963:										6,251.73

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ACCOUNTS PAYABLE CC/E-PAYMENT CHARGES

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ALL

CC/E-Payment Vendor: 3098 - US BANK CORPORATE PAYMENT SYSTEM

Tran	Date	Recon ID	Type	Credit Card/E-Payment	Vendor	Vendor Name	Merchant	Merchant Name	Reference	Amount
964	02/29/2024	716	Credit Card	01 - Executive	2854	PREDDIE, BRENDA J	2854	FACEBK 6SBGLXFA32	Facebook-Stem Academy-Em	40.00
	03/04/2024	716					2854	SOCIETYFORHUMANR	SHRM Membership-K Sidwe	264.00
	03/11/2024	716					2854	IN *MUSTANG SIGNS	Mustang Signs-Bus Rebate B	216.32
	03/01/2024	716					2854	AMZN MKTP US*RZ8U	Amazon-Pi Day Supplies	35.86
	03/11/2024	716					2854	GESA CAROUSEL OF D	Gesa Carousel of Dreams-Eas	1,500.00
	03/14/2024	716					2854	ODP BUS SOL LLC # 10	Office Depot-Office Supplies	37.98
	02/15/2024	716					2854	WASHINGTON PUD AS	WPUDA-HR Committee Reg	75.00
	03/11/2024	716					2854	ODP BUS SOL LLC # 10	Office Depot-Office Supplies	17.92
	03/14/2024	716					2854	JURASSICPARLIAMEN	Jurassic Parliament-Mtg Minu	87.00
	02/21/2024	716					2854	LMI NOTARY SERVICE	LMI-Notary Seminar Reg-Mc	150.00
	03/11/2024	716					2854	CANVA* I04087-862838	Canva-Canvases	408.00
	03/04/2024	716					2854	WSJ/BARRONS SUBSC	Wall Street Journal Credit	-52.19
	03/02/2024	716					2854	LINKEDIN RECRUITER	LinkedIn-HR Recruiting	184.78
	03/12/2024	716					2854	WASHINGTON PUD AS	WPUDA-Annual Conf Reg-J	550.00
	02/22/2024	716					2854	ODP BUS SOL LLC # 10	Office Depot-Bus Cards-J Ge	46.41
	03/05/2024	716					2854	MRSC.ORG	MRSC-Public Rec Act Webin	140.00
	03/08/2024	716					2854	SUMMITLAW* ON DE	Summit Law-District Trainin	75.00
	02/29/2024	716					2854	QGV*JUNIOR ACHIEV	Junior Achievement-D Smith	70.00
	03/04/2024	716					2854	D J*WALL-ST-JOURNA	Wall Street Jrnl Subscription	42.38
	02/28/2024	716					2854	TRI-CITY HERALD CIR	Tri-City Herald-Yearly Subsc	251.99
	02/14/2024	716					2854	ODP BUS SOL LLC # 10	Office Depot-File Folders	16.16
	02/21/2024	716					2854	AMERICAN PUBLIC PO	APPA Nat'l Conf Reg-J Hall	1,175.00
	02/29/2024	716					2854	QGV*JUNIOR ACHIEV	Junior Achievement-J George	70.00
	03/06/2024	716					2854	WASHINGTON PUD AS	WPUDA-Annual Conf Reg-J	550.00
	02/26/2024	716					2854	DOL - PROFESSIONAL	WA DOL-PE Lic for R Dunn	116.00
	03/01/2024	716					2854	MRSC.ORG	MRSC-PRA Deep Dive-N Dr	40.00
	03/04/2024	716					2854	LOURDES OCC HEALT	Lourdes Health-Physicals &	140.00
	03/07/2024	716					2854	TOWN AND COUNTRY	Prosser Rec Bulletin-AG Wee	81.00
	03/13/2024	716					2854	ENERGY COMMUNITI	Energy Comm Alli-ECA Foru	575.00
	02/29/2024	716					2854	QGV*JUNIOR ACHIEV	Junior Achievement-T Brown	70.00
	02/26/2024	716					2854	MID-COLUMBIA MEDI	TC Jrnل of Bus-Ads	570.00
	03/01/2024	716					2854	BANNERSCOM	Banners.com-Bus Rebate Ban	268.85
	02/24/2024	716					2854	AMZN MKTP US*RW1	Amazon-Sign Holders/Post-it	68.57
	03/01/2024	716					2854	GOOGLE CLOUD Z4W	Google Cloud-Website Transl	7.23

Total for Tran-964: 120 7,888.26

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ACCOUNTS PAYABLE CC/E-PAYMENT CHARGES

ALL

CC/E-Payment Vendor: 3098 - US BANK CORPORATE PAYMENT SYSTEM

Tran	Date	Recon ID	Type	Credit Card/E-Payment	Vendor	Vendor Name	Merchant	Merchant Name	Reference	Amount
965	03/11/2024	723	Credit Card	34 - Operations - Meter Shop	1466	BRADSHAW, GORDON J	1466	(PC) 3627 CED	Spring nuts, T and 90 bracket	906.47
	03/04/2024	723					1466	PLATT ELECTRIC 006	Dymo labels, Ely	176.38
	03/14/2024	723					1466	(PC) 3627 CED	Bell Box, flex conduit, BB co	222.88
	03/05/2024	723					1466	AMZN MKTP US*RZ32	Dymo Labels	271.98
	03/14/2024	723					1466	(PC) 3627 CED	T Bracket for meter base stan	289.69
	03/14/2024	723					1466	AMAZON RET* 111-357	DB9 Cables	70.33
	02/23/2024	723					1466	INNER-TITE CORP	Meter base repair parts	607.76
	03/02/2024	723					1466	AMZN MKTP US*RZ79	Dymo labels	615.75
	03/11/2024	723					1466	FASTENAL COMPANY	Ring terminals	152.18
	03/14/2024	723					1466	AMAZON RET* 111-357	DB9 Cable Tax	5.41
	03/04/2024	723					1466	VICS AUTO AND SUPP	Clamps for touch ground stick	35.86
Total for Tran-965:										3,354.69

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ACCOUNTS PAYABLE CC/E-PAYMENT CHARGES

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ALL

CC/E-Payment Vendor: 3098 - US BANK CORPORATE PAYMENT SYSTEM

Tran	Date	Recon ID	Type	Credit Card/E-Payment	Vendor	Vendor Name	Merchant	Merchant Name	Reference	Amount
966	03/07/2024	732	Credit Card	TRAV - Travel Card	1017	NEWELL, PAULA A	1017	AGENT FEE 027704439	Agent fee - Crum	37.00
	03/13/2024	732					1017	BEST WESTERN PLUS	Holsten - NW NISC User Grp	282.52
	03/13/2024	732					1017	BEST WESTERN PLUS	Holbrook - NW NISC User G	282.52
	03/06/2024	732					1017	AGENT FEE 006704394	Agent Fee - Szendre	37.00
	03/13/2024	732					1017	BEST WESTERN PLUS	Cobb - NW NISC User Grp	282.52
	02/14/2024	732					1017	THE GROVE HOTEL	Glines - Staking Tech Cert	804.71
	03/05/2024	732					1017	AGENT FEE 006704394	Agent Fee - Edwards	37.00
	03/07/2024	732					1017	DELTA AIR 006704439	Crum - Tech Advantage	278.20
	03/04/2024	732					1017	AGENT FEE 027704394	Agent Fee - VanFosson	37.00
	02/16/2024	732					1017	SKAMANIA LODGE	Sanders - WPUA Annual C	166.74
	03/11/2024	732					1017	ALASKA AIR 02770443	Brown - E&O Conf	196.20
	03/07/2024	732					1017	BEST WESTERN BATT	D Welch - 2nd Yr Hot Stick T	421.28
	03/06/2024	732					1017	DELTA AIR 006704394	Szendre - E&O conf	677.19
	03/07/2024	732					1017	AGENT FEE 006704439	Agent Fee - Crum	37.00
	02/14/2024	732					1017	THE GROVE HOTEL	Brooks - Staking Tech Cert	753.51
	03/13/2024	732					1017	BEST WESTERN PLUS	Maki - NW NISC User Grp	282.52
	03/11/2024	732					1017	AGENT FEE 027704439	Agent Fee -Brown	37.00
	03/07/2024	732					1017	HOLIDAY INN EXPRES	Inman - Tech Advantage	682.83
	02/14/2024	732					1017	LITTLE CREEK CASIN	Scott - East/West Super Mtg	147.51
	03/05/2024	732					1017	DELTA AIR 006704394	Edwards - E&O conf	597.19
	02/15/2024	732					1017	ENTERPRISE RENT-A-	Henderson Car Rental-WPUD	184.93
	03/13/2024	732					1017	BEST WESTERN PLUS	Martin - NW NISC User Grp	282.52
	02/22/2024	732					1017	SKAMANIA LODGE	Hall - WPUA Annual Confe	166.74
	03/07/2024	732					1017	ALASKA AIR 02770443	Crum - Tech Advantage	279.70
	02/23/2024	732					1017	ENTERPRISE RENT-A-	Henderson Car Rental-TC Da	123.10
	03/04/2024	732					1017	ALASKA AIR 02770439	VanFosson - E&O Conf	226.20
	03/13/2024	732					1017	BEST WESTERN PLUS	Nielson - NW NISC User Grp	282.52
	03/01/2024	732					1017	400 E HOUSTON STRE	Holgate - Tech Advantage	1,341.47

Total for Tran-966: 8,964.62

Total Charges for CC/E-Payment Vendor - 3098: (19) 91,796.48


Total Voids for CC/E-Payment Vendor - 3098: (0) 0.00

Total for CC/E-Payment Vendor - 3098: (19) 91,796.48



<input type="checkbox"/>	Business Agenda
<input type="checkbox"/>	Second Reading
<input checked="" type="checkbox"/>	Consent Agenda
<input type="checkbox"/>	Info Only/Possible Action
<input type="checkbox"/>	Info Only

COMMISSION MEETING AGENDA ITEM

Subject:	Resolution No. 2671, Amending the Guidelines for Employee Payroll Stipends for Mobile Communications Usage	
Agenda Item No:	6d	
Meeting Date:	April 23, 2024	
Authored by:	Karen Dunlap	<i>Staff Preparing Item</i>
Presented by:	Karen Dunlap	<i>Staff Presenting Item</i>
Approved by (dept):	Jon Meyer	<i>Director/Manager</i>
Approved for Commission review:	Rick Dunn 	<i>General Manager</i>

Motion for Commission Consideration:

Motion to adopt Resolution No. 2671, Amending the Guidelines for Employee Payroll Stipends for Mobile Communications Usage.

Background/Summary

The District currently has Resolution No. 2000 which authorized guidelines for employee payroll stipends for mobile communication devices. The resolution and associated policies specifically refer to employees. A recent review of the policy was conducted and determined that elected Commissioners should also be eligible for the stipend as they do not have offices or computer equipment in a District facility and use mobile devices as a primary source of District communication. This was discussed during the April 9, 2024 Commission meeting.

The attached proposed amendment adds elected Commissioners as authorized for a stipend when there is a demonstrated need and authorizes the General Manager, or designee, to update policies.

Fiscal Impact

Proposed changes will not have a material impact on the 2024 budget, as the addition of up to three Commissioners for stipends is within the 2024 budget allocation.

RESOLUTION NO. 2671

April 23, 2024

**A RESOLUTION AMENDING THE GUIDELINES FOR EMPLOYEE PAYROLL
STIPENDS FOR MOBILE COMMUNICATIONS USAGE**

WHEREAS, Public Utility District No. 1 of Benton County, Washington (the "District") initially established payroll stipends to compensate certain designated employees for providing cellular phones for business use through Resolution No. 1714 in July 2002: AND

WHEREAS, The Commission of Public Utility District No. 1 of Benton County authorized the District to provide guidelines for employee payroll stipends for mobile communications usage by Resolution No. 2000; AND

WHEREAS, technology enhancements continually occur and wireless service plans are utilized for multi factor authentication to access District systems; AND

WHEREAS, the District recognizes that the availability and use of mobile communications services by its employees provides a benefit to the District because of increased communication; AND

WHEREAS, the District recognizes that elected Commissioners' primary source of communication occurs with mobile devices; AND

WHEREAS, timely communication enhances productivity of District business processes and goals, and it has been determined that the use of mobile communication devices in many instances is cost-effective and timely; AND

WHEREAS, there is a recognized advantage to being able to communicate with certain Benton PUD employees and elected Commissioners while they are performing business activities away from the office, and during periods after normal work hours as the need dictates: AND

WHEREAS, District processing and administrative costs will be kept to a minimum using a payroll stipend for these types of services.

NOW, THEREFORE BE IT HEREBY RESOLVED That the General Manager, or his designee, shall authorize a payroll stipend to designated employees and elected Commissioners when there is a demonstrated need for mobile communication and implement policies defining approval criteria and recipient responsibilities.

This Resolution shall become effective on April 23, 2024 and shall supersede Resolution No. 2000.

ADOPTED By the Commission of Public Utility District No. 1 of Benton County, Washington, at an open public meeting as required by law this 23rd day of April 2024.

Jeffery D. Hall, Vice-President


ATTEST:

Lori Kays-Sanders, Secretary



<input type="checkbox"/>	Business Agenda
<input type="checkbox"/>	Second Reading
<input checked="" type="checkbox"/>	Consent Agenda
<input type="checkbox"/>	Info Only/Possible Action
<input type="checkbox"/>	Info Only

COMMISSION MEETING AGENDA ITEM

Subject:	Work Order 700303 – Olson Bros. Subdivision Phase 1	
Agenda Item No:	6e	
Meeting Date:	April 23 rd , 2024	
Authored by:	Chad Brooks	<i>Staff Preparing Item</i>
Presented by:	Evan Edwards	<i>Staff Presenting Item</i>
Approved by (dept):	Steve Hunter	<i>Director/Manager</i>
Approved for Commission review:	Rick Dunn 	<i>General Manager/Asst GM</i>

Motion for Commission Consideration:

Motion approving work order 700303 for the installation of underground primary electric facilities to serve 58 lots in Phase 1 of Olson Bros Subdivision on Ki-Be Road and West of Horne Road in Benton City.

Background/Summary

Developer requested underground electric facilities necessary to serve 58 lots in phase 1 of the Olson Brothers Subdivision. The design includes appurtenances for the full future build out of all 220 proposed lots.

Recommendation

Approval of work order 700303 will authorize the construction of underground electric facilities necessary to serve the first 58 lots and meet the initial request for electric service by the developer of the Olson Bros Subdivision.

Fiscal Impact

The estimated project cost is \$202,342.97. The developer contribution in aid to construction (CIAC) is \$193,080.23. The District line extension credit for transformer expenses is \$3,806.94. The District will cover all travel expenses of \$5,455.80.

Projects to be Presented at the Benton PUD

Commission Meeting On

April 23rd, 2024

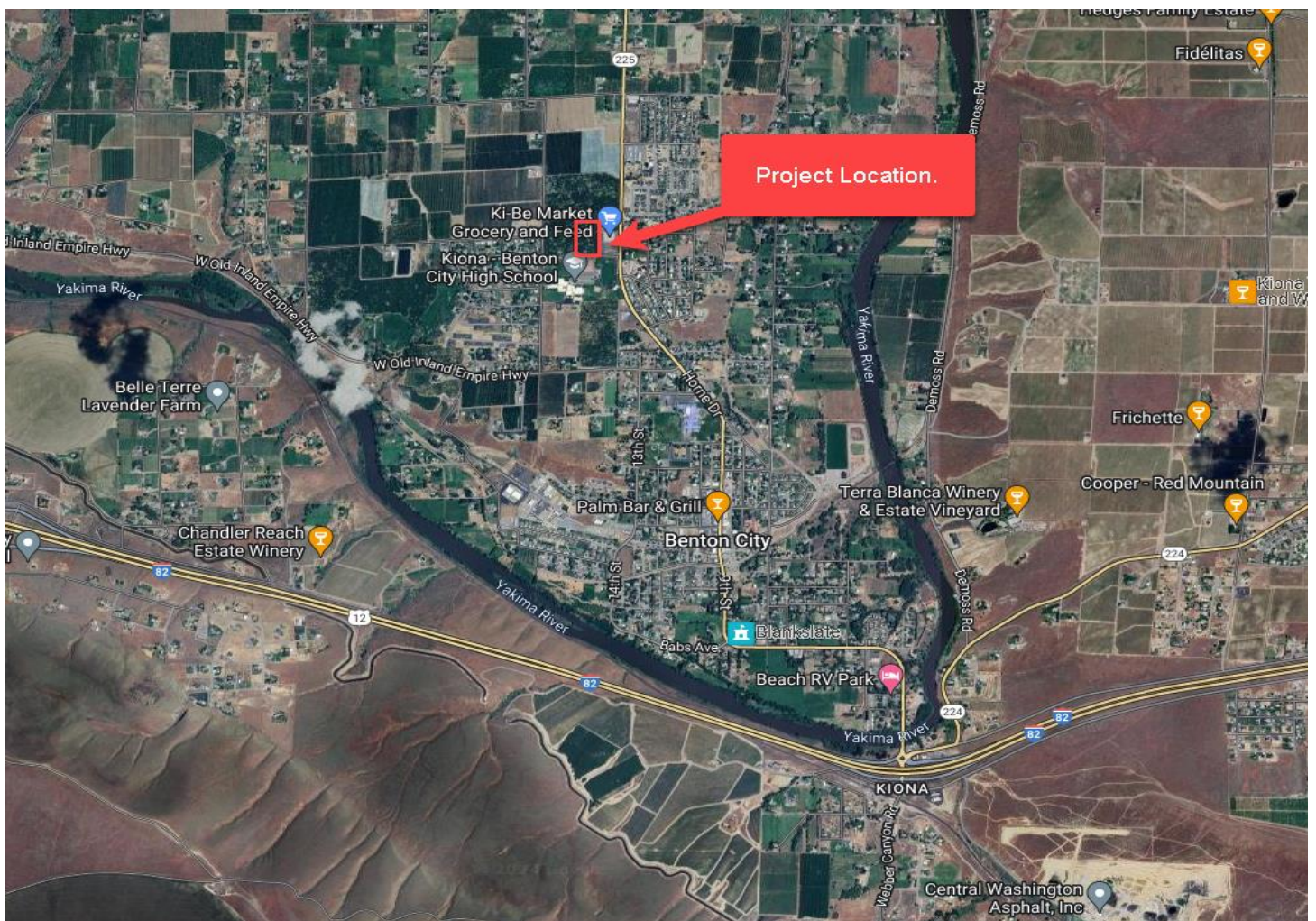
Project Name: Olson Bros Subdivision Phase 1

WO#: 700303

Location: On Northside of Ki-Be Road, West of Horne Road in Benton City.

Justification: Developer request to develop land and install power facilities.


Location Map





<input type="checkbox"/>	Business Agenda
<input type="checkbox"/>	Second Reading
<input checked="" type="checkbox"/>	Consent Agenda
<input type="checkbox"/>	Info Only/Possible Action
<input type="checkbox"/>	Info Only

COMMISSION MEETING AGENDA ITEM

Subject:	Work Order 700540 – Southridge Apartments	
Agenda Item No:	6f	
Meeting Date:	April 23, 2024	
Authored by:	Tina Glines	<i>Staff Preparing Item</i>
Presented by:	Evan Edwards	<i>Staff Presenting Item</i>
Approved by (dept):	Steve Hunter	<i>Director/Manager</i>
Approved for Commission review:	Rick Dunn 	<i>General Manager</i>

Motion for Commission Consideration:

Motion approving work order 700540 for the installation of underground primary electric facilities to serve eight multitenant apartment buildings located on Ridgeline Drive and Southridge Blvd.

Background/Summary

Work Order 700540 includes construction of 3-phase and single-phase underground facilities necessary to serve Southridge Apartments and provide a redundant loop feed to the residential area to the south. This project is being developed by Eichler Construction.

Recommendation

Approval of work order 700540 will authorize the construction of facilities necessary to meet the request for electric service by the developer of Southridge Apartments.

Fiscal Impact

The estimated project cost is \$110,805.57. The Developer’s contribution in aid to construction (CIAC) is \$85,398.42. The District’s line extension credit for travel time and transformer expenses is \$4,328.27. Facilities to be installed by the District to complete conduit pathways in the area are \$21,078.88.

Projects to be Presented at the Benton PUD

Commission Meeting On

April 23rd, 2024

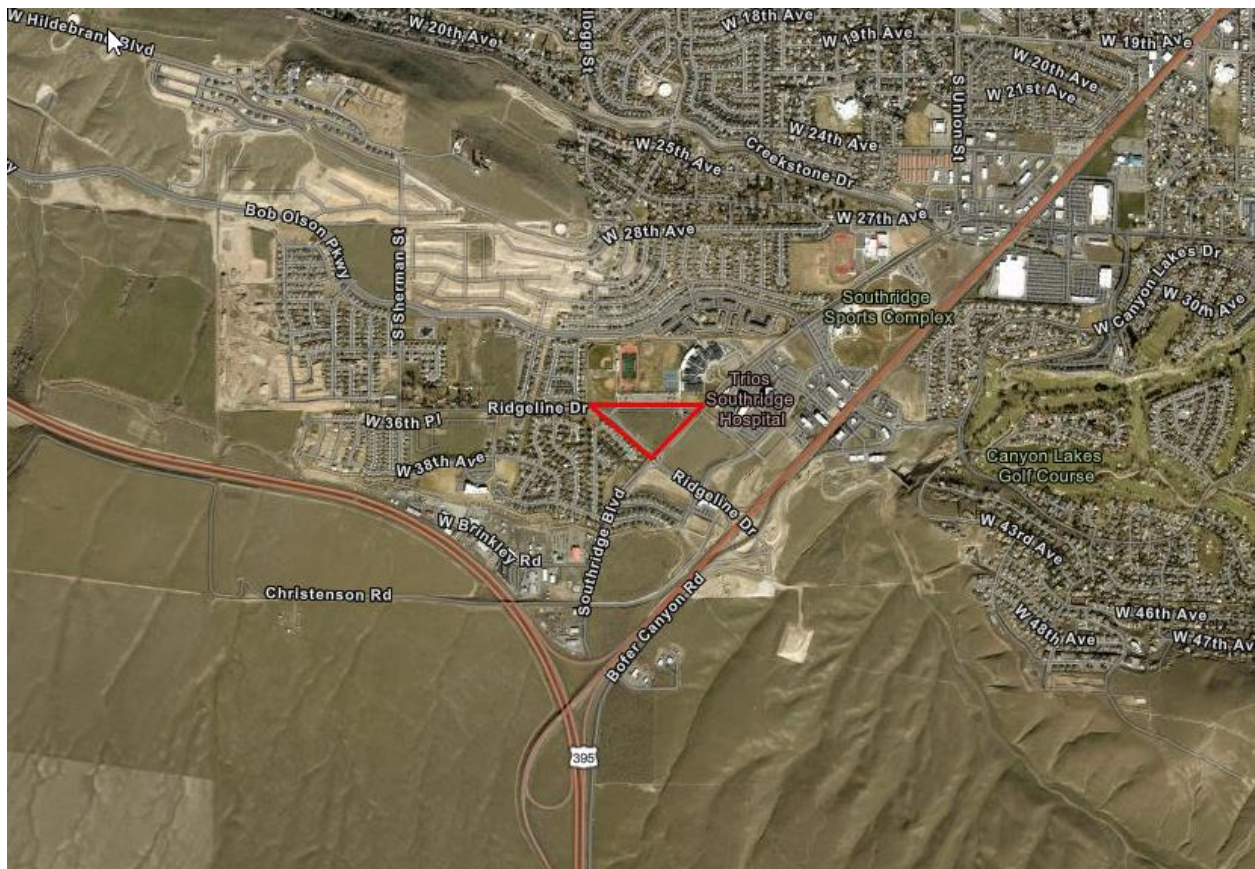
Project Name: Southridge Apartments

WO#: 700540

Location: North of the intersection of Ridgeline Dr and Southridge Blvd

Justification: Developer requests primary facilities to eight apartment complexes.


Location Map





<input type="checkbox"/>	Business Agenda
<input type="checkbox"/>	Second Reading
<input checked="" type="checkbox"/>	Consent Agenda
<input type="checkbox"/>	Info Only/Possible Action
<input type="checkbox"/>	Info Only

COMMISSION MEETING AGENDA ITEM

Subject:	2024 – 1 st Quarter Contract Activity Report	
Agenda Item No:	6g	
Meeting Date:	April 23, 2024	
Authored by:	Michelle Ochweri	<i>Staff Preparing Item</i>
Presented by:	Michelle Ochweri	<i>Staff Presenting Item</i>
Approved by (dept):	Jon Meyer	<i>Director/Manager</i>
Approved for Commission review:	Rick Dunn 	<i>General Manager</i>

Motion for Commission Consideration

Information Only

Background/Summary

Prior to January 1, 2024, Procurement Department tracked all of its contracts through an Access Database and produced two reports to show required information for Resolution No. 2511- Contract Activity and Resolution 2128 – Broadband Service Order Report. As of January 1, 2024, this information has been transitioned into a new system to allow for easier access for tracking and accessibility for reporting. Attached you will find a combined report to reflect all contract activity for first quarter of 2024. Moving forward this format will replace the previous two reports to streamline the information and activity being processed each quarter in the Procurement Department.

Recommendation

Information for Reference and Review only.

Fiscal Impact

- N/A

BPUD Procurement Contracts - 2024 Q1

All Contracts that Started, were Changed, or have a Commission Approval Date in 2024 Q1

Contract #	Vendor	Contract Title	Description (Co)	Receivable / Payable	Original End Date	Original NTE \$	Current End Date	Current NTE \$	Commission Date
1 - General Manager, Commission									
23-01-03	Ellerd, Hultgrenn, Dahlhauser, LLP	Legal Services		Payable	01/01/2024	\$75,000	12/31/2026	\$75,000	
23-01-02	Gordon Thomas Honeywell	Legal Services		Payable	12/31/2024	\$10,000	12/31/2024	\$10,000	
12 - Government Relations									
23-12-05	Benton Conservation District	Salmon Power in the Schools		Payable	06/28/2024	\$7,000	06/28/2024	\$7,000	
24-12-01	Foundation for Water and Energy Education	2024 Tri-Cities STEM Career Academy		Payable	01/02/2024	\$7,000	08/30/2024	\$7,000	
14 - General Accounting									
20-33-01	Doble Engineering Company	Engineering Services	#2 - Extend term of contract to February 6, 2025 and increase funding by \$30,500 - 2024-2025	Payable	12/31/2016	\$83,010	02/06/2025	\$143,260	
23-21-24	Rogers Surveying	Survey Service Spaw Phillips Project	#1 - Increase funds by \$20,000.00	Payable	12/31/2024	\$15,000	12/31/2024	\$35,000	
16 - Treasurer									
16-16-02	Citibank Merchant Services	Merchant Services	#8 - Extend term of contract to 12/31/2024 and increase funding by \$450,000	Payable	12/31/2016	\$1,014,000	12/31/2023	\$3,124,000	12/12/2023
09-16-04	Foster Garvey PC	Bond Counsel Services - Legal	#13 - Extend the term to December 31, 2024	Payable	09/15/2012	\$45,000	12/31/2024	\$115,000	
15-16-02	Newgen Strategies & Solutions LLC	Annual Support For COSA & Rate Design	#11 - Extend the term of the contract to December 31, 2024	Payable	12/31/2015	\$10,000	12/31/2022	\$75,000	
24-16-01	Piper Sandler Companies	Financial Advisory Services		Payable	12/31/2024	\$8,500	12/31/2024	\$8,500	
17 - Purchasing									
15-17-01	MRSC Rosters	Membership for Online Shared Small Works Roster	#8 - Renewal for 2024 (done online)	Payable	12/31/2016	\$480	12/31/2024	\$48,090	

BPUD Procurement Contracts - 2024 Q1

All Contracts that Started, were Changed, or have a Commission Approval Date in 2024 Q1

Contract #	Vendor	Contract Title	Description (Co)	Receivable / Payable	Original End Date	Original NTE \$	Current End Date	Current NTE \$	Commission Date
18 - IT Applications									
23-18-03	Jotform, Inc.	Survey Tool		Payable	12/31/2024	\$16,828	12/31/2024	\$16,828	
23-18-05	National Information Solutions Cooperative (NISC)	NISC Services	#3 - Migrate the GIS databases to District SQL Server Infrastructure	Payable	12/31/2024	\$880,000	12/31/2024	\$880,000	12/12/2023
18-18-04	Sensus USA Inc	Master Products & Services Agreement	#5 - Renew contract for 10 year term with 3% escalation for service and materials	Payable	12/31/2023	\$1,051,758	12/31/2033	\$3,509,992	12/12/2023
2 - Human Resources									
15-02-01	Global Safety Network	Employee Screening Services	#5 - Increase funding and extend term by 2 months. Vendor name change Global Safety Network	Payable	02/28/2018	\$15,000	02/28/2025	\$24,200	
17-02-04	QCL Inc	Occupational Safety & Health Trucking Consortium	#4 - Extend the term to April 30, 2024.	Payable	02/28/2021	\$13,500	04/30/2024	\$27,500	
23-02-05	Syd Muzzy	2024 - Speaker for All-Employee Safety Presentation		Payable	01/31/2024	\$983	01/31/2024	\$983	
23-02-02	The International City Management Association Retirement Corporation db	Administration Services of the 457(b) and 401 (a) Plan #106824			03/05/2024	\$0	03/04/2029	\$0	
21 - Engineering									
24-21-01	Anixter Inc.	4/0 Underground 175Mil Cable		Payable	03/20/2025	\$129,320	03/20/2025	\$129,320	02/13/2024
24-21-03	Anixter/Wesco	Padmount Switchgear (PME-9)		Payable	07/31/2025	\$124,358	07/31/2025	\$124,358	02/13/2024
23-21-26	DJ's Electrical, Inc.	Cable Replacement/NESC Compliance & Special Projects	#1 - Labor wage increase 6% for effective 02/01/2024	Payable	01/09/2024	\$2,206,827	12/31/2024	\$2,206,827	01/09/2024

BPUD Procurement Contracts - 2024 Q1

All Contracts that Started, were Changed, or have a Commission Approval Date in 2024 Q1

Contract #	Vendor	Contract Title	Description (Co)	Receivable / Payable	Original End Date	Original NTE \$	Current End Date	Current NTE \$	Commission Date
21 - Engineering									
22-21-20	Electrical Consultants Inc (ECI)	McNary POD Design	#2 - Increase funding by \$15,000.00 for additional costs not originally known and extend term of contract to allow for time to finalize contract documents to 06/01/2024.	Payable	12/31/2022	\$115,252	06/01/2024	\$148,252	03/12/2024
24-21-02	Electrical Consultants, Inc.	Civil Engineering Services for Vista Bay 1 Metalclad Replacement Project		Payable	06/30/2024	\$15,000	06/30/2024	\$15,000	
22-21-267	Michael Praest	Lease Property For Spaw To Phillips Laydown Yard	#1 - Increase funds by \$4,875.00 and extend term of contract to October 31, 2024.	Payable	12/31/2023	\$8,000	12/31/2024	\$12,875	
24-21-07	Prater Electric, Inc.	Vista Bay 1 - Foundation, Footing, & Conduit Construction		Payable	05/17/2024	\$150,000	05/17/2024	\$150,000	03/26/2024
24-21-08	USCOC of Richland, Inc	Small Cell Master License Agreement		Receivable	02/28/2029		02/28/2029		
20-21-03	Washington State University	Power Engineering Partner Agreement	#1 - Increase funding and extend term of contract 3 years \$8,000/year	Payable	12/31/2022	\$24,000	12/31/2026	\$48,000	
22 - Customer Engineering									
14-21-09	Breeanne and Jason Dutton	Customer Generator Interconnection Agreement	#1 - Transferred from Todd and Holly Cooper to Breeanne & Jason Dutton.	Payable	06/05/2024	\$0	06/05/2024	\$0	
24-22-12	Ericka Garcia-Coria	Customer Generator Interconnection Agreement		Payable	02/19/2034	\$0	02/19/2034	\$0	
24-22-14	Jason Tanner	Customer Generator Interconnection Agreement		Payable	02/01/2034	\$0	02/01/2034	\$0	
15-51-82	Jeff Albertsen	Ely Solar Project Participation Agreement	#2 - Transferred from Selena Benavidez to Jeff Albertsen	Payable	05/22/2035		05/22/2035		

BPUD Procurement Contracts - 2024 Q1

All Contracts that Started, were Changed, or have a Commission Approval Date in 2024 Q1

Contract #	Vendor	Contract Title	Description (Co)	Receivable / Payable	Original End Date	Original NTE \$	Current End Date	Current NTE \$	Commission Date
22 - Customer Engineering									
19-21-42	Jeff Albertson	Customer Generator Interconnection Agreement	#1 - Transferred from Selena Benavidez to Jeff Albertson	Payable	06/25/2029		06/25/2029		
24-22-06	Joe F. Allen	Customer Generator Interconnection Agreement	#1 - Transferred from Gary Holbrook to Joe F. Allen	Payable	10/13/2031	\$0	10/13/2031	\$0	
21-21-126	Julia Longoria	Customer Generator Interconnection Agreement	#1 - Transferred from Joise M. Chadek to Julia Longoria	Payable	10/21/2031	\$0	10/21/2031	\$0	
24-22-02	Justin Forman	Customer Generator Interconnection Agreement		Payable	01/08/2034		01/08/2034		
24-22-04	Kori Pollington	Customer Generator Interconnection Agreement		Payable	02/06/2034	\$0	02/06/2034	\$0	
19-21-10	Lahtinen Michael	Customer Generator Interconnection Agreement	#1 - Customer adding onto the existing array but tying into all existing meters. No changes being made to current metering	Payable		\$0	03/27/2034	\$0	
24-22-11	Lucila Flores	Customer Generator Interconnection Agreement		Payable	03/13/2034	\$0	03/13/2034	\$0	
24-22-16	Marion Goodrich	Customer Generator Interconnection Agreement		Payable	03/19/2034	\$0	03/19/2034	\$0	
21-21-11	Mark and Editha Green	Customer Generator Interconnection Agreement	#1 - Transferred from Charles and Eva Darby to Mark and Editha Green	Payable	01/29/2031		01/29/2031		
24-22-08	Mark Wondrack	Customer Generator Interconnection Agreement		Payable	02/21/2034	\$0	02/21/2034	\$0	
24-22-09	Mary Husein	Customer Generator Interconnection Agreement		Payable	02/06/2034	\$0	02/06/2034	\$0	
24-22-07	Nancie Kremer	Customer Generator Interconnection Agreement		Payable	02/15/2034	\$0	02/15/2034	\$0	

BPUD Procurement Contracts - 2024 Q1

All Contracts that Started, were Changed, or have a Commission Approval Date in 2024 Q1

Contract #	Vendor	Contract Title	Description (Co)	Receivable / Payable	Original End Date	Original NTE \$	Current End Date	Current NTE \$	Commission Date
22 - Customer Engineering									
24-22-13	Rosalinda Garcia Moreno	Customer Generator Interconnection Agreement		Payable	03/18/2034	\$0	03/18/2034	\$0	
24-22-15	Sandra Bowen	Customer Generator Interconnection Agreement		Payable	02/06/2034	\$0	02/06/2034	\$0	
24-22-10	Sandra Lovato	Customer Generator Interconnection Agreement		Payable	02/26/2034	\$0	02/26/2034	\$0	
23-22-115	TopCon Solutions Store	GNSS/GPS Data Collector System and Software		Payable	02/28/2025	\$50,000	02/28/2025	\$46,057	
3 - Security									
23-03-01	Meier Enterprise Inc	Consulting Services Kennewick Admin Building Remodel	#1 - Increase funding and extend term of contract	Payable	05/14/2024	\$75,000	08/31/2024	\$87,500	
22-03-01	Sloan Security Group Inc	Security Fencing Consultant	#1 - Extend term of contract to 03/31/2024 and increase funding by \$2,340.00	Payable	12/31/2023	\$31,000	03/31/2024	\$33,340	
31 - Operations									
14-31-04	American Public Power Association	APPA Mutual Aid Agreement	#1 - Extend the expiration date five (5) years to June 2, 2029.		06/02/2023	\$0	06/02/2029	\$0	
02-31-03	Benton REA	Utility Tree Coordinator Service	#20 - Rate adjustment of \$107.25 per hour & extend term.	Receivable	12/31/2003	\$0	12/31/2024	\$0	
22-31-01	Benton REA	Utility Safety Coordinator Agreement	#1 - Increase for Utility Safety Coordinator to \$41,177.00 per year and extend term of contract to 12/31/2024.	Receivable	12/31/2023		12/31/2024		
22-31-02	Big Bend Electric	Utility Safety Coordinator Agreement	#1 -	Receivable	12/31/2023		12/31/2024		
22-31-03	City of Richland	Utility Safety Coordinator Agreement	#1 - Increase for Utility Safety Coordinator to \$41,177.00 per year and extend term of contract to 12/31/2024.	Receivable	12/31/2023	\$0	12/31/2024	\$0	

BPUD Procurement Contracts - 2024 Q1

All Contracts that Started, were Changed, or have a Commission Approval Date in 2024 Q1

Contract #	Vendor	Contract Title	Description (Co)	Receivable / Payable	Original End Date	Original NTE \$	Current End Date	Current NTE \$	Commission Date
32 - Supt of Transm & Distribtution									
22-32-02	Boyd's Tree Service	Electric Utility Pruning - Vegetation Management	#4 - Increase to 2024 Labor rates	Payable	12/31/2022	\$866,000	12/31/2024	\$2,339,000	11/28/2023
02-31-02	City Of Richland	Utility Tree Coordinator Service Agreement	#20 - Increase the rate to \$107.25 per hour and extend term of contract	Receivable	12/31/2003	\$0	12/31/2024	\$0	
02-31-01	Franklin PUD	Utility Tree Coordinator Service Agreement	#20 - Rate adjustment to \$107.25 and extend for an additional year 2024	Receivable	12/31/2016		12/31/2024		
21-32-03	Jobs Nursery LLC	Vegetation Replacement Program - Nursery Participate Agreement	#1 - Extend the term of the agreement to December 31, 2025	Payable	12/31/2023	\$5,000	12/31/2025	\$5,000	
21-32-02	Mac's Garden Center	Vegetation Replacement Program - Nursery Participate Agreement	#1 - Extend term of contract to December 31, 2025	Payable	12/31/2023	\$5,000	12/31/2025	\$5,000	
23-32-01	Miller Electric Services Inc	AMI Meter Repair Service	#2 - Add \$50,000.00 for 2024 Gen II meter exchange.	Payable	12/31/2023	\$15,000	12/31/2024	\$70,000	
16-32-05	Sierra Electric	AMI Coordinated Repair Call Out Contractor	#13 - CO to add \$50,000.00 for 2024 Gen II meter exchange.	Payable	12/31/2016	\$10,000	12/31/2024	\$98,000	
18-32-02	Tolman Electric	Coordinated AMI Electrical Repair	#8 - Add \$50,000.00 for AMI coordinated electrical repair associated with 2024 Gen II meter exchange.	Payable	12/31/2018	\$5,000	12/31/2024	\$80,000	
23-32-03	Tyndale Enterprises Inc	Online Managed FR Clothing Program		Payable	12/31/2026	\$165,000	12/31/2026	\$165,000	

BPUD Procurement Contracts - 2024 Q1

All Contracts that Started, were Changed, or have a Commission Approval Date in 2024 Q1

Contract #	Vendor	Contract Title	Description (Co)	Receivable / Payable	Original End Date	Original NTE \$	Current End Date	Current NTE \$	Commission Date
35 - Transformer Shop									
23-35-01	SD Myers LLC	Oil Testing Service	#1 - Change order to the above contract with SD Myers, LLC increasing the amount by \$2,000 to Line 1 bringing the new total not to exceed amount to \$34,000 to cover the cost of unanticipated oil testing.	Payable	05/24/2024	\$32,000	05/24/2024	\$34,000	
38 - Support Services									
24-38-02	Absco Solutions	Door Access Additions & ACM Gates and Admin Remodel		Payable	10/31/2024	\$65,856	10/31/2024	\$65,856	
21-38-04	Cook Security Group	Maintenance and Repair to Drive Thru System	#1 - Extend term of contract for one year and add funds	Payable	12/31/2023	\$15,000	12/31/2024	\$20,000	
22-38-07	SealX LLC	Custodial Services State Contract #05919	#1 - Extend term of contract to 03/31/2024 and increase funding by \$27,639.08.		12/31/2023	\$107,556	03/31/2024	\$135,195	02/13/2024
41 - Retail Services									
01-41-05	Bonneville Power Administration	Dark Fiber License Agreement	#13 - Extend term to December 31, 2024 and increase the NTE by \$4,000.00.		08/27/2003	\$21,000	12/31/2023	\$115,000	04/14/2009
43 - Communications									
02-43-19	Prosser Economic Development Council (PEDA)	Provide Research And Reference Services	#21 - Extend term to December 31, 2024 and increase the funding by \$3000	Payable	12/31/2002	\$2,000	12/31/2024	\$49,500	
44 - Customer Service									
24-44-03	Gary Prout	Pay As You Go - Gary Prout		Receivable	01/01/2034		01/01/2034		
23-44-22	Leslie Osborne	Pay As You Go - Leslie Osborne		Receivable	01/01/2034	\$0	01/01/2034	\$0	
24-44-01	Veronica J Delangel	Pay As You Go - Veronica J Delangel	#1 -	Receivable	01/01/2034	\$0	01/01/2034	\$0	

BPUD Procurement Contracts - 2024 Q1

All Contracts that Started, were Changed, or have a Commission Approval Date in 2024 Q1

Contract #	Vendor	Contract Title	Description (Co)	Receivable / Payable	Original End Date	Original NTE \$	Current End Date	Current NTE \$	Commission Date
45 - Energy Programs									
23-45-42	Benton Franklin Community Action Connection	Implementation of Energy Conservation Measures through a Low-Income Energy Conservation Program		Payable	12/31/2024	\$225,000	12/31/2024	\$225,000	12/12/2023
01-45-01	Bonneville Power Administration/Energy Star Program	Energy Star Program	#1 - Modified internally the way tracking of contracts is done no longer using on-going specifying Internal Term for Review date.		09/01/2022	\$0	09/01/2026	\$0	
46 - Broadband									
24-46-01	City of Richland	Lease Agreement - Fiber Optic Cable (1900 Fowler)		Payable	03/31/2029	\$8,100	03/31/2029	\$8,100	
23-46-21	Northwest Open Access Network (NoaNet)	Network Coordinated Services		Payable	12/31/2024	\$1,218,260	12/31/2024	\$1,218,260	
10-46-12	Northwest Open Access Network (NoaNet)	Co-Location Space DC Power Verizon To Highlands	#11 - Increase the NTE by \$17,520.00 and extend term to December 31, 2024	Payable	07/14/2011	\$57,740	12/31/2024	\$252,440	12/12/2023
21-46-12	Paramount Communications Inc	Broadband Related Construction Services - (State Contract #05620 -IT Cabling)	#4 - Updated Unit prices from State Contract	Payable	11/30/2022	\$700,000	11/30/2024	\$2,200,000	
51 - Power Management									
21-51-03	Bonneville Power Administration	Customer Portal Access & Use Agreement	#17 - Update user status for portal access		11/11/2022	\$0	11/11/2024	\$0	
15-51-26	Delvin C. and Peggy Albertson	Ely Solar Project Participation Agreement	#1 - Transferred from Patricia Turner to Delvin C. and Peggy Albertson	Payable	06/30/2035		06/30/2035		

BPUD Procurement Contracts - 2024 Q1


All Contracts that Started, were Changed, or have a Commission Approval Date in 2024 Q1

Contract #	Vendor	Contract Title	Description (Co)	Receivable / Payable	Original End Date	Original NTE \$	Current End Date	Current NTE \$	Commission Date
51 - Power Management									
13-51-03	ICE Trade Vault LLC	ICE Trade Vault Participant Agreement	#7 - Modified internally the way tracking of contracts is done - no longer using on-going specifying Internal Term for Review Date. For this contract that will be 06/14/2024	Payable		\$5,000	06/12/2024	\$69,800	
18-51-02	K & L Gates LLP	Legal Services for Rec Agreements	#7 - Extend term of contract to December 31, 2024 and increase contract amount by \$10,000.00	Payable	12/31/2019	\$5,000	12/31/2022	\$103,000	
02-51-10	Morgan Stanley & Co. LLC	ISDA Master Agreement	#2 - Modified internally the way tracking of contracts is done - no longer using on-going specifying Internal Term for Review Date.		05/31/2023	\$0	12/31/2023	\$0	
23-51-03	The Energy Authority (TEA)	Resource Management Agreement & Task Order 1	#2 - White Creek Wind Energy with Green Attributes for calendar year 2024 confirmation V2024 REC's	Payable	09/30/2028	\$2,500,000	09/30/2028	\$2,500,000	08/22/2023



<input type="checkbox"/>	Business Agenda
<input type="checkbox"/>	Second Reading
<input checked="" type="checkbox"/>	Consent Agenda
<input type="checkbox"/>	Info Only/Possible Action
<input type="checkbox"/>	Info Only

COMMISSION MEETING AGENDA ITEM

Subject:	Contract Recommendation – NEOGOV – Contract #24-18-03	
Agenda Item No:	6h	
Meeting Date:	April 23, 2024	
Authored by:	Jennifer Holbrook	<i>Staff Preparing Item</i>
Presented by:	Jennifer Holbrook	<i>Staff Presenting Item</i>
Approved by (dept):	Chris Folta	<i>Director/Manager</i>
Approved for Commission review:	Rick Dunn 	

Motion for Commission Consideration

Motion to authorize the General Manager on behalf of the District to sign Contract #24-18-03 with NEOGOV, for a not-to-exceed amount of \$211,908.42 plus Washington State sales tax with a term from September 15, 2024 through April 30, 2030.

Background/Summary

The District originally entered into a contract with NEOGOV in 2019 after conducting an evaluation of software packages to support Human Resource functions. NEOGOV was selected due to their focus on public sector employers, the flexibility and ease of configuring their software tools and the modular nature of their software suite. Two of their modules (GovernmentJobs.com and Insight) were implemented in 2019 to support recruiting efforts. In 2021 the District added the Learn module to present and track training content for employees. In 2022, Perform was added as the performance management module for staff.

The initial term of the agreement with NEOGOV was a five-year term, which expires in September of 2024. Staff is overall pleased with the NEOGOV suite of software and the services we receive. NEOGOV has provided a quote with fixed software as a service pricing for the next five years.

Recommendation

Staff recommends executing a new five-year agreement with NEOGOV to provide software as a service to support HR related functions.

Fiscal Impact

The costs for NEOGOV are budgeted annually in the operating budget for Department 18.

NEOGOV ORDER FORM			
NEOGOV: GovernmentJobs.com, INC. (dba "NEOGOV") 2120 Park Place, Suite 100 El Segundo, CA 90245 billing@neogov.com		Customer Name & Address: Public Utility District No. 1 of Benton County (WA) 2721 W 10th Avenue Kennewick, WA 99336	
Quote Creation Date:	04/02/2024	Contact Name:	Jennifer Holbrook
Quote Expiration Date:	30 days from Quote Creation	Contact Email:	holbrooj@bentonpud.org
Payment Terms	Annual. Net 30 from NEOGOV invoice.		FTE:
Subscription Start Date:	09/15/2024		
Subscription Term (months):			

Fee Summary		
Service Description	Term	Term Fees
Governmentjobs.com Subscription (GJ)	09/15/2024 - 04/30/2025	\$1,226.83
Insight Subscription (IN)	09/15/2024 - 04/30/2025	\$4,972.64
	2024 Total:	\$6,199.47
Governmentjobs.com Subscription (GJ)	05/01/2025 - 04/30/2026	\$2,081.84
Insight Subscription (IN)	05/01/2025 - 04/30/2026	\$8,438.21
Perform Subscription (PE)	05/01/2025 - 04/30/2026	\$11,071.99
Learn Subscription (LE)	05/01/2025 - 04/30/2026	\$14,899.99
	2025 Total:	\$36,492.03
Governmentjobs.com Subscription (GJ)	05/01/2026 - 04/30/2027	\$2,206.75
Insight Subscription (IN)	05/01/2026 - 04/30/2027	\$8,944.51
Perform Subscription (PE)	05/01/2026 - 04/30/2027	\$11,736.31
Learn Subscription (LE)	05/01/2026 - 04/30/2027	\$15,793.98
	2026 Total:	\$38,681.55
Governmentjobs.com Subscription (GJ)	05/01/2027 - 04/30/2028	\$2,339.16
Insight Subscription (IN)	05/01/2027 - 04/30/2028	\$9,481.18
Perform Subscription (PE)	05/01/2027 - 04/30/2028	\$12,440.48
Learn Subscription (LE)	05/01/2027 - 04/30/2028	\$16,741.62
	2027 Total:	\$41,002.44
Governmentjobs.com Subscription (GJ)	05/01/2028 - 04/30/2029	\$2,479.50
Insight Subscription (IN)	05/01/2028 - 04/30/2029	\$10,050.05
Perform Subscription (PE)	05/01/2028 - 04/30/2029	\$13,186.91
Learn Subscription (LE)	05/01/2028 - 04/30/2029	\$17,746.12
	2028 Total:	\$43,462.59
Governmentjobs.com Subscription (GJ)	05/01/2029 - 04/30/2030	\$2,628.28
Insight Subscription (IN)	05/01/2029 - 04/30/2030	\$10,653.05
Perform Subscription (PE)	05/01/2029 - 04/30/2030	\$13,978.13
Learn Subscription (LE)	05/01/2029 - 04/30/2030	\$18,810.89
	2029 Total:	\$46,070.34
	Total:	\$211,908.42

A. Terms and Conditions

1. Agreement. This Ordering Document and the Services purchased herein are expressly conditioned upon the acceptance by Customer of the terms of the NEOGOV Services Agreement either affixed hereto or the version most recently published prior to execution of this Ordering Form available at <https://www.neogov.com/service-specifications>. Unless otherwise stated, all capitalized terms used but not defined in this Order Form shall have the meanings given to them in the NEOGOV Services Agreement.
2. Effectiveness & Modification. The Effective Date shall be the Subscription Start Date. This Order Form may not be modified or amended except through a written instrument signed by the parties.
3. Summary of Fees. Listed above is a summary of Fees under this Order. Once placed, your order shall be non-cancelable and the sums paid nonrefundable, except as provided in the Agreement.
4. Order of Precedence. This Ordering Document shall take precedence in the event of direct conflict with the Services Agreement, applicable Schedules, and Service Specifications.

B. Special Conditions (if any).


IN WITNESS WHEREOF, this Order has been executed by such party's duly authorized signatory as of the date set forth below, and such duly authorized signatory consents to the Agreement.

Customer	Governmentjobs.com, Inc. (DBA "NEOGOV")
Entity Name: Public Utility District No. 1 of Benton County Signature: _____ Print Name: Rick Dunn, General Manager Date: April 23, 2024	



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

COMMISSION MEETING AGENDA ITEM

Subject:	CORRECTION: Contract Award, Vista Bay 2 - 15kV Metalclad Switchgear, Bid Package 24-21-04	
Agenda Item No:	6i	
Meeting Date:	April 23, 2024	
Authored by:	Sophia VanFosson	<i>Staff Preparing Item</i>
Presented by:	Evan Edwards	<i>Staff Presenting Item</i>
Approved by (dept):	Steve Hunter	<i>Director/Manager</i>
Approved for Commission review:	Rick Dunn 	<i>General Manager/ Asst. GM</i>

Motion for Commission Consideration

Motion to declare Central Electric dba Avail Switchgear non-responsive for BID #24-21-04 - Vista Bay 2 15kV Metalclad Switchgear and authorizing the General Manager on behalf of the District to sign Contract #24-21-04 - Vista Bay 2 15kV Metalclad Switchgear to States Manufacturing; for the total amount of **\$758,000.00 plus Washington State sales tax** in accordance with RCW 54.

Background/Summary

Substation upgrades are an ongoing part of the District’s mission to improve system reliability, efficiency, and safety. When attainable, the District identifies system improvement projects that are recommended to ensure compliance with system performance standards, including equipment and control upgrades.

After researching the history of equipment improvements, Engineering staff determined that the existing metalclad switchgear at Vista Bay 2 is nearing the end of its functional life. To ensure the functionality of the substation is maintained, replacing the entirety of the switchgear is more beneficial than individual equipment and control replacements.

Bids were opened on Tuesday, March 19, 2024, for the metalclad switchgear for Work Order 694356 at Vista Substation. The District received the bids as follows:

Manufacturer	Unit Price	Delivery Date
Central Electric DBA Avail Switchgear	\$716,550.00	60 Weeks
States Manufacturing	\$758,000.00	51 Weeks
Myers Power Production	\$854,188.00	70 – 78 Weeks
Siemens	\$950,000.00	73 Weeks

Central Electric dba Avail Switchgear was the lowest bidder. However, they took exceptions to the specification and do not have firm pricing. States Manufacturing was the next lowest

responsive bidder, took no exemptions to the specification, a shorter lead time, and firm pricing.

Recommendation

Staff recommends the District award Bid Package 24-21-04 to States Manufacturing. By acquiring this new metalclad switchgear, the District ensures the long term, dependable operation of Vista Bay 2 by providing equipment that improves system reliability and safety. This new equipment also ensures improved SCADA visibility into the Vista Bay 2 operating framework.

Fiscal Impact

Work Order 694356 budgeted at \$1,144,502.00. The proposed 2025 Capital Budget reflects the approved estimated cost, including the price of the metalclad switchgear and necessary substation upgrades for the project.



CONTRACT
#24-21-04

This agreement is made and entered into on the 26th day of March, 2024, by and between:

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

AND

STATES MANUFACTURING CORPORATION, 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 Vista Bay 2 15kV Metalclad Switchgear per specifications in Bid Pkg. #24-21-04.

2. DELIVERY & ACCEPTANCE:

The Contractor shall deliver the Vista Bay 2 15kV Metalclad Switchgear F.O.B. destination to Benton PUD by; 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 Six Hundred Seventy Thousand Dollars (\$758,000.00), plus applicable Washington State Sales Tax.

4. GUARANTEE:

The Contractor guarantees the Vista Bay 2 15kV Metalclad Switchgear against all defects in workmanship, materials, and in design as stated on the warranty provided by States Manufacturing Corporation.

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.

**PUBLIC UTILITY DISTRICT NO. 1
OF BENTON COUNTY**

STATES MANUFACTURING CORPORATION

BY: _____

BY: _____

PRINT: _____

PRINT: _____

TITLE: _____

TITLE: _____

DATE: _____

DATE: _____

UBI NO. _____

P E R F O R M A N C E B O N D

KNOW ALL MEN BY THESE PRESENTS: That whereas, **Public Utility District No. 1 of Benton County**, Washington, a municipal corporation, hereinafter designated as the "District", has entered into an agreement dated March 23, 2024, With, hereinafter designated as the "Contractor", providing Vista Bay 2 15kV Metalclad Switchgear, which agreement is on file at the District's office and by this reference is made a part hereof.

NOW, THEREFORE, We, the undersigned Contractor, as principal, and a corporation organized and existing under and by virtue of the laws of the State of _____ and duly authorized to do a surety business in the State of Washington, as surety, are held and firmly bound into the State of Washington and the District in the sum of

(\$758,000.00 plus Washington State Sales Tax)

for the payment of which we do jointly and severally bind ourselves, our heirs, executors, administrators, successors, and assigns by these presents.

THE CONDITIONS OF THIS OBLIGATION are such that if the said principal, his heirs, representatives or successors, shall well and truly keep and observe all of the covenants, conditions, and agreements in said contract and shall faithfully perform all of the provisions of the contract, pay all taxes of the Contractor arising therefrom, and pay all laborers, mechanics, subcontractors, and material men and all persons who shall supply such person or subcontractors with provisions and supplies for carrying on such work, and shall indemnify and save harmless the District, their officers, and agents, from any and all claims, actions or damage of every kind and description including attorneys' fees and legal expense and from any pecuniary loss resulting from the breach of any of said terms, covenants, or conditions to be performed by the Contractor:

AND FURTHER, that the Contractor will correct or replace any defective work or materials discovered by the said District within a period of one year from the date of

acceptance of such work or material by said District, then this obligation shall become null and void; otherwise, it shall be and remain in full force and effect.

No change, extension of time, alteration or addition to the work to be performed under the agreement shall in any way affect Contractor's or surety's obligation on this bond, and surety does hereby waive notice of any change, extension of time, alterations or additions thereunder.

This bond is furnished in pursuance of the requirements of Sections 54.04.080 et seq. of Revised Code of Washington, and, in addition to other Contractor and surety to the District for the use and benefit of said District together with all laborers, mechanics, subcontractors, material men, and all persons who supply such person or subcontractors with provisions and supplies for the carrying on of the work covered by the agreement to the extent required by said Revised Code of Washington.

IN WITNESS WHEREOF, the said Contractor and the said surety have caused this bond to be signed and sealed by their duly authorized officers this ____ day of _____, 2022.

Surety

Title


Contractor

Title



<input checked="" type="checkbox"/>	<i>Business Agenda</i>
<input type="checkbox"/>	<i>Second Reading</i>
<input type="checkbox"/>	<i>Consent Agenda</i>
<input type="checkbox"/>	<i>Info Only/Possible Action</i>
<input checked="" type="checkbox"/>	<i>Info Only</i>

COMMISSION MEETING AGENDA ITEM

Subject:	Report on 2023 Internal Audits & 2024 Internal Audit Plan	
Agenda Item No:	8a	
Meeting Date:	April 23, 2024	
Authored by:	Kent Zirker	<i>Staff Preparing Item</i>
Presented by:	Kent Zirker	<i>Staff Presenting Item</i>
Approved by (dept):	Jon Meyer	<i>Director/Manager</i>
Approved for Commission review:	Rick Dunn 	<i>General Manager/Asst GM</i>

Motion for Commission Consideration:

None.

Background/Summary

In accordance with the District’s Governance Policies, staff identifies an internal audit plan each year and provides the Commission with an update of the results of those audits. Included are results of 2023 internal audits as well as the 2024 internal audit plan.

2023 Internal Audits

Routine Internal Audits

The Accounting staff, including other departments, completed routine audits as scheduled, which in part included monthly surprise cash counts, adjustments to employee accounts, review of city occupation tax, and Configuration Change Management. Staff also participated in the annual physical count of inventory. These audits were completed with no significant items to note. Scheduled routine audits will continue to be completed as scheduled.

Special Internal Audits

The following special internal audits were conducted and completed with no significant items to note:

1. Performed a review of documentation contained in Human Resource’s general information file for each District employee. This audit helped to ensure allowed general

information documents for each employee were in each file and out of date information was removed.

2. Performed a follow up review of IT asset tracking to determine if assets were being accounted for and tracking information required by IT policy was up to date.
3. Performed a review of IT Policies. Determine if policies were being followed as written; if not, determined if the policy should be updated or current practices should change. Reviewed policy wording and provided comments to IT management as necessary.
4. Performed a review of Auto Shop purchase card transactions, specifically parts transactions. Determined primary parts purchased and primary vendors. Performed price comparisons to determine if current practices were reasonable.
5. Performed a review of mileage reporting of fleet assets. Determined if the asset tracking list was up to date and current mileage was being properly collected and reported to Payroll.

2024 Audit Plan

In addition to routine audits, special audits planned for 2024 include IT policies (part 2) and reviewing HR sensitive employee files. Staff will periodically review the plan to consider if it should be updated. In accordance with the Governance Policies, the District Auditor has developed an internal audit plan for 2024 and will provide a periodic update of internal audit activities being performed.

Recommendation

None

Fiscal Impact

None

PUBLIC UTILITY DISTRICT NO. 1 OF BENTON COUNTY
Internal Audits
2023

SPECIAL AUDITS

HR Employee Documentation

Perform a review of documentation contained in Human Resource's general information file for each District employee. This audit helps to ensure allowed general information documents for each employee are in each file and out of date information is removed.

Results

All District employee files were reviewed, allowed documents were retained in the files, and discrepancies found were resolved in a timely manner. There were no questions or further audit work of the District's files.

IT Inventory – Follow Up

Scope

Perform a follow up review of IT asset tracking to determine if assets are being accounted for and tracking information required by IT policy is up to date.

Results

Accounting staff selected 75 IT assets for review. All selected IT assets were accounted for; however, we found not all information required by IT policy was included in the asset tracking system. We reaffirmed the recommendation to update asset information and the IT policy as needed to IT management.

IT Policies – Part 1

Scope

Perform a review of IT Policies. Determine if policies are being followed as written; if not, determine if the policy should be updated or current practices should change. Review policy wording and provide comments to IT management as necessary.

Results

Accounting reviewed 13 IT policy related documents, which included, Resolution 2260, IT Policy No. 25, Policy Procedures 25a - 25j, and IT Department Procedure No. 2. Each document was reviewed with IT staff, comments were provided and discussed. Minor recommendations were made regarding wording; although, as a whole IT policies are being followed. No further audit work is needed.

Purchase Card**Scope**

Perform a review of Auto Shop purchase card transactions, specifically parts transactions. Determine primary parts purchased and primary vendors. Perform price comparisons to determine if current practices are reasonable.

Results

Auto Shop practices were reviewed, price comparisons were made on frequently purchased items; such as, batteries and filters to other local vendors. Based on work performed, current practices are reasonable. The District is receiving a reasonable price with its current vendors.

Fleet Assets Mileage Reporting**Scope**

Perform a review of mileage reporting of fleet assets. Determine if the asset tracking list is up to date and current mileage is being properly collected and reported to Payroll.

Results

The review found not all vehicle mileage was being reported to Accounting. Current practices have been updated to ensure mileage is reported and future changes in assets is captured as well.

ROUTINE AUDITS**Physical Inventory**

The District's annual physical count of inventory items was conducted in October 2023. A total of 1493 items valued at \$8.8 million were counted with a net shortage of \$9,862.

Benton Franklin Community Action Connection (CAC)

An audit was performed reviewing 15 files for customers receiving low-income assistance with conservation measures in 2023. No exceptions were noted.

City Tax Audit**Scope**

The District regularly updates its data and audits for tax compliance. District staff review changes in city boundaries and irrigated parcels over five acres within city limits.

Results

Variances were reviewed and resolved in a timely manner.

Sales/Use Tax Review**Scope**

Four internal audits were conducted during 2023 of the District's accounts payable and purchase card transactions, two each respectively. The reviews included 99% of the dollar value of the District's accounts payable and purchase card transactions. Research was conducted on questionable items for compliance with State laws and follow-up communications were made with the appropriate staff.

Results

For accounts payable transactions, a review of 3,785 voucher lines identified a net underpayment of \$3,264 of sales/use tax. For purchase card transactions, a review of 3,141 transactions identified a net underpayment of \$220 of sales/use tax. The District's records were corrected and the net amount due from the District was applied on the next excise tax remittance to the Department of Revenue.

Surprise Cash Counts**Scope**

Surprise cash counts are conducted each month with a program to count all 20 cash drawers and petty cash funds in both Kennewick and Prosser offices during a two-year cycle. The objective of these surprise cash counts is to ensure compliance with the District's *Cash Control Policy* and the *Petty Cash Policy and Procedure*. A report of each surprise cash count is made to the Senior Director of Finance & Customer Service and Customer Service management.

Results

No notable discrepancies were noted during the 2023 surprise cash counts.

Adjustments to Employee Accounts**Scope**

An internal audit is performed on a semi-annual basis to review adjustments to employee accounts in NISC Service module. The objective of this audit is to ensure that no employee is granted preferential treatment and that all account activity conforms to standard District policies and procedures.

Results

The results of audits conducted were reviewed with the Senior Director of Finance and Customer Service and Customer Service management. No unusual activity was noted during the year.

Cashier Over/Shorts**Scope**

An internal audit is performed on a semi-annual basis to review cashier overages and shortages in the NISC Service module. The objective of this audit is to ensure compliance with the District's *Cash Control Policy* and to provide performance information to management. This excludes deposits for electronic payment transactions, such as sales of wholesale power, investment maturities, and customer payments received directly or through District self-service

payment options or customer bank bill payment sites. The results of audits were reviewed with the Senior Director of Finance and Customer Service and Customer Service management.

Results

For the period of July 2022 to December 2022, 9,430 cash payments were tendered for approximately \$1.1 million. Of this total, there were 7 overages and 4 shortages for a net variance of \$35 and an error rate of 1.2 per 1,000 transactions.

For the period of January 2023 to June 2023, 9,514 cash payments were tendered for approximately \$1.4 million. Of this total, there were 8 overages and 3 shortages for a net variance of \$8 and an error rate of 1.1 per 1,000 transactions.

Configuration Change Management

Scope

IT staff performed a review of application changes for the Track-it, phone, SSIS, and AMI systems, as outlined in the IT Configurations and Change Management Program. The primary scope of the review was to ensure changes to the application were tracked, reviewed, approved, and controlled in accordance with District policies. In addition, IT staff performed its annual user security audit of the SCADA, Cascade, TRIM, CIS, ABS, OMS, GIS, and AMI systems.

Results

There were no significant exceptions found.

PUBLIC UTILITY DISTRICT NO. 1 OF BENTON COUNTY
Internal Audit Plan
2024

Purpose: The internal audit plan is intended to demonstrate efforts by the District Auditor to provide reasonable assurance as to the internal control systems that provide for the safeguarding of assets from unauthorized use or disposition, adherence to District plans, policies, and procedures, and compliance with applicable laws and regulations. It is also intended to comply with the District's Governance Policies.

The internal audit program is intended to provide management and employees with guidelines of good business practices and controls to assist them in fulfilling their responsibilities to the District. Various controls will be assessed through the internal audit process, and audits may be addressed proactively or investigated as a result of issues raised by management, employees or the Commission. Internal audits may not be inclusive of all risks, and sound management judgment should be exercised in all matters of District business.

Planning: Each employee performing an internal audit will determine and understand the District's related policies and procedures, as well as any State or federal legal provisions related to the audit.

Procedure: Internal audit procedures will be developed for recurring internal audits, such as surprise cash counts and employee accounts, and for special audits.

Documentation: Appropriate documentation will be maintained for each internal audit.

Reports: The results of internal audits will be reviewed by the District Auditor and shared with the appropriate management. The District Auditor will report to the Commission on the progress and results of internal audits in accordance with the Governance Policies.

PUBLIC UTILITY DISTRICT NO. 1 OF BENTON COUNTY
Internal Audit Plan
2024

The following internal audits were conducted during 2023 (see Attachment I):

Audit Scope	Audit Period	Date Completed
Special Audits:		
HR- General Employee Files	2023	2023 Q3
IT Inventory – follow up	2023	2023 Q4
IT Policies (Part 1)	2023	2024 Q1
Purchase Card	2022-23	2023 Q3
Fleet Assets Mileage Reporting	2023	2023 Q4
Routine Audits:		
Configuration Change Management	2023	2023 Q4
Surprise cash counts	Ongoing	Monthly
City tax audit	Ongoing	2023 Q4
CAC file review	2023	2023 Q3
Sales/use tax review (semi-annual)	7/22 - 6/23	2023 Q2, 2023 Q4
Cashier overs/shorts (semi-annual)	7/22 - 6/23	2023 Q2, 2023 Q4
Employee account adjustments (semi-annual)	7/22 - 6/23	2023 Q2, 2023 Q4
Physical count of District inventory	2023	2023 Q4


The following internal audits are planned for 2024:

Audit Scope	Audit Period	Date Scheduled
Special Audits:		
HR- Confidential Employee Files	2024	Q3
IT Policies (Part 2)	2024	Q4
Routine Audits:		
Configuration Change Management	2023	Q4
Surprise cash counts	Ongoing	Monthly
City tax audit	Ongoing	Quarterly
CAC file review	2023	Q3
Sales/use tax review (semi-annual)	7/22 - 6/23	Q2, Q4
Cashier overs/shorts (semi-annual)	7/22 - 6/23	Q2, Q4
Employee account adjustments (semi-annual)	7/22 - 6/23	Q2, Q4
Physical count of District inventory	2023	Q4



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

COMMISSION MEETING AGENDA ITEM

Subject:	Contract Award Recommendation - 2024-2025 LTC Power Transformers – Bid Package #24-21-06	
Agenda Item No:	8b	
Meeting Date:	April 23, 2024	
Authored by:	Evan Edwards	<i>Staff Preparing Item</i>
Presented by:	Evan Edwards	<i>Staff Presenting Item</i>
Approved by (dept):	Steve Hunter	<i>Director/Manager</i>
Approved for Commission review:	Rick Dunn 	<i>General Manager</i>

Motion for Commission Consideration

Motion to award the contract for 2024-2025 LTC Power Transformers, Bid Package #24-21-06, to Virginia Transformer Corp. of Roanoke, VA, for the total not to exceed amount of \$2,619,000.00 plus Washington State sales tax in accordance with RCW 54.04.080.

Background/Summary

This bid award is for two-line items (Sister Units):

- Line Item 1 - 15/20/25 MVA LTC Power Transformer
- Line Item 2 - 15/20/25 MVA LTC Power Transformer

The District’s Substation Power Transformer Fleet is aging with 4 units being 60+ years old and 18 units 50+ years old. District maintenance practices ensure all the District’s transformers receive the best maintenance and testing possible in order to make predictions related to transformer’s health. Through strategic planning the District made plans to keep spare power transformers of all transformers in service at the District as well maintain our mobile power transformer in the event of failure.

In some cases, failure cannot be predicted as was the case on 12/24/2023 when an LTC transformer failed in Bay #2 at Ely Substation. During this failure engineering and operations used our mobile power transformer to provide service while operations determined if the transformer could be repaired and returned to service immediately. Testing indicated that immediate repairs were not possible, and our spare unit was then installed leaving the District without a spare 25MVA LTC Power Transformer on hand. The District is still exploring options for possible repair to the failed LTC transformer.

The District’s Five-Year Capital Plan had line items for the purchase of a LTC transformer in both 2025 and 2027. The failure of the unit at Ely Substation has accelerated the need to order both

units now and staff will evaluate future procurements during the next budgeting cycle. The District went out for bid and staff opened bids on April 10th at 3:00 pm for two LTC power transformers and were evaluated for losses and ranked by evaluated cost. Evaluated cost includes the value of electric losses. Results were as follows:

Line-Item 1			
Manufacturer	Evaluated Cost (\$)	Unit Bid Price (\$)	Engineer's Estimate (\$)
Virginia Transformer (VTC)	1,424,170	1,309,500	1,650,000
Niagara Power Transformer	1,584,612	1,431,735	
OTC Services	1,712,783	1,603,457	
Pennsylvania Transformer	1,857,165	1,735,182	
WEG Transformers	1,912,530	1,805,318	
Anixter - Hitachi	2,368,692	2,248,433	

Line-Item 2			
Manufacturer	Evaluated Cost (\$)	Unit Bid Price (\$)	Engineer's Estimate (\$)
Virginia Transformer (VTC)	1,424,170	1,309,500	1,650,000
Niagara Power Transformer	1,584,612	1,431,735	
OTC Services	1,712,783	1,603,457	
Pennsylvania Transformer	1,857,165	1,735,182	
WEG Transformers	1,912,530	1,805,318	
Anixter - Hitachi	2,368,692	2,248,433	

Lead times on these units ranged from 50 to 180 weeks, Virginia Transformer's lead time was 80-84 weeks equating to late November or early December 2025 Delivery.

Recommendation

Awarding this bid to Virginia Transformer will ensure the District replaces the spare unit used at Ely Substation and provides an additional unit on hand to put towards the District's aging fleet of Power Transformers. Specific locations for these transformers have yet to be determined. These transformers will be ordered into inventory and will be charged to specific work orders once the locations have been determined.

Fiscal Impact

The 2024 budget does not include a line item for LTC Power Transformers. These transformers will be purchased into inventory initially. The District will see charges per the payment schedule in the amount \$570,000 in 2024 which will require a 2024 budget amendment. The remainder will be included in the 2025 budget along with associated work orders for installation at specific substations.



CONTRACT
#24-21-06

This agreement is made and entered into on the 23rd day of April 2024, by and between:

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

AND

VIRGINIA TRANSFORMER CORPORATION, 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 2024-2025 LTC Power Transformers per specifications in Bid Pkg. #24-21-06.

2. DELIVERY & ACCEPTANCE:

The Contractor shall deliver the 2024-2025 LTC Power Transformers F.O.B. destination to Benton PUD by; 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 2 Million Six Hundred Nineteen Thousand Dollars (\$2,619,000.00); plus applicable Washington State Sales Tax.

4. GUARANTEE:

The Contractor guarantees the 2024-2025 LTC Power Transformers against all defects in workmanship, materials, and in design as stated on the warranty provided by States Manufacturing Corporation.

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.

**PUBLIC UTILITY DISTRICT NO. 1
OF BENTON COUNTY**

VIRGINIA TRANSFORMER CORPORATION

BY: _____

BY: _____

PRINT: _____

PRINT: _____

TITLE: _____

TITLE: _____

DATE: _____

DATE: _____

UBI NO. _____

P E R F O R M A N C E B O N D

KNOW ALL MEN BY THESE PRESENTS: That whereas, **Public Utility District No. 1 of Benton County**, Washington, a municipal corporation, hereinafter designated as the "District", has entered into an agreement dated April 23, 2024, With, hereinafter designated as the "Contractor", providing 2024-2025 LTC Power Transformers, which agreement is on file at the District's office and by this reference is made a part hereof.

NOW, THEREFORE, We, the undersigned Contractor, as principal, and a corporation organized and existing under and by virtue of the laws of the State of _____ and duly authorized to do a surety business in the State of Washington, as surety, are held and firmly bound into the State of Washington and the District in the sum of

(\$2,619,000.00 plus Washington State Sales Tax)

for the payment of which we do jointly and severally bind ourselves, our heirs, executors, administrators, successors, and assigns by these presents.

THE CONDITIONS OF THIS OBLIGATION are such that if the said principal, his heirs, representatives or successors, shall well and truly keep and observe all of the covenants, conditions, and agreements in said contract and shall faithfully perform all of the provisions of the contract, pay all taxes of the Contractor arising therefrom, and pay all laborers, mechanics, subcontractors, and material men and all persons who shall supply such person or subcontractors with provisions and supplies for carrying on such work, and shall indemnify and save harmless the District, their officers, and agents, from any and all claims, actions or damage of every kind and description including attorneys' fees and legal expense and from any pecuniary loss resulting from the breach of any of said terms, covenants, or conditions to be performed by the Contractor:

AND FURTHER, that the Contractor will correct or replace any defective work or materials discovered by the said District within a period of one year from the date of

acceptance of such work or material by said District, then this obligation shall become null and void; otherwise, it shall be and remain in full force and effect.

No change, extension of time, alteration or addition to the work to be performed under the agreement shall in any way affect Contractor's or surety's obligation on this bond, and surety does hereby waive notice of any change, extension of time, alterations or additions thereunder.

This bond is furnished in pursuance of the requirements of Sections 54.04.080 et seq. of Revised Code of Washington, and, in addition to other Contractor and surety to the District for the use and benefit of said District together with all laborers, mechanics, subcontractors, material men, and all persons who supply such person or subcontractors with provisions and supplies for the carrying on of the work covered by the agreement to the extent required by said Revised Code of Washington.

IN WITNESS WHEREOF, the said Contractor and the said surety have caused this bond to be signed and sealed by their duly authorized officers this ____ day of _____, 2024.

Surety

Title


Contractor

Title



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

COMMISSION MEETING AGENDA ITEM

Subject:	Setting a Public Hearing - Granting the City of Kennewick Wet Utility Easements at the District’s 1111 N. Edison St. and 6190 W. Brinkley Rd. Substation Properties	
Agenda Item No:	8c	
Meeting Date:	April 23 rd , 2024	
Authored by:	Evan Edwards	<i>Staff Preparing Item</i>
Presented by:	Evan Edwards	<i>Staff Presenting Item</i>
Approved by (dept):	Steve Hunter	<i>Director/Manager</i>
Approved for Commission review:	Rick Dunn 	<i>General Manager</i>

Motion for Commission Consideration

Motion setting a Public Hearing on granting easement rights on two separate District owned properties located at 1111 N. Edison Street and 6190 W. Brinkley Rd. to the City of Kennewick on behalf of underlying developers. Public hearing to be held on May 14th 2024, at 9:00 a.m., at the District’s Administration Office located at 2721 West 10th Avenue, Kennewick, WA, as well as via MS Teams at 1-323-553-2644, conference ID 576 372 107#.

Background/Summary

District Staff recently received two separate requests for easements crossing small portions of District owned Substation Properties.

Location 1 - This request is for a wet utilities easement crossing a portion of District owned substation property at 6190 W. Brinkley Road.

Location 2 - This request is for a wet utilities easement crossing a portion of District owned substation property at 1111 N Edison Street.

Recommendation

Approve the motion to set a public hearing. Engineering Staff will give a brief presentation on both location requests to the attendees of the public hearing.

Fiscal Impact

Fiscal impact to the District for these requests will be outlined in the agenda memo and resolution for consideration at the public hearing.

Projects to be Presented at the Benton PUD

Commission Meeting On

April 23rd, 2024

Project Name: City of Kennewick Sewer Easement **WO#:** N/A

Location: SW Corner of Future Edison Substation Property

Justification: Developer requested

Location Map



Projects to be Presented at the Benton PUD

Commission Meeting On

April 23rd, 2024

Project Name: City of Kennewick Water Easement **WO#:** N/A

Location: 6190 W. Brinkley Rd. (Southridge Substation Property)

Justification: Developer requested

Location Map

