



Agenda
Utility Advisory Committee Meeting
Tuesday, May 14, 2024
Richland City Hall ~ Council Chambers
625 Swift Boulevard

Committee Members: Chair Lo Presti, Vice-Chair Larkin, and Members Hofstetter, Hyson, Porter, Richmond, and Staven

Council Liaison: Councilmember Whitten

Staff Liaison: Energy Services Director Whitney

Regular Meeting - 3:00 p.m.

Call to Order/Attendance:

Approval of Agenda: (Approved by Motion)

Approval of Minutes: (Approved by Motion)

1. Approval of the March 12, 2024 Utility Advisory Committee Meeting Minutes

Public Comments: Please limit public comments to 3 minutes per speaker.

Items of Business:

2. Status - Each City Utility (10 Minutes each)
 - Trevor Wilkerson, Electrical Systems Manager
 - Carlo D'Alessandro, Interim Public Works Director
 - Tom Huntington, Fire Chief
3. Reliability Stats (15 Minutes)
 - Trevor Wilkerson, Electrical Systems Manager
4. Inventory Spares (5 Minutes)
 - Trevor Wilkerson, Electrical Systems Manager
5. City Council Strategic Plan (30 Minutes)
 - Drew Florence, Assistant City Manager

Unfinished Business:

Other Informational Items:

6. Capital Work Plan Update - April 2024
 - Kaylee Bunch, Energy Services Project Manager
7. BPA IQ24 Tri-Cities Area Reinforcement Summary
8. Forward Agenda

Adjournment

Richland City Hall is ADA accessible. Any individual who has difficulty attending the meeting in-person may request to provide comments remotely. (Ch. 42.30 RCW) Requests for sign interpreters, audio equipment, and/or other special services must be received 48 hours prior to the meeting by calling the City Clerk's Office at 509-942-7389.



MINUTES
UTILITY ADVISORY COMMITTEE REGULAR MEETING
Tuesday, March 12, 2024
Richland City Hall ~ Council Chamber
625 Swift Boulevard

Utility Advisory Committee Regular Meeting – 3:00 p.m.

Chair Larkin called the meeting to order at 3:00 p.m.

Attendance: Chair Lo Presti, Vice Chair Dave Larkin, Committee Members Roy Miller, and Daniel Porter were present. Also present were Staff Liaison and Energy Services Director Whitney, Public Works Director Rogalsky, Battalion Chief VanBeek, Council Member Whitten, and Administrative Assistant II Mata.

Member Bill Richmond was excused.

Approval of Agenda

VICE CHAIR PORTER MOVED AND MEMBER HYSON SECONDED THE MOTION TO APPROVE THE AGENDA AS PUBLISHED. THE MOTION CARRIED 5-1.

Minutes

1. Approval of the January 09, 2024 Utility Advisory Committee Regular Meeting Minutes.

CHAIR LARKIN REQUESTED THE MEETING MINUTES BE CORRECTED. VICE CHAIR PORTER MOVED AND MEMBER LO PRESTI SECONDED THE MOTION TO APPROVE THE JANUARY 09, 2024 MEETING MINUTES WITH THE REQUESTED CHANGE. THE MOTION CARRIED 5-0.

Public Comments

None.

Items of Business

2. Status of Each City Utility

Director Whitney provided an update for City View Substation # 1 construction. He also mentioned he would provide updates for Energy Services within business items after the other utility status updates are presented There were no questions.

Director Rogalsky provided updates for landfill operating hours, the Atlas Agro project, radiological testing on potable water, and the construction of a replacement water system pump station near Queensgate Dr. He briefly covered the four funds of Public Works utilities. Director Rogalsky mentioned that the City of West Richland has submitted a request to the City for future

potable water requirements, and the planning is in motion. Director Rogalsky answered member questions.

BC VanBeek provided updates on medical utilities. He shared the budget is on track, call volume has increased 8.7% since 2023, staff for Station 76 are being trained and the station is on track to open in June 2024, and provided an equipment update. BC VanBeek also shared Fire plans to bring an item to Council to increase the medical utilities cost. BC VanBeek answered member questions.

3. BPA Projects Update

Director Whitney provided updates for BPA projects in the City. He referred to the links and attachments in the agenda packet for more information. There were no member questions.

4. Atlas Agro Documents

Director Whitney went over the documents related to the Atlas Agro project. After completion, there could be 150-250 new jobs in the area. Director Whitney also explained there is an agreement between BPA and the City, and other agreements between Atlas Agro and the City as BPA cannot directly provide service to Atlas Agro. There will be additional agreements in the future. Director Whitney answered member questions.

5. Advanced Metering Infrastructure

Director Whitney provided a progress update for AMI meter installations and discussed the components to the AMI project remaining to be completed. He went over MyMeter capabilities. MyMeter is set to replace eCare. He also went over the expectation to have an outage map that will show real-time information. Director Whitney answered member questions.

6. Solar Battery Update

Director Whitney provided an update for the Solar Battery at the Horn Rapids Solar, Storage, and Training site. He referred to the attached graphs which show energy generation from February 2023 through February 2024. Director Whitney also went over current energy rates and approximated future costs. Director Whitney answered member questions.

7. ABCs for BBCs Training

Director Whitney provided details for an upcoming training session for BBCs that will be taught by Ken Harper on May 2, 2024. There no member questions.

Unfinished Business

None.

Other Informational Items

8. Tour of Biogas Facility at Landfill – May 2024
9. AMI Benefits to Customer – May 2024
10. Low Income Program – May 2024
11. Reliabilities Stats and Inventory Spares – May 2024
12. Tour of Fire Station 76 – May 2024
13. Resource Adequacy – July 2024
14. Electric Rates Review – September 2024
15. Strategy AMI
16. 2024 Strategic Plan – Presentation

The following informational handouts were provided to Members:

17. BPA_STriCities Report Q4 2023
18. Memorandum of Understanding with Atlas Agro North America Corp. for future provisions of electric service
19. BPA Cost Allocation Agreement with Atlas Agro North America Corp.
20. Reimbursable Agreement with the Bonneville Power Administration for Preliminary Engineering Activities and Facilities Study of Transmission Request No
21. AMI Installation Counts
22. Mtr 4975 Summary – HRSST 2-2023 through 2-2024
23. Mtr 4975 Peak Day Generation on 7-2-2023
24. Mtr 4975 Daily Peaks – HRSST 2-2023 through 2-2024
25. Mtr 4975 Daily Energy – HRSST 2-2023 through 2-2024
26. Long_Term_Price_Curve_Sheet
27. RES CWP REPORT-December 2023

Adjournment

Chair Larkin adjourned the meeting at 4:48 pm.

Prepared by: _____
Arturo Mata, Administrative Assistant II

Reviewed by: _____
Clint Whitney, Energy Services Director

Approved by: _____
David Larkin, Chair

DATE APPROVED:

DATE PUBLISHED:



UTILITY ADVISORY COMMITTEE AGENDA ITEM COVERSHEET

Meeting Date: 5/14/2024

Agenda Category: Items of Business

Prepared By: Trevor Wilkerson, Electrical Systems Manager
Carlo D'Alessandro, Interim Public Works Director
Tom Huntington, Fire Chief

Subject:

Status - Each City Utility (10 Minutes each)

Department:

Energy Services

Recommended Motion:

This item is informational only.

Summary:

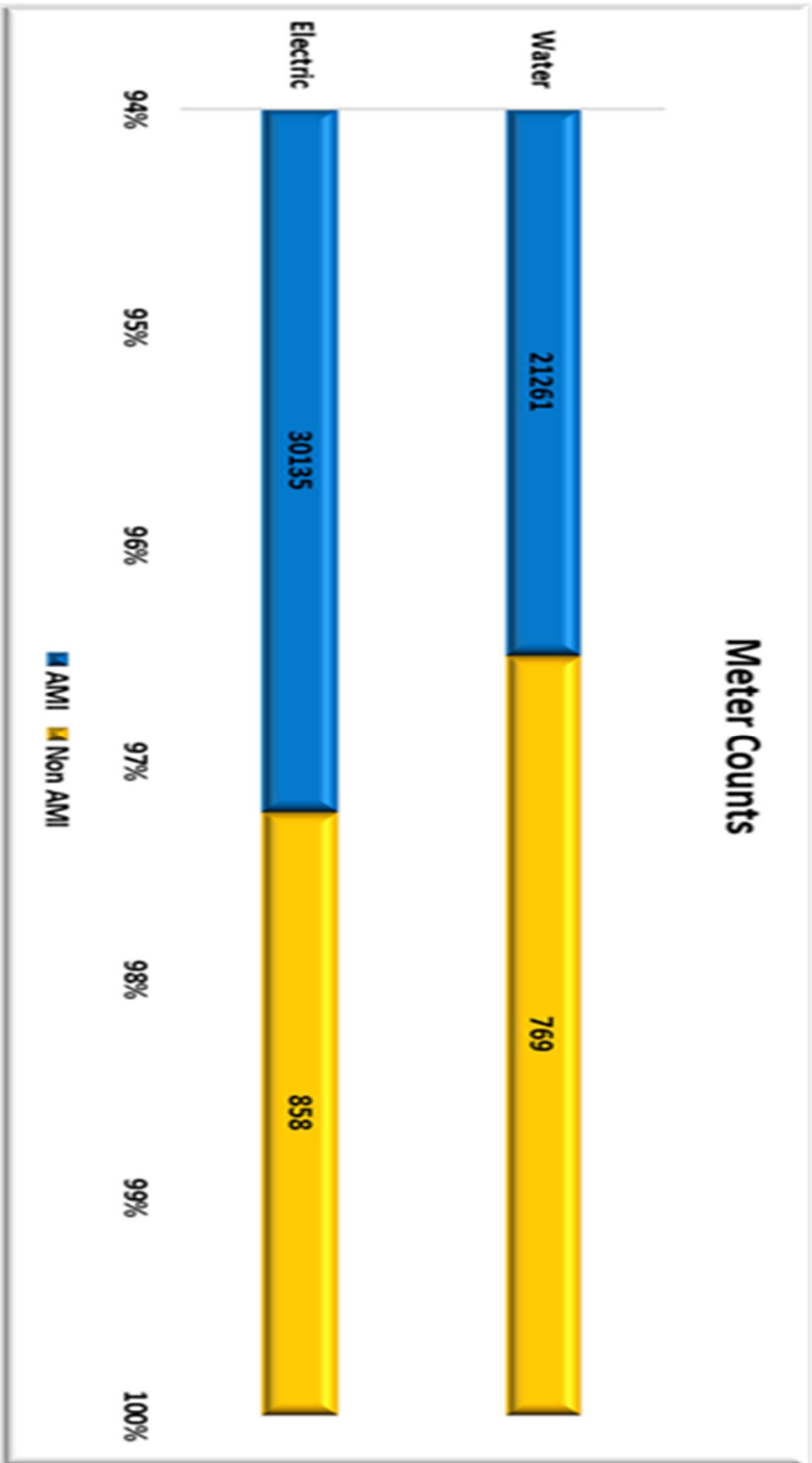
A representative from each of the City's utilities will provide a status update.

Fiscal Impact:

Attachments:

I. Meter Counts

Meter Counts





UTILITY ADVISORY COMMITTEE AGENDA ITEM COVERSHEET

Meeting Date: 5/14/2024

Agenda Category: Items of Business

Prepared By: Trevor Wilkerson, Electrical Systems Manager

Subject:

Reliability Stats (15 Minutes)

Department:

Energy Services

Recommended Motion:

This item is informational only.

Summary:

The reliability of the City's electrical system has improved year over year. In 2023, the average customer would experience less than one (1) interruption. The average outage duration for each customer was about 75 minutes, and the average restoration time was 120 minutes.

Outages occur for several reasons, such as issues/faults in overhead equipment, underground equipment, substations, foreign interference weather, and/or traffic. Current focuses are underground equipment rebuilds as well as removing #6 wire with older poles.

Fiscal Impact:

There is no fiscal impact.

Attachments:

- I. Reliability Presentation 2023 Data



CITY OF RICHLAND
WASHINGTON

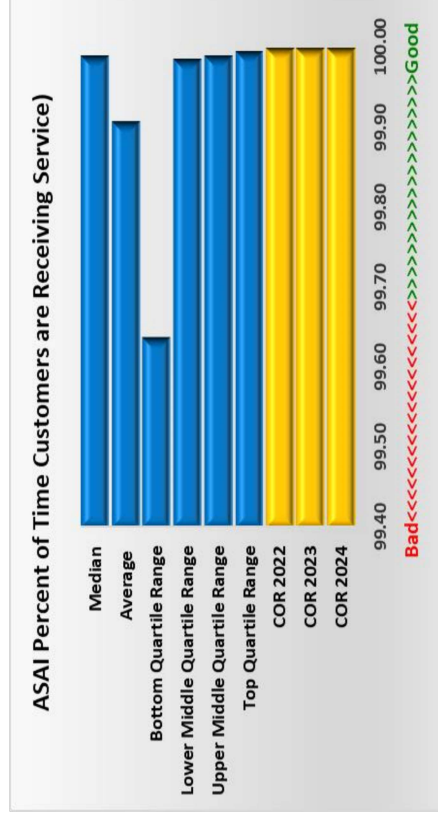
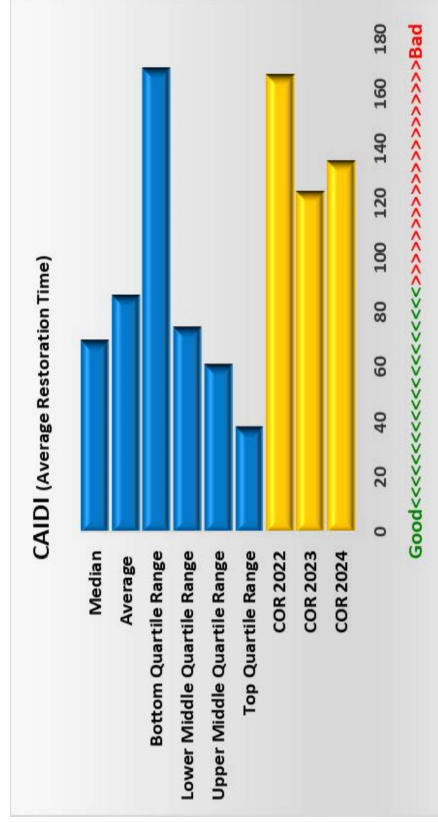
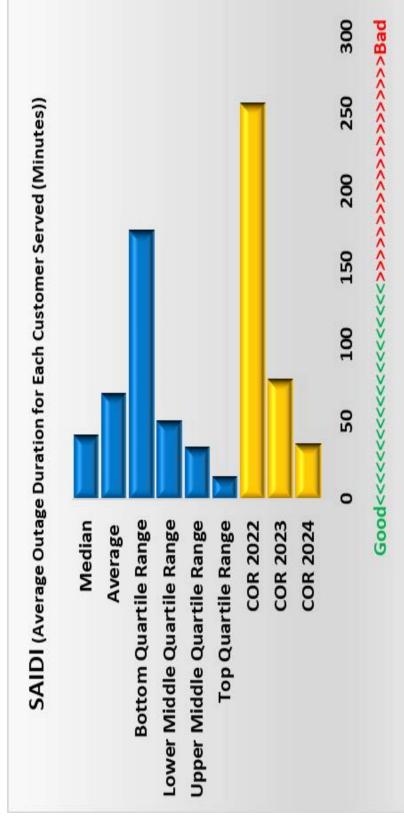
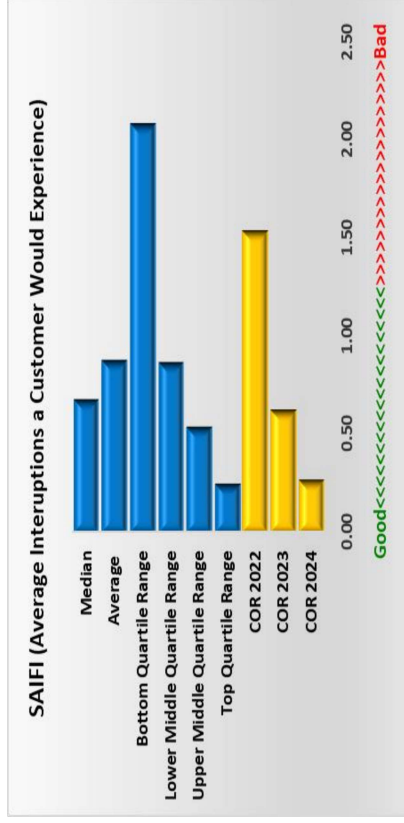
Energy Services Reliability and CIP

Trevor Wilkerson

5/14/2024



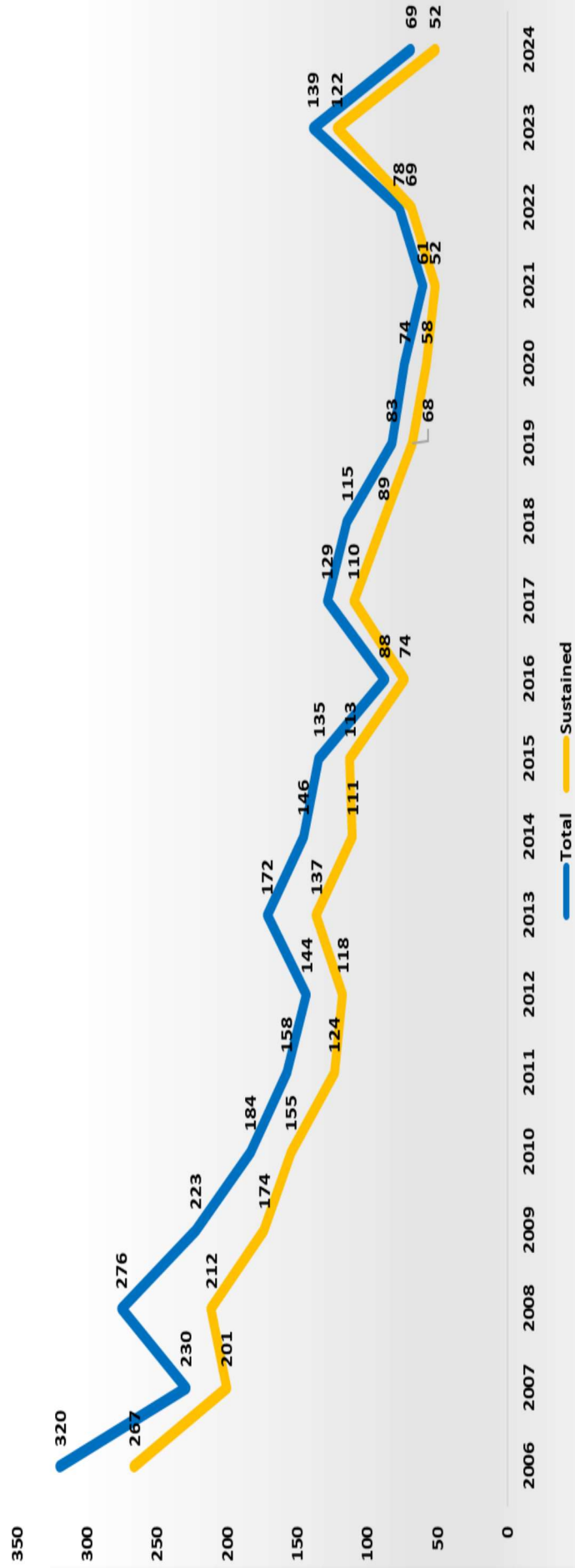
Reliability Trends





Reliability Trends

Outages by Year (Current Year is on Pace)





Reliability Analytics

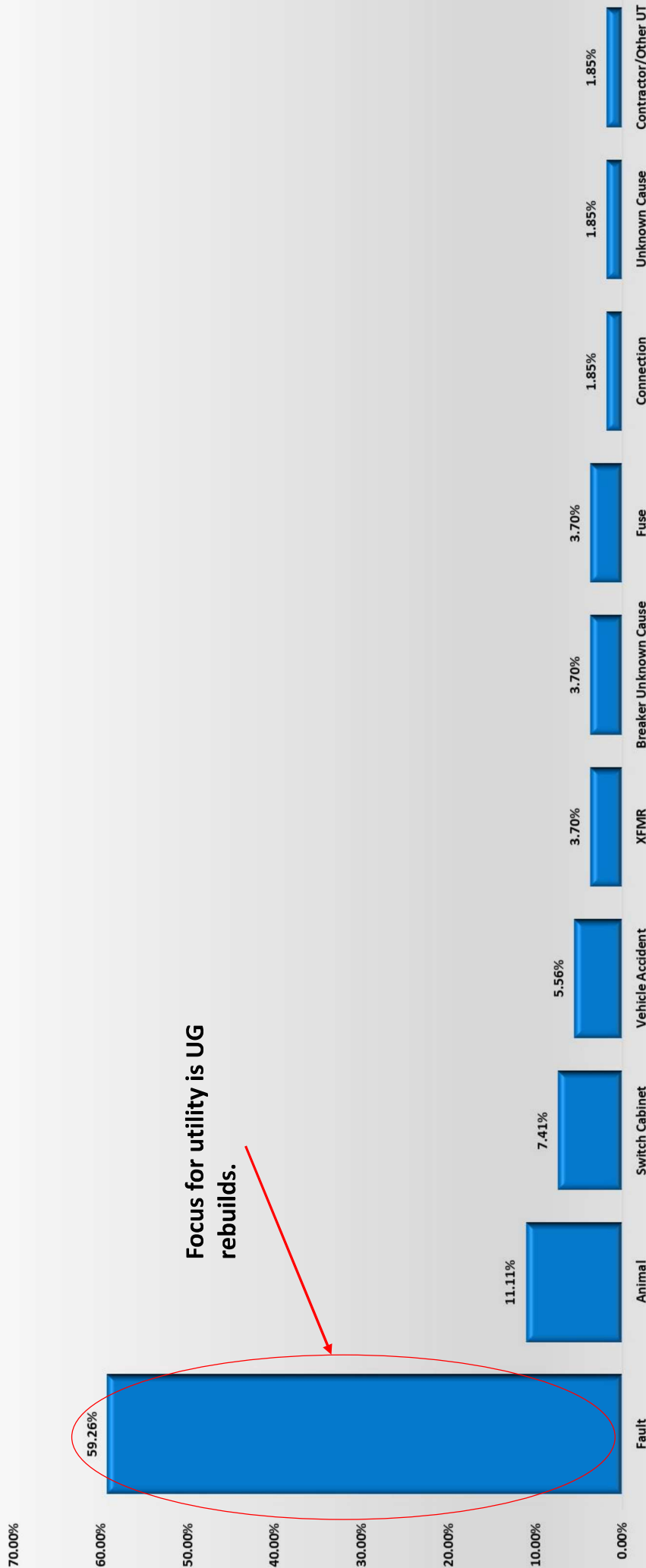
2021-2024 Outages by Group





Reliability Analytics

2021-2024 Outages by Category

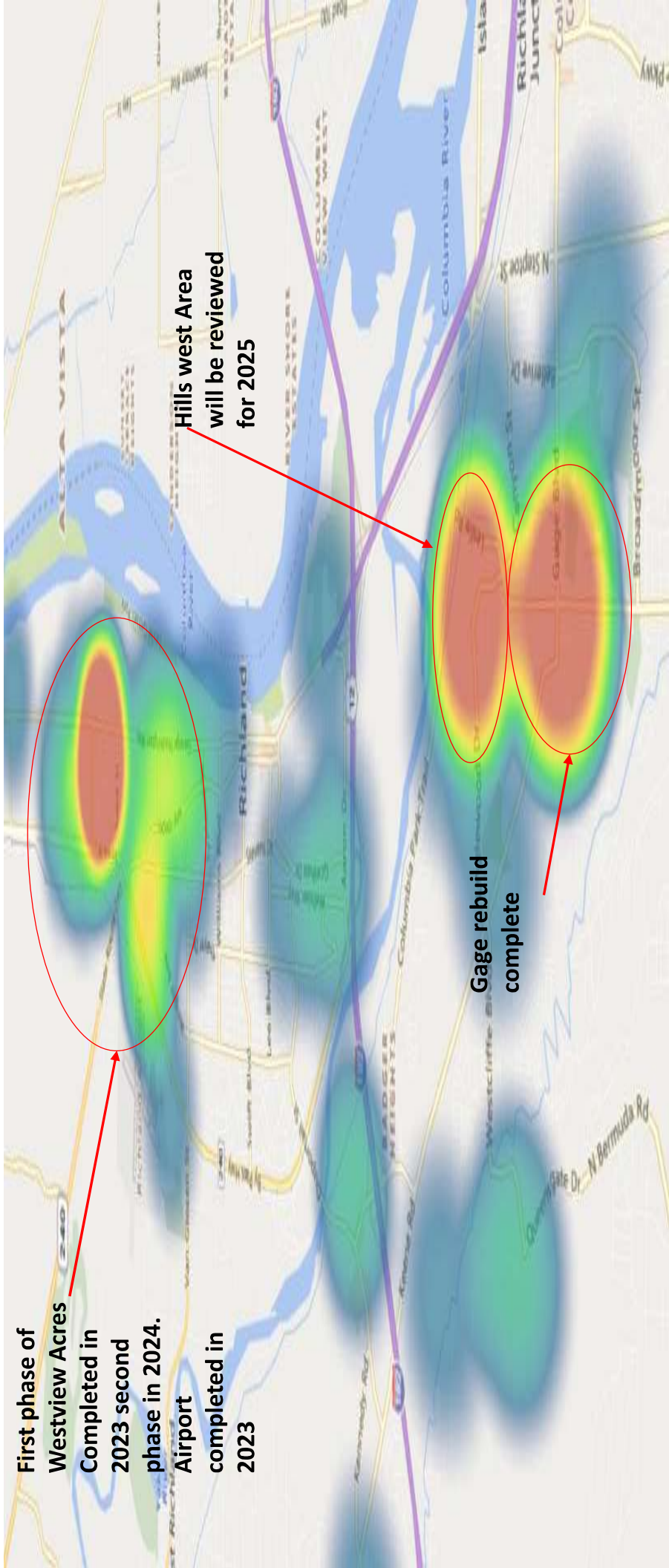


Focus for utility is UG rebuilds.



Reliability Analytics

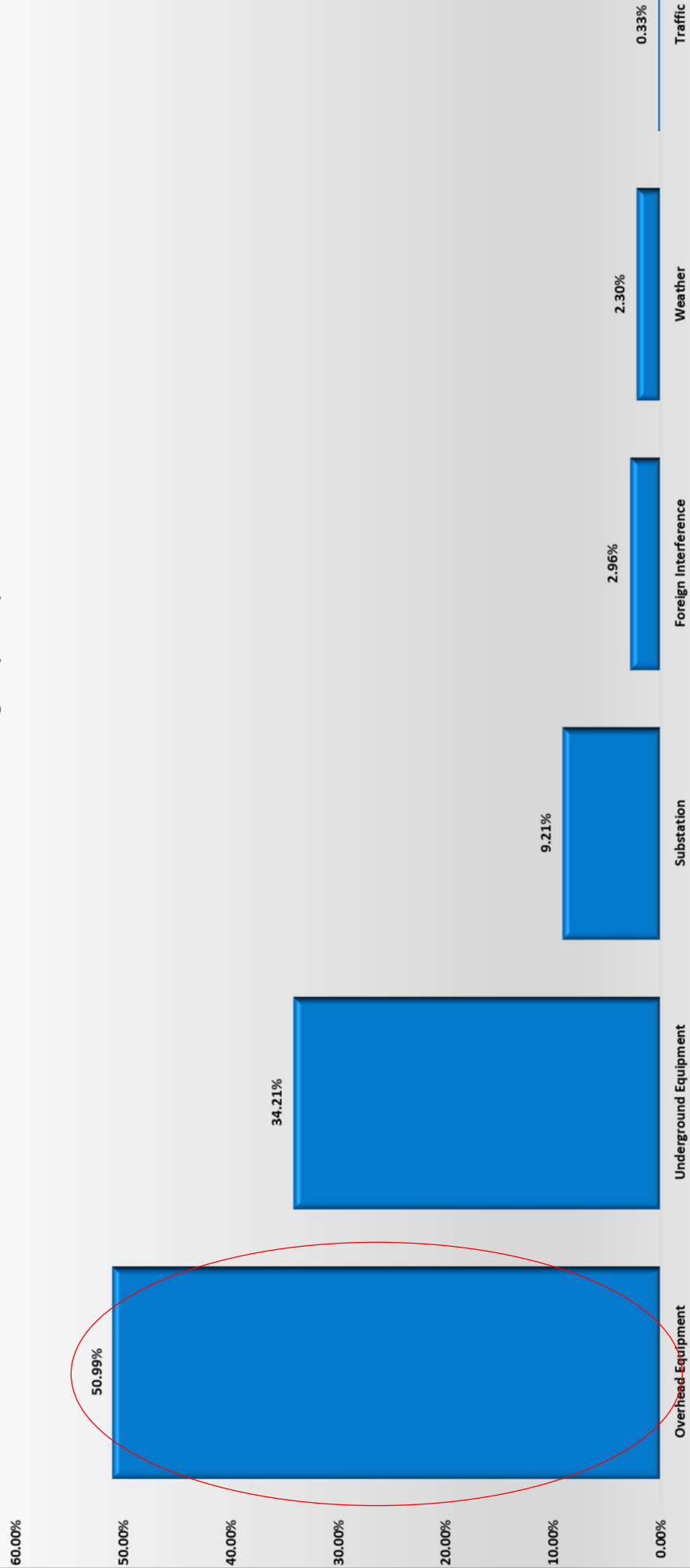
First phase of
Westview Acres
Completed in
2023 second
phase in 2024.
Airport
completed in
2023





Reliability Analytics

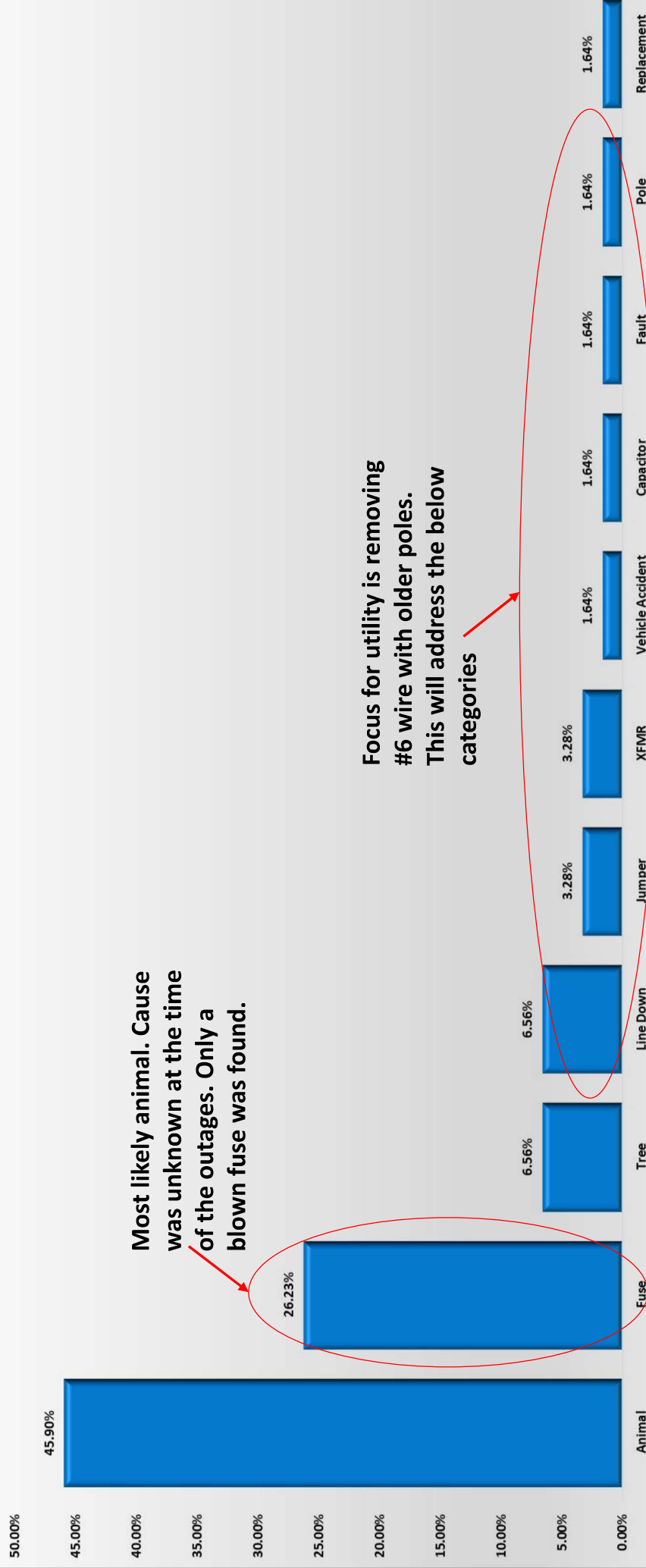
2021-2024 Outages by Group





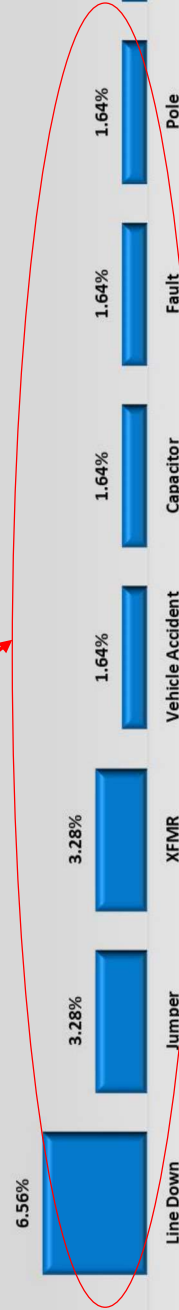
Reliability Analytics

2021-2024 Outages by Category



Most likely animal. Cause was unknown at the time of the outages. Only a blown fuse was found.

Focus for utility is removing #6 wire with older poles. This will address the below categories

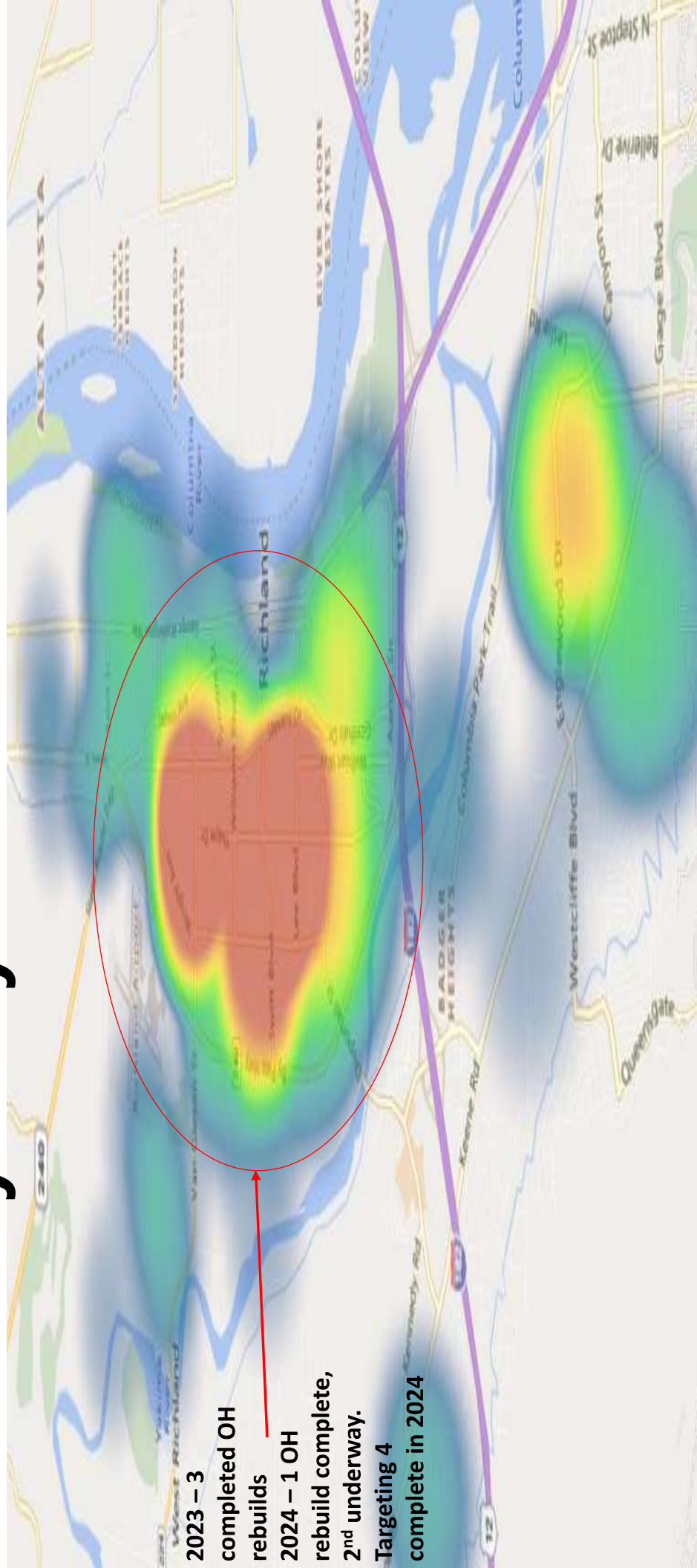




Reliability Analytics

2023 – 3
completed OH
rebuilt

2024 – 1 OH
rebuild complete,
2nd underway.
Targeting 4
complete in 2024





Questions?



UTILITY ADVISORY COMMITTEE AGENDA ITEM COVERSHEET

Meeting Date: 5/14/2024

Agenda Category: Items of Business

Prepared By: Trevor Wilkerson, Electrical Systems Manager

Subject:

Inventory Spares (5 Minutes)

Department:

Energy Services

Recommended Motion:

This item is informational only.

Summary:

Our Power Operations department looks ahead two (2) years and orders equipment and materials ahead of time. There are some items that take longer to arrive due to the challenges in the supply chain.

Fiscal Impact:

There is no fiscal impact.

Attachments:



UTILITY ADVISORY COMMITTEE AGENDA ITEM COVERSHEET

Meeting Date: 5/14/2024

Agenda Category: Items of Business

Prepared By: Drew Florence, Assistant City Manager

Subject:

City Council Strategic Plan (30 Minutes)

Department:

Energy Services

Recommended Motion:

This item is informational only.

Summary:

In 2024 the City of Richland adopted a new 3-year Strategic Plan. The plan identifies Strategic Priorities, identified by and adopted by the City Council that will guide decision making for staff over the next several years. Staff has worked to identify specific initiatives within each identified priority as well as key targets and outcomes that will assist in measuring our success. The strategic plan is the culmination of a significant stakeholder engagement including citizens, surveys, focus groups, staff surveys, and an environmental scan.

The City Manager's Office has been presenting the plan to each city commission, board, and/or committee to familiarize these strategic partners with the strategic plan.

Fiscal Impact:

There is no fiscal impact.

Attachments:

- I. Commissions SP Presentation

City of Richland 2024-2026 Strategic Plan

Utility Advisory Committee Meeting

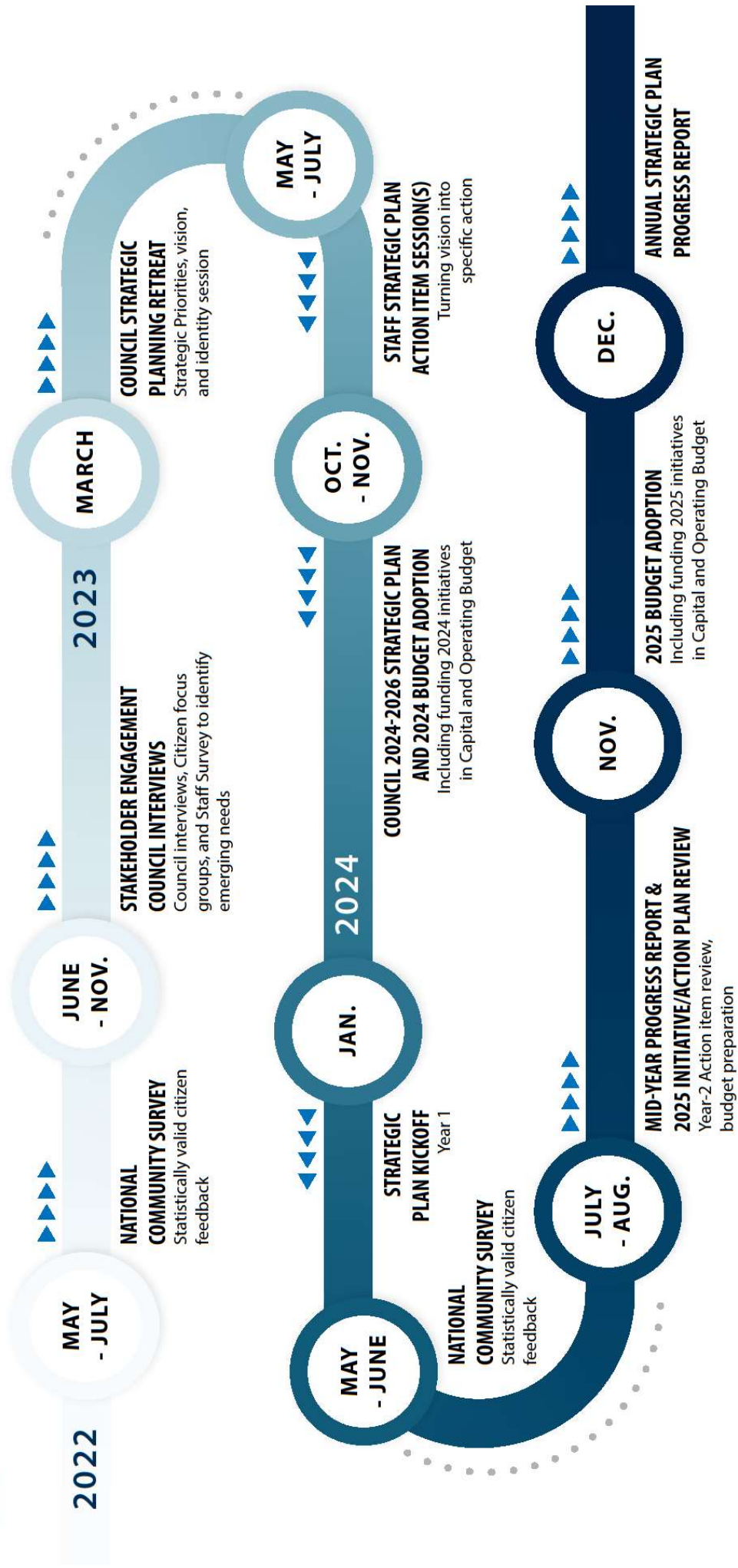
May 14, 2024

Assistant City Manager, Drew Florence





STRATEGIC PLANNING TIMELINE



Strategic Priorities

High-Performance Government

Operations that support reliable service delivery

Quality of Life

Maintain/enhance quality of life

Financial Sustainability

A fiscally responsible community

Engaged Workforce

A capable, dedicated workforce

Focused Development

Development that meets community needs



High Performance-Government

Strategic Priority	Desired Outcome	Key Outcome Indicator	Target	Strategic Initiatives
<p>High-Performance Government <i>Operations that support reliable service delivery</i></p>	<p>Enhanced community engagement</p>	<ul style="list-style-type: none"> - Increased public trust - Well-informed stakeholders - Input received on significant city issues 	<ul style="list-style-type: none"> - 5% increase in overall confidence in the City 2023-2026 - 5% increase in residents feeling informed on issues by 2026 - New Communications Plan implemented by 2026 - 5% increase in the feeling that the City is open and transparent by 2026 	<ul style="list-style-type: none"> a) Redesign website b) Develop a city-wide Communications Plan c) Implement a Community Meeting Program d) Develop and implement organizational key performance indicators (KPIs) e) Create a Legislative Advocacy Program f) Upgrade utility billing portal
	<p>Improved operational performance</p>	<ul style="list-style-type: none"> - Improvement in key process performance 	<ul style="list-style-type: none"> - 100% of departmental KPI's established by 2025 - 5% increase in quality of utility billing rating before 2026 	
	<p>Strengthened partnerships</p>	<ul style="list-style-type: none"> - New partnerships formed - Amended partnership agreements - # of legislative trips 	<ul style="list-style-type: none"> - Complete 3 legislative trips (2 state, 1 federal) annually between 2024-2026 - One new major joint venture project achieved by 2026 	



Financial Sustainability

Strategic Priority	Desired Outcome	Key Outcome Indicator	Target	Strategic Initiatives
<p>Financial Sustainability <i>A fiscally responsible community</i></p>	<p>Ability to finance infrastructure and capital needs</p> <p>A diverse revenue base</p>	<ul style="list-style-type: none"> - Funding-to-need ratio - % of capital needs funded - Rolling average - # of new revenue sources 	<ul style="list-style-type: none"> - A comprehensive Asset Management Plan in place by 2026 - TBD grant applications submitted during FY 2025 - TBD new development incentives by 2026 	<ul style="list-style-type: none"> a) Implement the Asset Management and Work Order system b) Establish a long-term revenue and reserve forecasting model c) Develop and maintain robust financial policies d) Actively seek grant opportunities e) Create a commercial tax initiative strategy
<p>Well-managed resources</p>	<ul style="list-style-type: none"> - Budget-to-actual ratio - Year-end fund balance/surplus - # of financial policies published 	<ul style="list-style-type: none"> - Maintain or improve reserves - all operating funds - 100% of best practices identified and subsequent policies published by year end 2024 		



Focused Development

Strategic Priority	Desired Outcome	Key Outcome Indicator	Target	Strategic Initiatives
<p>Focused Development <i>Development that meets community needs</i></p>	<p>Increased housing availability</p>	<p>- # of new attainable units</p>	<p>- 4% increase of new housing units by 2026 - 5% of new attainable housing units by 2026</p>	<p>a) Create and implement infill and redevelopment strategies in the CBD</p>
<p>A vibrant downtown</p>	<p>- # of new housing units - CBD public realm investments</p>	<p>- 5% annual growth of new housing units in the CBD 2024-2026 - Increase \$ spent in CBD by 10% by 2026 - Increase in cumulative event attendance by 10% by 2026</p>	<p>- Increase number of requests for information (RFI) by 5% by 2026</p>	<p>b) Create a plan to enhance public investment in the CBD c) Develop an attainable housing strategy d) Develop a plan to recruit targeted energy industries e) Focused recruitment strategy for clean energy jobs</p>
<p>Northwest Advanced Clean Energy Park initiated</p>	<p>- # of requests of information</p>			



Quality of Life

Strategic Priority	Desired Outcome	Key Outcome Indicator	Target	Strategic Initiatives
<p>Quality of Life <i>Maintain / enhance quality of life</i></p>	<p>Increased feeling of safety in the community</p>	<ul style="list-style-type: none"> - % of community reporting feeling safe - Change in crime rate 	<ul style="list-style-type: none"> - 5% increase in overall safety by 2026 - Crime #'s at or below state average annually 	<ul style="list-style-type: none"> a) Develop an integrated Community Safety Plan
<p>Improved pedestrian and bicycle mobility</p>	<ul style="list-style-type: none"> - Ease of walking and travel by bicycle rating 	<ul style="list-style-type: none"> - Increase rating for ease of walking and travel by bicycle by 5% by 2026 - 3% increase in quality of the parks, facilities, paths, and walking trails by 2026 	<ul style="list-style-type: none"> b) Advance implementation of the Complete Streets Policy as codified in RMC 12.06 c) Develop a park, trail, and public facilities strategy 	
<p>Enhanced recreational opportunities</p>	<ul style="list-style-type: none"> - # of signature events 	<ul style="list-style-type: none"> - Increase signature events by 3 from 2024-2026 	<ul style="list-style-type: none"> d) Create an enhanced Community Event and Entertainment Program 	



Engaged Workforce

Strategic Priority	Desired Outcome	Key Outcome Indicator	Target	Strategic Initiatives
<p>Engaged Workforce <i>A capable, dedicated workforce</i></p>	<p>A well-trained workforce</p> <p>Staff capacity to meet service demands</p> <p>Improved leadership capabilities</p>	<p>- Training goals met</p> <p>- Training completed</p> <p>- Authorized strength</p> <p>- Retention rate</p> <p>- Internal hiring rate management</p>	<p>- 100% of employees completing required/core training by 2026</p> <p>- Maintain => authorized strength</p> <p>- => 75% of all management hires are from within organization</p>	<p>a) Develop and implement a Workforce Development Plan</p> <p>b) Implement COR Leadership Development Program</p> <p>c) Develop an Employee Engagement Plan</p> <p>d) Create an Employee Recruitment and Retention Program</p>



Questions?





UTILITY ADVISORY COMMITTEE AGENDA ITEM COVERSHEET

Meeting Date: 5/14/2024

Agenda Category: Other Informational Items

Prepared By: Kaylee Bunch, Energy Services Project Manager

Subject:

Capital Work Plan Update - April 2024

Department:

Energy Services

Recommended Motion:

This item is informational only.

Summary:

Attached is a summary of 2024 capital work planned by Energy Services. The 2024 capital budget was approved for \$11.4M with estimated costs of \$8M. The budget includes:

- Line extensions
- System Improvements
- Renewal and Replacement
- Purchase of Southwest Service Area Infrastructure
- Substation Improvements

Fiscal Impact:

There is no fiscal impact.

Attachments:

- I. RES CWP REPORT-April 2024



Richland Energy Services

Capital Work Plan

April 2024



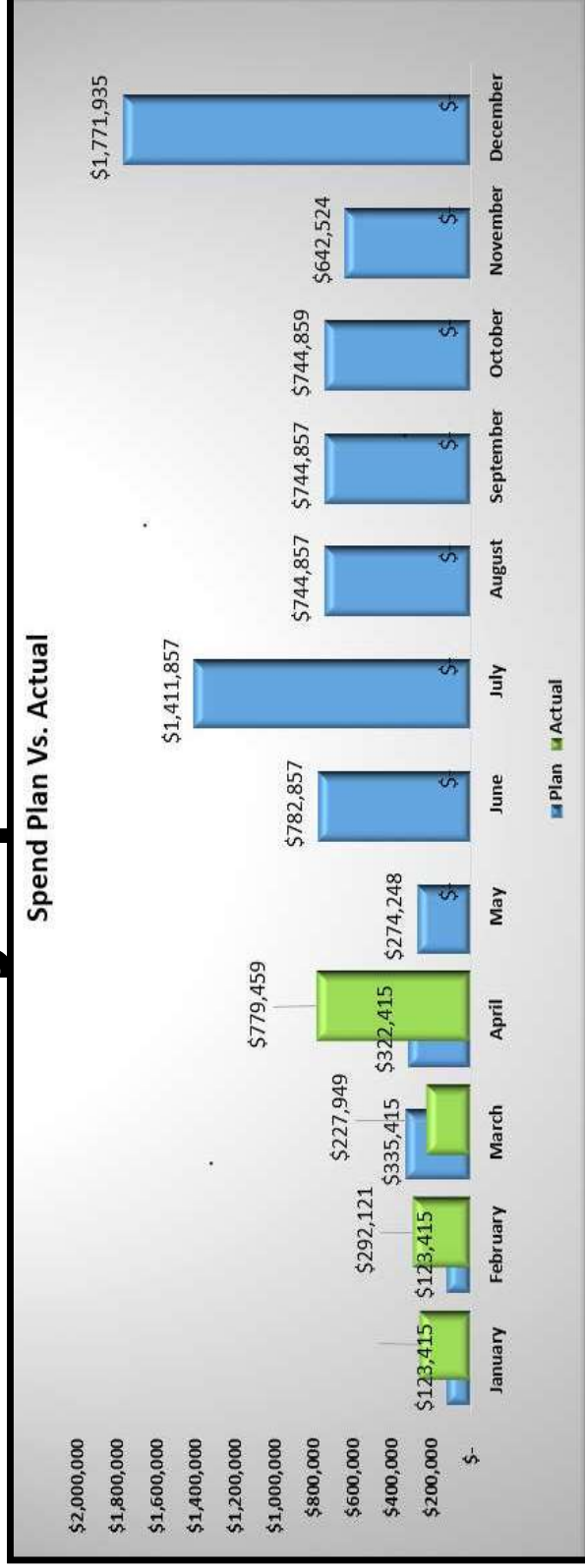
CWP Costs through April

	Approved 2024 Budget	2024 Estimated Costs	Actual	Remaining	April
Line Extensions	\$983,000	\$ 983,000	\$ 511,508	\$ 471,492	\$ 306,743
System Improvements	\$473,000	\$ 473,000	\$ 104,452	\$ 368,549	\$ 33,716
Renewal and Replacement	\$4,217,000	\$ 3,589,654	\$ 340,200	\$ 3,249,454	\$ 63,314
Purchase Southwest Service Area Infrastructure	\$212,000	\$ 212,000	\$ 405,371	\$ (193,371)	\$ 370,450
Substation Improvements	\$5,007,000	\$ 237,000	\$ 196,403	\$ 40,597	\$ 4,302
Fusion Substation	\$0	\$ -	\$ -	\$ -	\$0.00
Sand Hill Crane Substation	\$0	\$ 2,263,000	\$ 933	\$ 2,262,067	\$932.74
Grand Total	\$11,422,000	\$ 8,022,654	\$ 1,558,866	\$ 6,463,788	\$779,459

Cost Performance YTD:	\$1,558,866
Cost Performance remaining:	\$6,463,788
YTD % Complete	20%



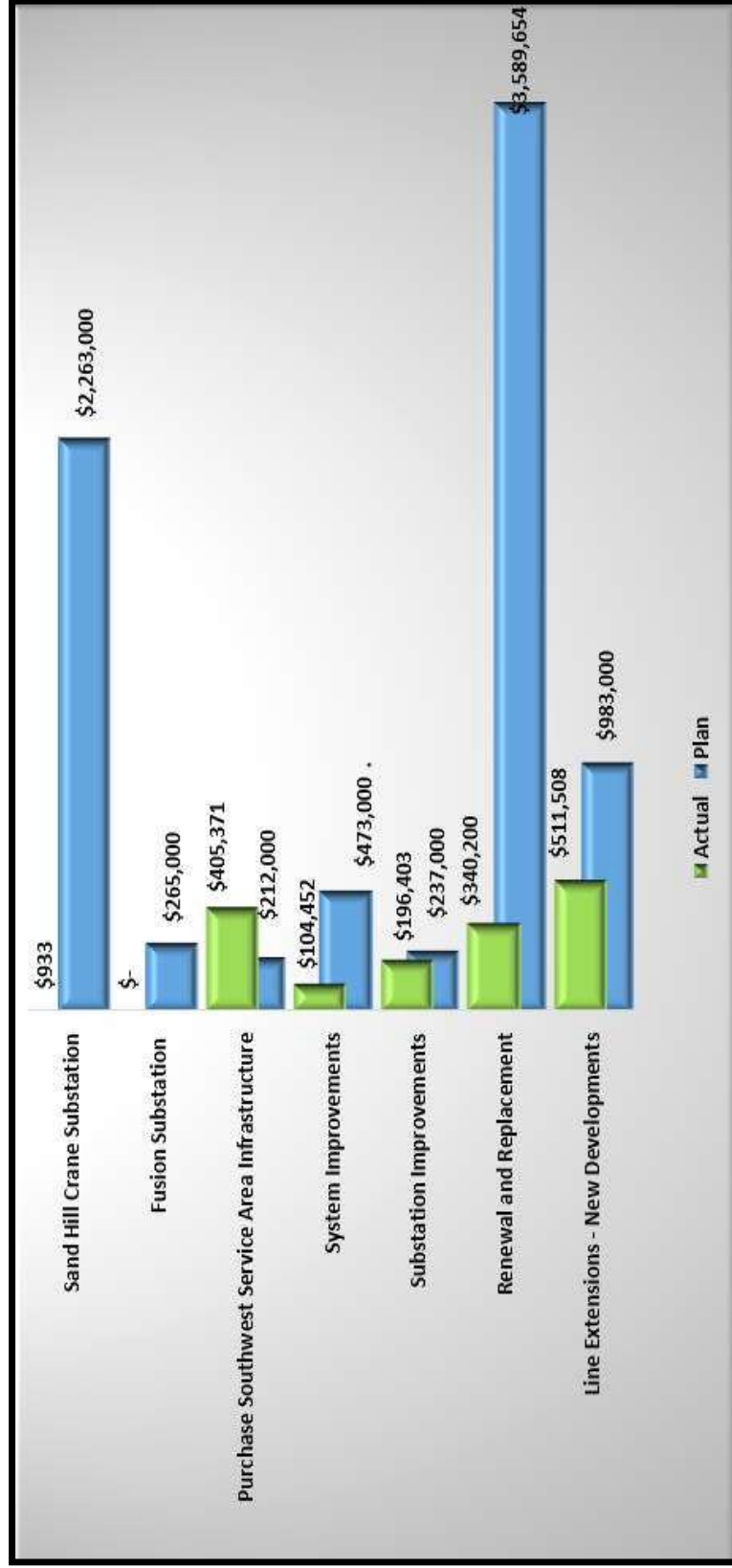
CWP Monthly Spend Vs. Actuals



% Complete of Overall Spend Plan	
To-Date Projected	\$ 904,660
To-Date Actual	\$ 1,558,866
Variance	\$654,206 172%

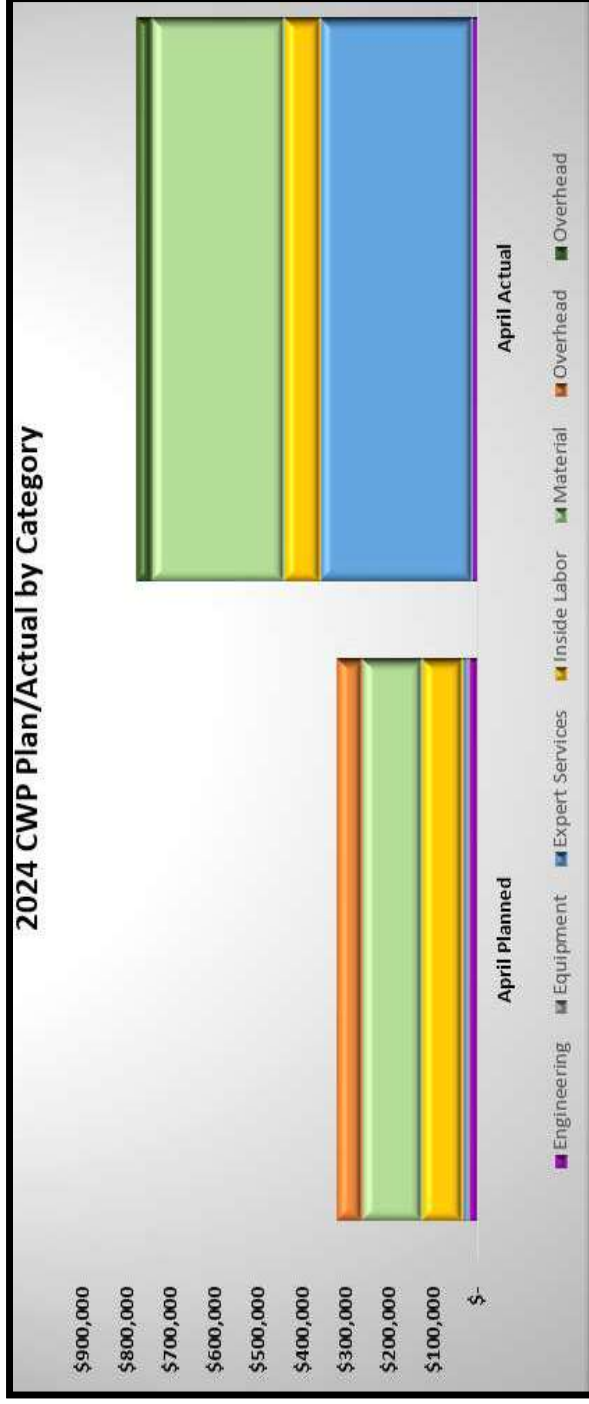


Costs by Category





CWP Cost Types



Cost Type	April Planned	April Actual
Engineering	\$ 18,917	\$ 14,320
Equipment	\$ 8,667	\$ -
Expert Service	\$ 10,000	\$ 346,147
Inside Labor	\$ 91,666	\$ 82,049
Material	\$ 135,249	\$ 301,919
Overhead	\$ 57,916	\$ 35,024
Total	\$ 322,415	\$ 779,459



CWP Project Costs for April

	Approved 2024 Budget	2024 Estimated Costs	Actual	Remaining	April
+ Line Extensions	\$983,000	\$ 983,000	\$ 511,508	\$ 471,492	\$ 306,743
+ System Improvements	\$473,000	\$ 473,000	\$ 104,452	\$ 368,549	\$ 33,716
+ New Services	\$473,000	\$ 473,000	\$ 89,393	\$ 383,607	\$27,787.57
+ Renewal and Replacement	\$4,217,000	\$ 3,589,654	\$ 340,200	\$ 3,249,454	\$ 63,314
+ METER INSTALLATION MATERIALS	\$25,000	\$ 25,000	\$ 201,638	\$ (176,638)	\$49,298.70
+ 2007 BYPASS HWY; NEW PRIMARY AND SERVICES	\$1,590,000	\$ -	\$ -	\$ -	\$0.00
+ Framatome UG Replacement	\$0	\$ -	\$ 76	\$ (76)	\$0.00
+ Thayer Substation - Bank 1 Rebuild and 115kV Bus	\$0	\$ -	\$ 18,267	\$ (18,267)	\$496.75
+ Stevens Substation - Bank 1 Rebuild and 115kV Bus	\$0	\$ -	\$ 19,349	\$ (19,349)	\$348.86
+ 1937 Forest, RR old 1-0AL and move XFR to Street	\$0	\$ -	\$ 2,944	\$ (2,944)	\$0.00
+ 53 Thayer, Convert OH circuits to UG from Richlan	\$0	\$ -	\$ 2,077	\$ (2,077)	\$303.22
+ Upgrade SCADA System	\$127,000	\$ 127,000	\$ -	\$ 127,000	\$0.00
+ Pole Replacement Program	\$614,000	\$ 614,000	\$ 94,608	\$ 519,392	\$12,866.95
+ UG Cable Replacement	\$1,861,000	\$ 2,823,654	\$ 1,242	\$ 2,822,412	\$0.00
+ Purchase Southwest Service Area Infrastructure	\$212,000	\$ 212,000	\$ 405,371	\$ (193,371)	\$ 370,450
+ Substation Improvements	\$5,007,000	\$ 237,000	\$ 196,403	\$ 40,597	\$ 4,302
+ Fusion Substation	\$530,000	\$ 265,000	\$ -	\$ 265,000	\$0.00
+ Sand Hill Crane Substation	\$0	\$ 2,263,000	\$ 933	\$ 2,262,067	\$932.74
Grand Total	\$11,422,000	\$ 8,022,654	\$ 1,558,866	\$ 6,463,788	\$779,459



2023 Carry Over Projects

Carry Over Projects	Cost-to-date in 2024	Comments
AMI	\$ 804,299.92	Due to complete June 2024
City View Bank 2	\$ 821,661.00	Construction Completed 02/24
Total	\$ 1,625,960.92	



UTILITY ADVISORY COMMITTEE AGENDA ITEM COVERSHEET

Meeting Date: 5/14/2024

Agenda Category: Other Informational Items

Prepared By:

Subject:

BPA IQ24 Tri-Cities Area Reinforcement Summary

Department:

Energy Services

Recommended Motion:

This item is informational only.

Summary:

Tri-Cities Area Reinforcement is a key part of Bonneville's greater strategic goal of delivering projects on-schedule and on-budget while minimizing planned outages. Bonneville is accomplishing this by improving project scoping, planning, contracting and project management processes to ensure efficient execution of our capital programs and maintenance activities.

BPA is proceeding with four large projects in the Tri-Cities region. The primary goal of this work is to improve reliability and system flexibility.

Fiscal Impact:

There is no fiscal impact.

Attachments:

I. BPA_STriCities Report QI 2024



TRI-CITIES AREA REINFORCEMENT



Both the *Red Mountain-Horn Rapids and Richland-Stevens Drive 115 kV lines projects* will provide reinforcement. Under peak conditions, one line out could cause the other to overload. All four projects together will allow for additional load and mitigate bottlenecks in the Richland area.

BACKGROUND | Tri-Cities Area Reinforcement is a key part of Bonneville’s greater strategic goal of delivering projects on-schedule and on-budget while minimizing planned outages. Bonneville is accomplishing this by improving project scoping, planning, contracting and project management processes to ensure efficient execution of our capital programs and maintenance activities.

BPA is committed to the continued outreach to our customers, constituents, and the public. We are working with local electric utilities in coordinating efforts and public outreach specific to these projects.

THE PROJECTS | BPA is proceeding with four large projects in the Tri-Cities region. The primary goal of this work is to improve reliability and system flexibility. These projects have the added benefits of increasing BPA transmission capacity into the area, improving security, and modernizing BPA’s substations and lines.



Please note: Next quarter bulleted items & project schedules are estimates. They are subject to change due to potential issues such as site conditions, supply chain issues, or staffing resources.

The *South of Tri-Cities Reinforcement* adds a new 500 kV substation, Webber Canyon, and a 115kV line to our existing Badger Canyon substation. This ties the Tri-Cities region into the 500kV Grid. This project provides both short term operational and maintenance needs, long term reliability and additional load growth capacity to the Tri-Cities region.

The *McNary-Paterson Tap* is a new 115 kV line from McNary Substation to south Benton County. This project resolves low-voltage issues in Paterson Load area and provides some through flow relief.

Project Name	Estimated Project Cost	Proposed Energization
South Tri-Cities Reinforcement	\$107M	Winter 2027
McNary-Paterson Tap	\$15M	Winter 2024
Red Mountain-Horn Rapids 115 kV Line	\$3.6M	Summer 2025
Richland-Stevens Drive 115 kV Line	\$12.5M	Spring 2027



TRI-CITIES AREA REINFORCEMENT

ACTIONS IN THE LAST QUARTER & NEXT QUARTER

South of Tri-Cities Reinforcement

❖ Last Quarter

- ✓ Continued design with our Consultant.
- ✓ Ongoing outreach with landowners on existing Right-Of-Way
- ✓ Real Property service contract is in place.
- ✓ Transformer and reactor purchase contract awarded.
- ✓ NEPA field surveys started.
- ✓ Geotech field work is complete, reports in progress.

❖ Next Quarter

- ✓ Review the Geotech report & foundation recommendations.
- ✓ Continuing design
- ✓ Continuing Environmental and Cultural surveys.
- ✓ Continuing community outreach
- ✓ Continue route alternative evaluation.
- ✓ Develop & Coordinate project construction sequencing plan.

McNary-Paterson Tap

❖ Last Quarter

- ✓ UP Railroad permits are acquired, still waiting on BNSF Railroad permit.

❖ Next Quarter

- ✓ Ongoing substation construction
- ✓ Transmission line construction pushed to July 2024 (no impact to the energization date).

Red Mountain-Horn Rapids 115kV line

❖ Last Quarter

- ✓ Design updates complete.

- ✓ Survey is complete.
- ✓ Real Property Rights Review is ongoing.

❖ Next Quarter

- ✓ Lease material yard
- ✓ PM is working on construction planning.
- ✓ Continue to work on Land Acquisitions

Richland-Stevens Drive 115kV line

❖ Last Quarter

- ✓ Ongoing design with consultant
- ✓ Outreach with landowners on existing Right-Of-Way is complete.
- ✓ Substation layout within the existing substation yards is finalized.
- ✓ Finalized pole location for line route.

❖ Next Quarter

- ✓ Environmental and Cultural evaluation in progress
- ✓ Transportation Plan is in progress.
- ✓ Continue outreach with City of Richland
- ✓ Develop & Coordinate project construction sequencing plan with City of Richland.

Risks:

- ✓ Outage restrictions: outages needed for the program will be challenging to plan, the team is coordinating to produce an overall plan to highlight and mitigate issues.
- ✓ Land acquisition: potential legal, regulatory, and environmental risks might impact the timing for obtaining the land and the right of way for the projects.
- ✓ Supply chain: continuous disruption in the flow of services and supplies represent a big challenge to the delivery of this program.



TRI-CITIES AREA REINFORCEMENT



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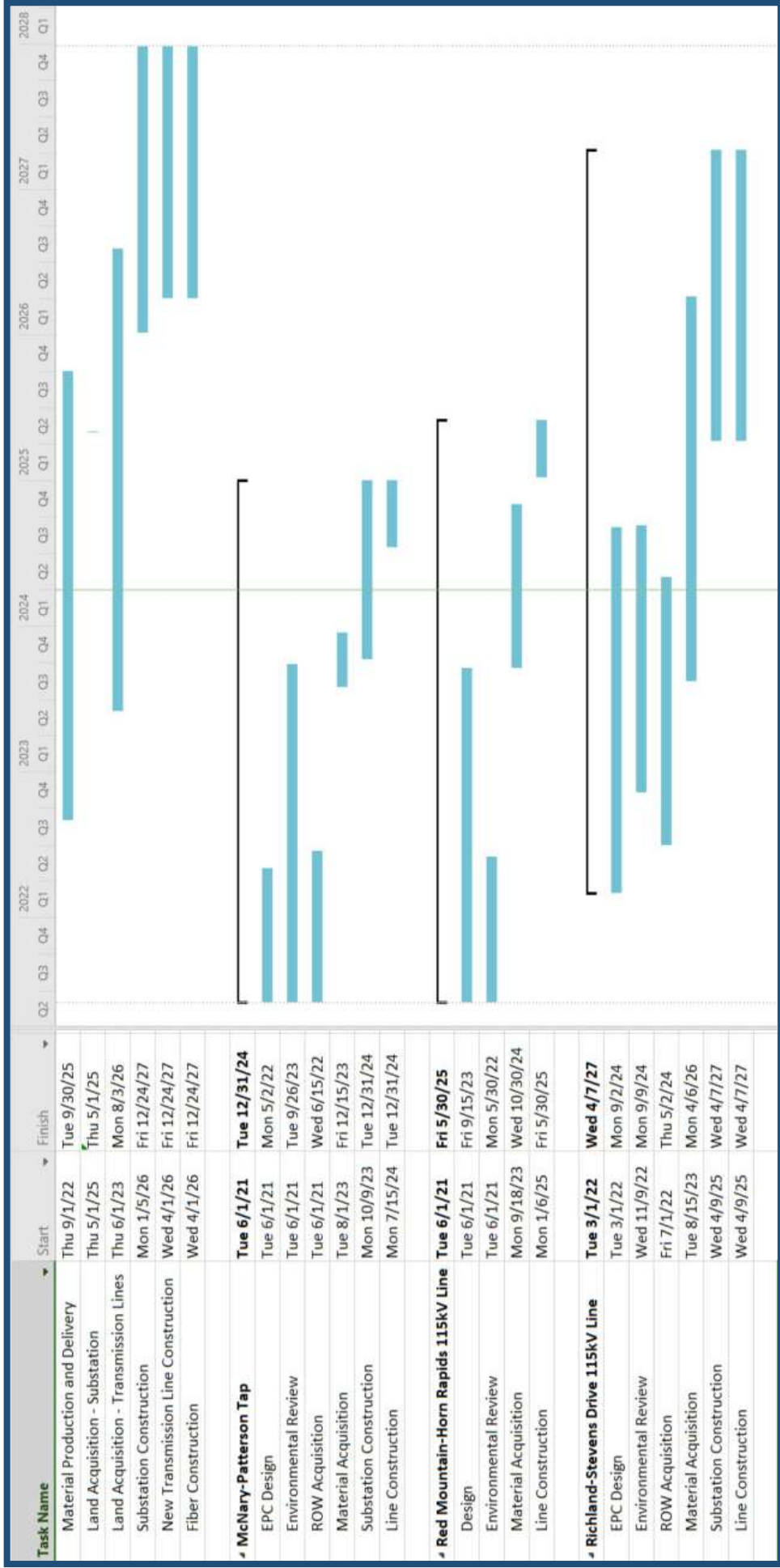
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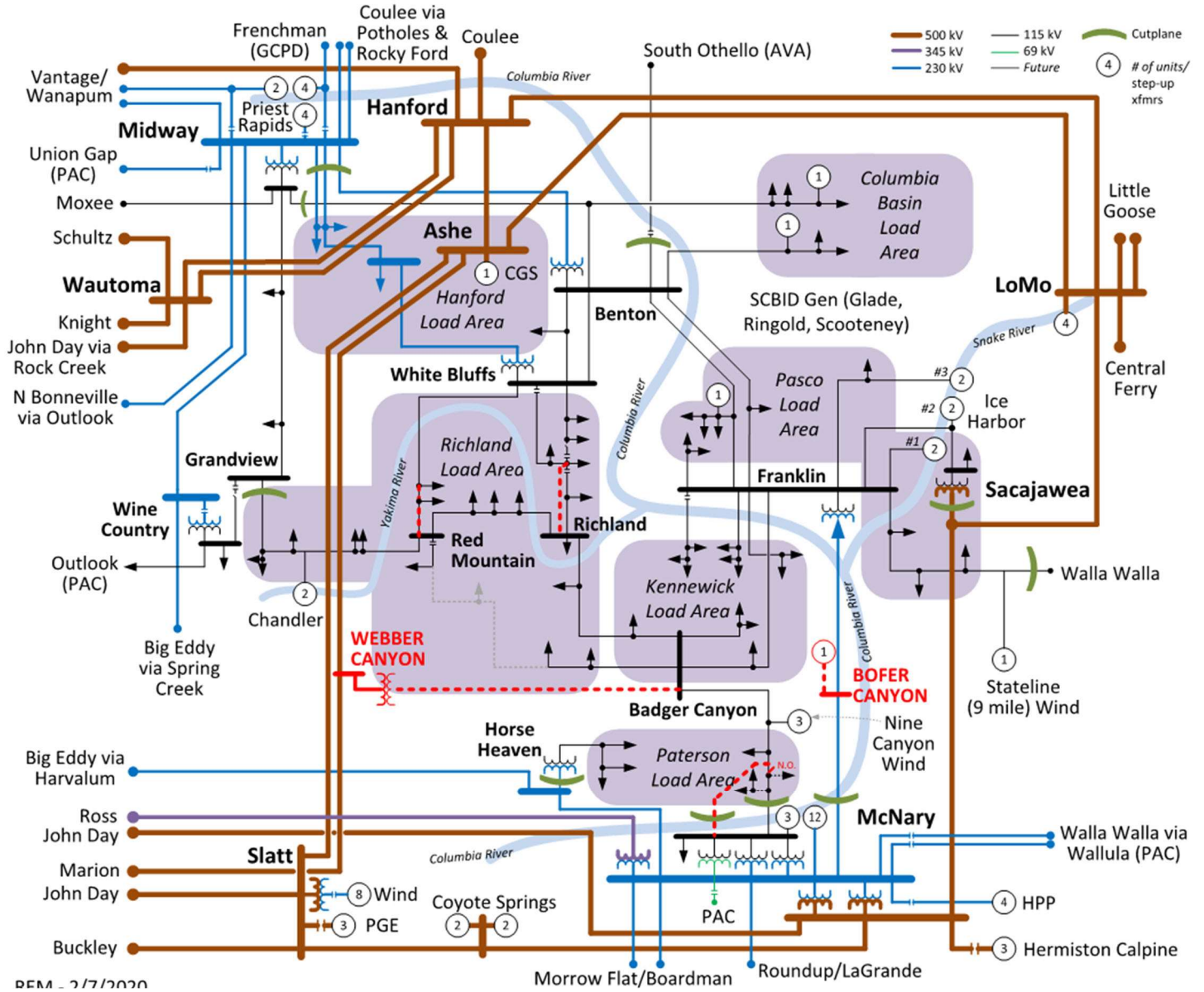


TRI-CITIES AREA REINFORCEMENT



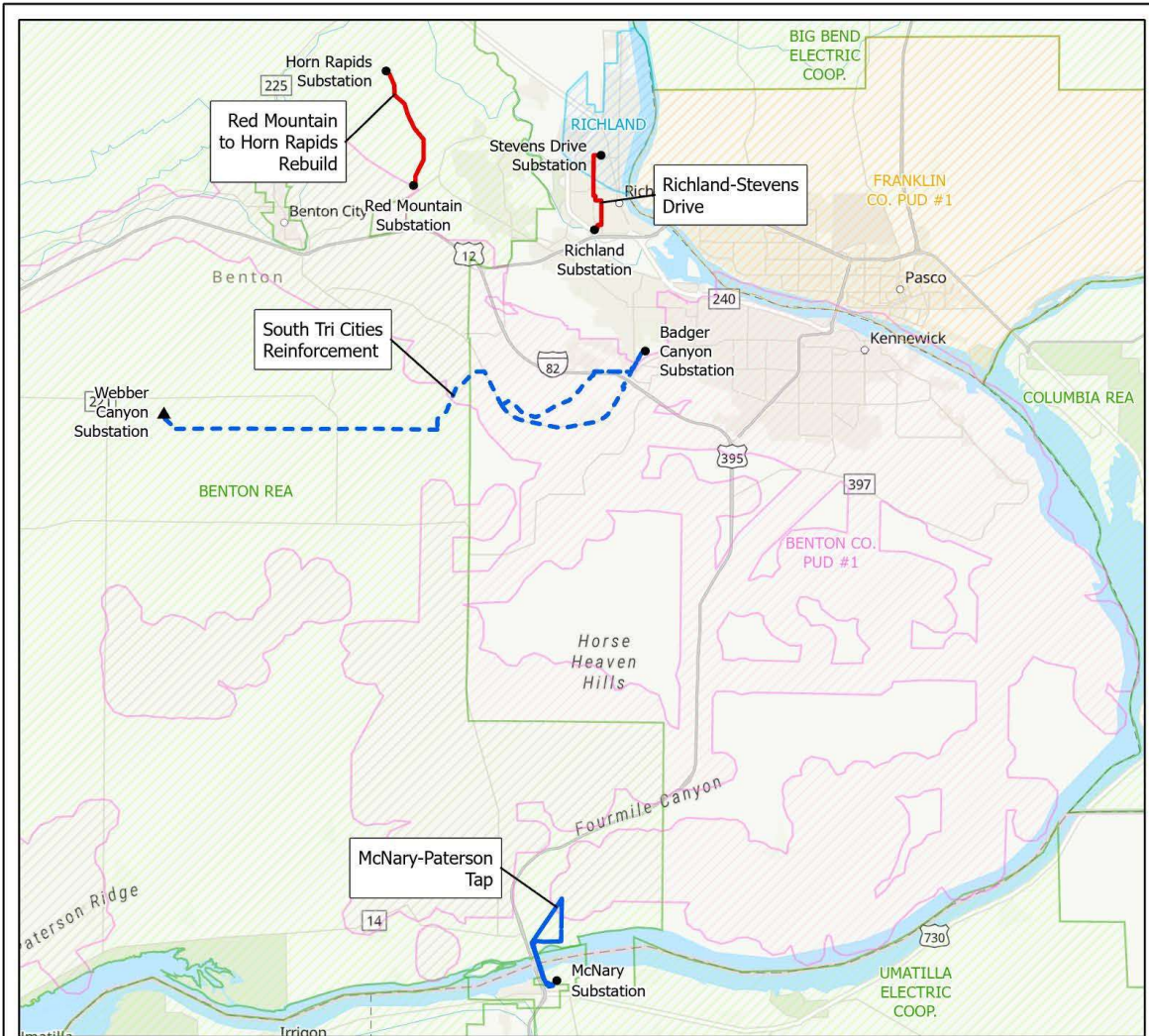


TRI-CITIES AREA REINFORCEMENT





TRI-CITIES AREA REINFORCEMENT

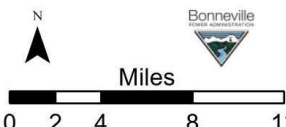


Tri-Cities Area Reinforcement

- Existing Substation
- ▲ Planned Substation
- Transmission Line Rebuild
- Proposed Transmission Line
- - - Proposed Transmission Line Route Options

PUBLIC UTILITY TERRITORIES

- Cooperative
- Municipal
- Benton Co. PUD #1
- Franklin Co. PUD #1



Map Location Date: 6/12/2023

Pre-decisional



UTILITY ADVISORY COMMITTEE AGENDA ITEM COVERSHEET

Meeting Date: 5/14/2024

Agenda Category: Other Informational Items

Prepared By:

Subject:
Forward Agenda

Department:
Energy Services

Recommended Motion:
This item is informational only.

Summary:
June - Fire Station 76 Open House
July - Resource Adequacy
September - Electric Rates Review with Presentation by FCS
September - Low Income Program Changes with Presentation by Empower Datatworks
November - Next Steps for Utilizing AMI Data

Fiscal Impact:
There is no fiscal impact.

Attachments: