

# Priest Rapids Dam Turbine Generator Upgrade

Wicket Gate Servomotor Rehabilitation

Contract #230-4249; Change Order #26

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Mark Beaulieu, Grant PUD, Mechanical Engineer

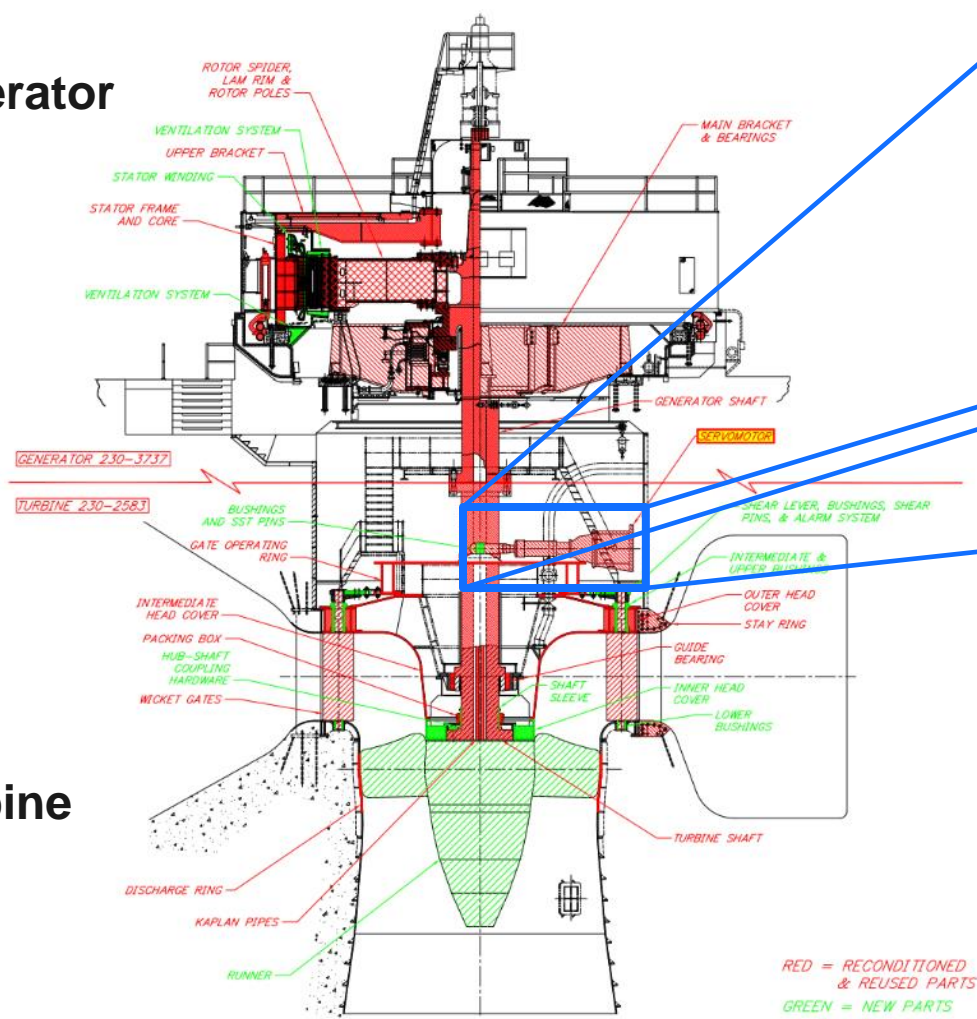


Powering our way of life.

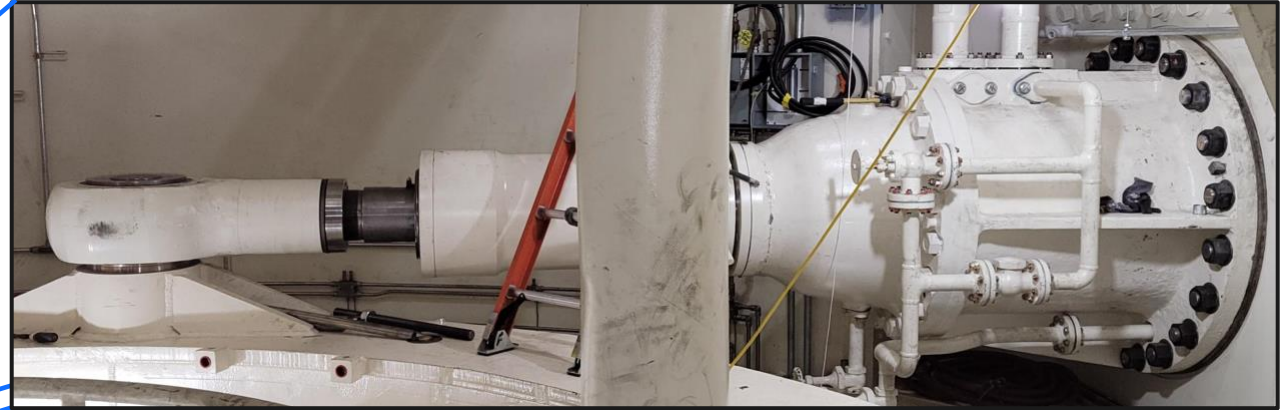
# Wicket Gate Servomotor Assemblies

## Wicket Gate Servomotor Assembly

Generator



Turbine / Generator Section View



Turbine



# Base Contract Scope of Work (Servomotor Disassembly/Inspection/Lead Abatement)

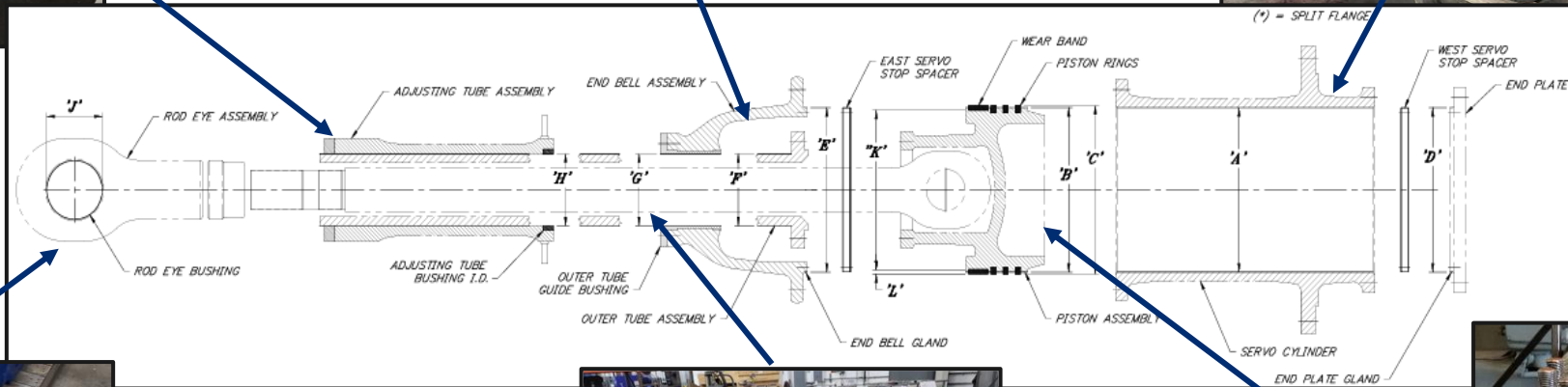
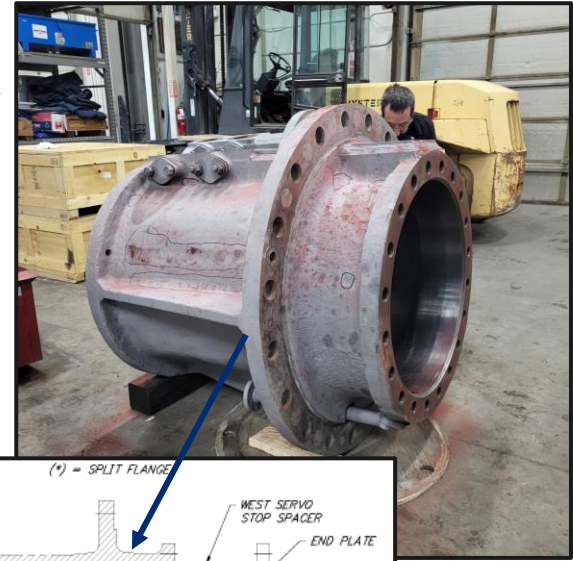
Adjusting Tubes



Bell End



Servo Cylinder



Piston



Rod Eyes / Bushings



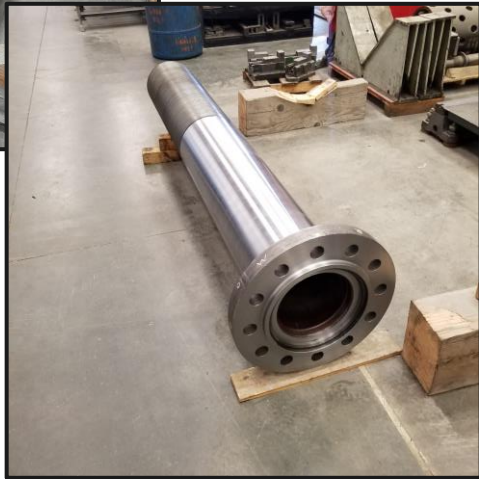
Outer Tube



# Base Contract Scope of Work (Honing/Machining/Polishing/Wear Part Replacement)

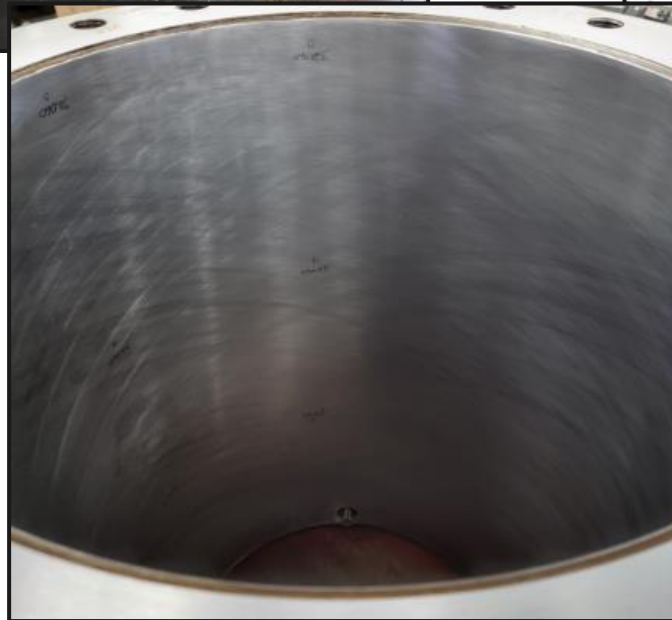
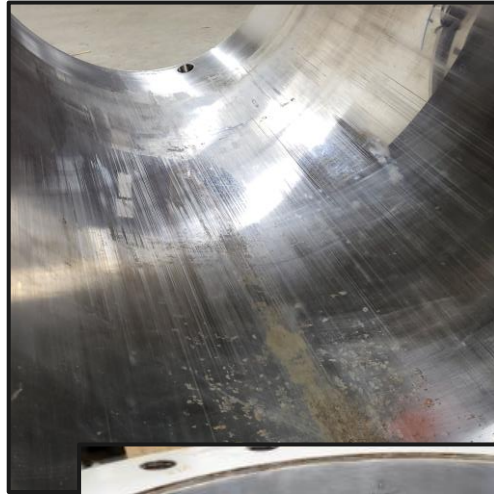


Worn Outer  
Piston Rod

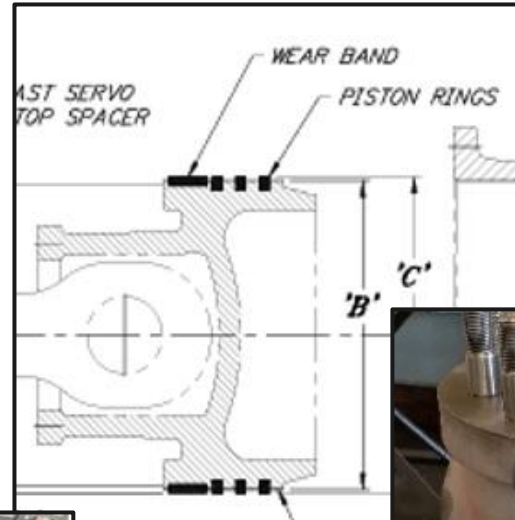


Polished  
Outer  
Piston Rod

Cylinder Bore Scoring and Pitting



Honed Cylinder Bore



Replace Wear Ring  
and Piston Rings

Piston



Wear Ring  
Groove

Piston Ring  
Grooves

## Not Pictured:

- Replace Outer Tube Guide Bushing
- Weld build-up and machine the Cylinder End Plate and Bell End Gland.
- Rod Eye Bushing (Original Design)



# Change Order 26 Scope of Work



Additional modifications to existing Rod Eyes to accommodate improved bushing design and the new Superbolt tensioners.

Improved Rod Eye Bushing



Rod Eye

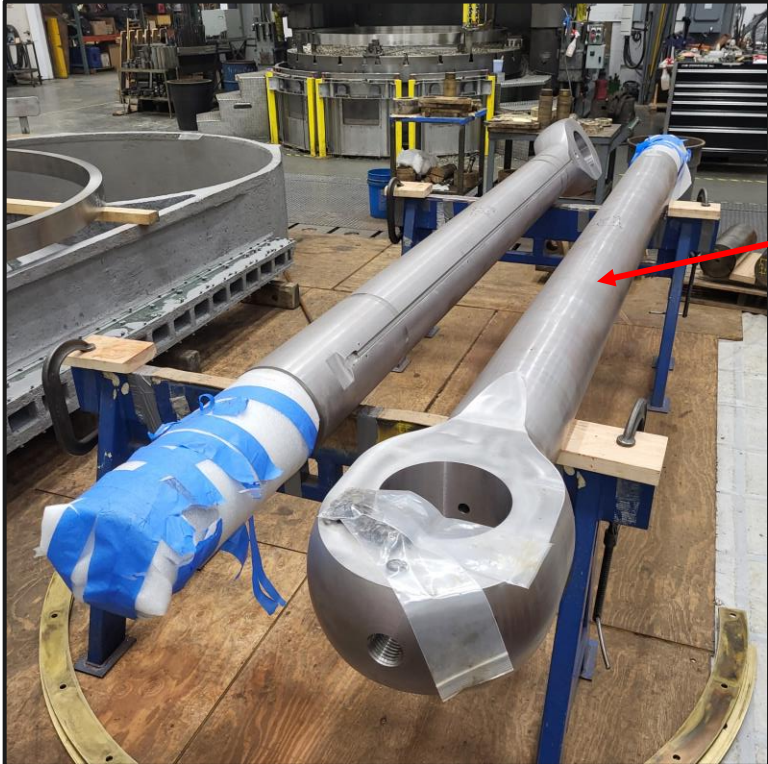
Superbolt Tensioner

Link Rod

New Link Rods (Forged)



New Link Rods (Machined)

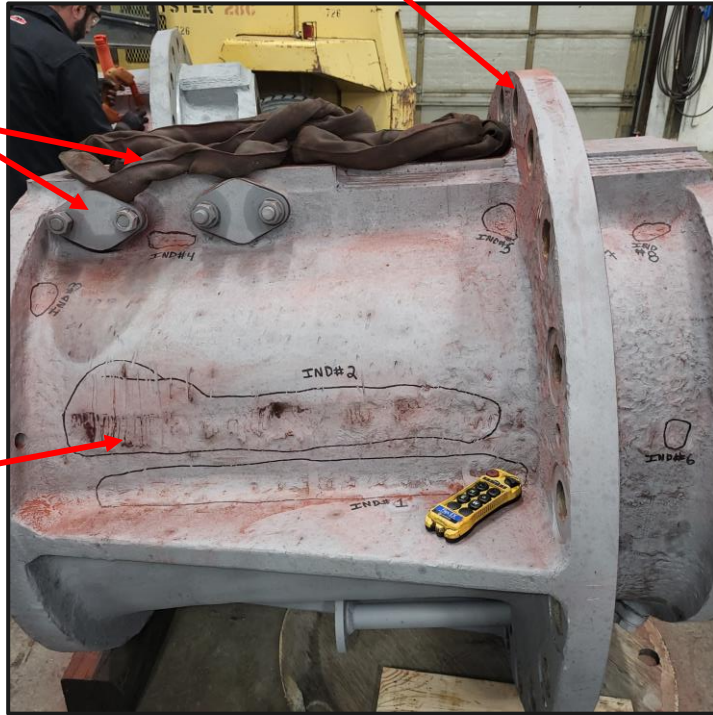


# Change Order 26 Scope of Work

Machine Mounting Surface  
For Position Sensor (East Servo Only)

Machine  
O-ring  
Grooves

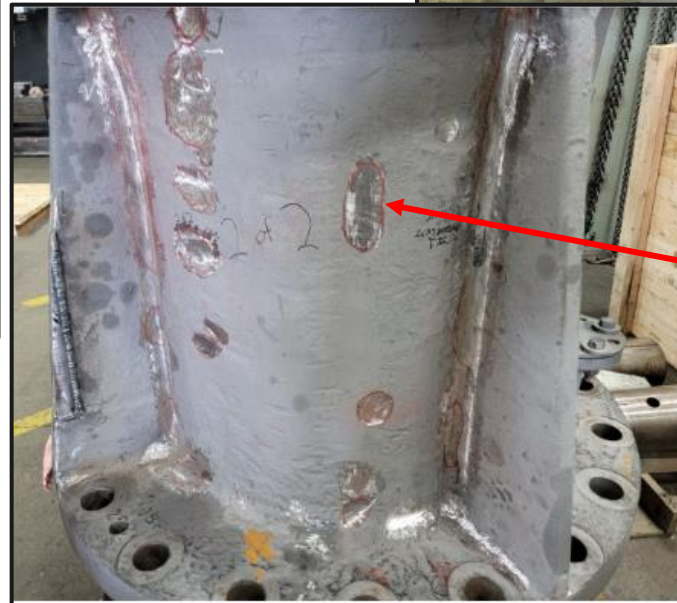
NDE  
Inspections  
Performed  
Under  
Separate  
Contract



Install Tapped Holes  
For Jacking Screws



Excavation Grinding  
and Weld Repair  
Of NDE Crack Indications



Not Pictured:

- Stroke Limiting Spacers set the Servo stroke to 32.5"



# Paint, Final Assembly, and Pressure Test (Base Contract Scope)

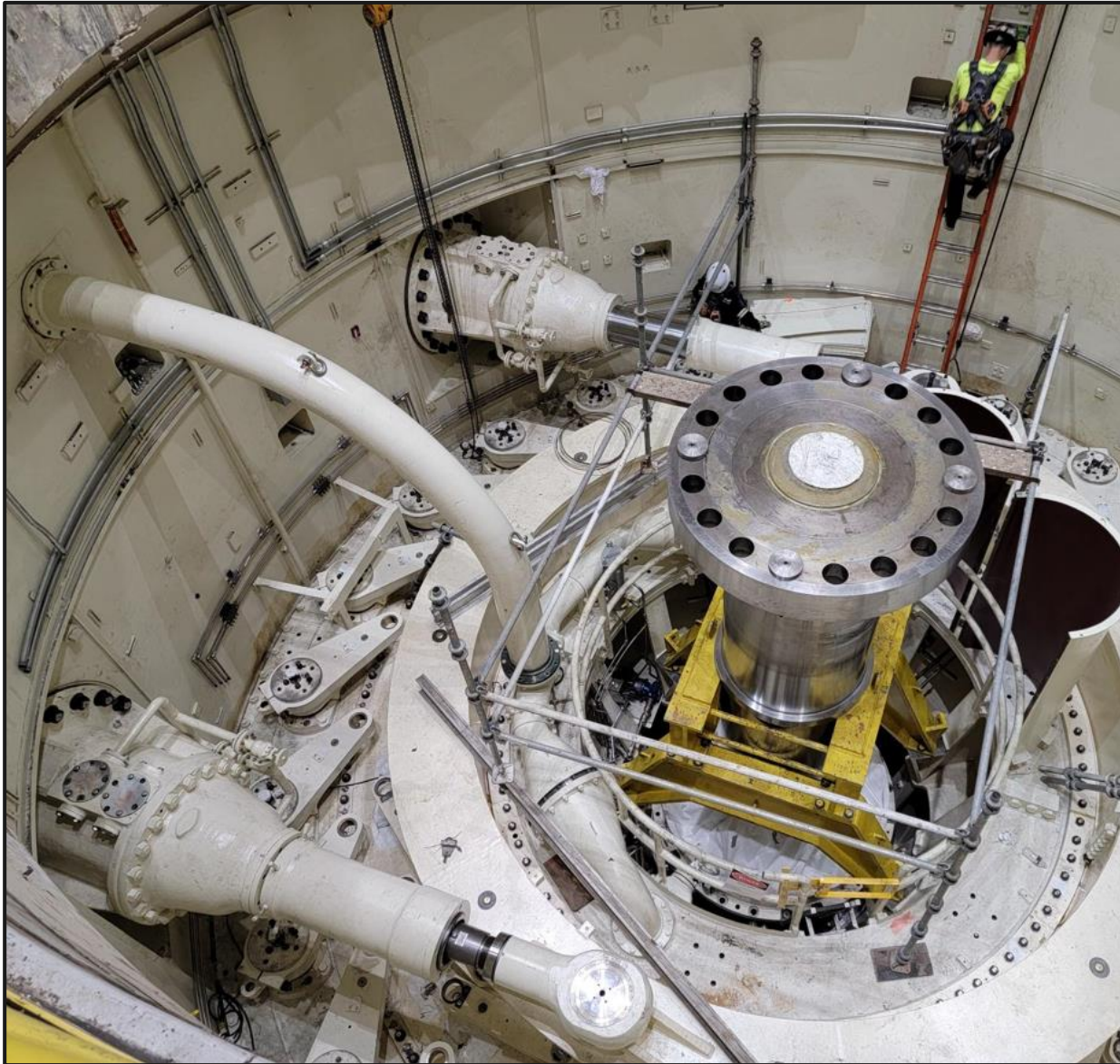


East Servomotor

West Servomotor

Pressure Test Ports





Questions?







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# **EPMO Power Delivery Projects**

**Design Build 2 Update - February 2025**



# Table of Contents



Design-Build vs Bid-Build

Progress Status and Timeline

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Accomplishments



# Design-Build vs Bid-Build



**Design-Bid-Build:** Keeps the roles of designer and contractor separate. The owner is responsible for the design and creating a bid package. Then the owner develops and executes a labor contract for construction.



**Design-Build:** Combines the roles of designer and contractor into a single entity. The builder creates design drawings and builds the project. Design and construction is in parallel.





**Mt. View Cap Bank**  
**Mt. View Mobile Tap/ MWH06**

**Quincy Plains**

**South Ephrata Substation**

**Burke Substation**

**DB2 Location Map**

**Frenchman Hills Substation**

**Royal City Substation**

**Red Rock Substation**



# Red Rock Transmission Line



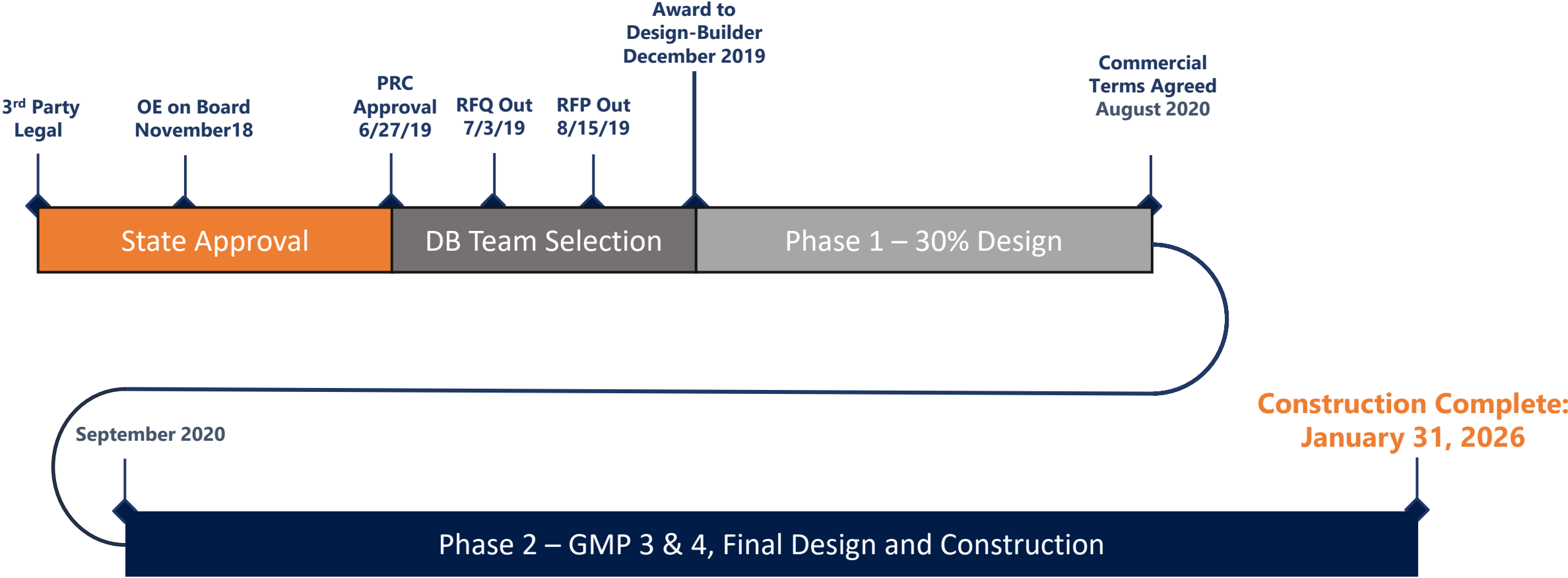


# Design Build 2 Program Status

No.	Project Site	Project Progress				Current Design, Procurement and Construction	Energize Date
		25%	50%	75%	100%		
1.0	Quincy Plains Substation				100%	Energized	June 28, 2021
2.0	Burke Substation				100%	Energized	March 28, 2022
3.0A	Mountain View Mobile Tap				100%	Energized	May 8, 2021
10.0	Royal City Substation				100%	Energized	January 06, 2023
4.0	Baird Springs Line Up 1 and 2				95%	1 <sup>st</sup> Line Up energized	September 12, 2024
						2 <sup>nd</sup> Line Up energization pending customer need by date and T&C	TBD
3.0	MT View Cap Bank			75%		Remaining SOW transferred to QTEP	TBD
6.0	Frenchman Hill Substation				100%	Contracted scope completed November 26, 2024	TBD
8.0	South Ephrata Substation & Ring Bus			65%		In Construction	Q4 2025
3.0B	Mountain View Distribution (MWH06)	15%				Civil 100%. Electrical 60%. Material procurement and construction to be funded by GMP4	Q1 2026
5.0	Red Rock Substation			85%		In construction	TBD
7.0	Red Rock Transmission		50%			In construction	TBD



# Project Timeline



# Recent Accomplishments



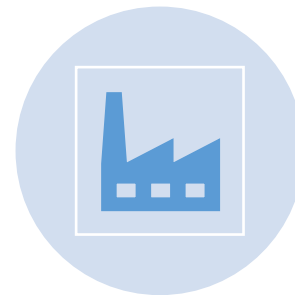
Resumed construction at South Ephrata Substation



Construction kick-off at Red Rock Transmission Line



Replacement transformer received for Red Rock Substation and resumed construction



Providing load to large industrial customer from Baird Springs Substation



# GMP4 Overview

- This will increase the contract price from \$104,609,829.15 to \$110,316,381.25
- Extends completion date from March 31, 2025 to January 31, 2026
- Requesting Commission approval of Change Order No. 13 to Contract 130-09724 with Quanta Infrastructure Solutions Group, LLC. in the amount of \$5,706,552.10 on February 28, 2025

# Cost Revision

	Current Budget	Change Order No.13	Revised Total Cost
<b>QISG - TOTAL COST</b>	\$104,609,829	\$5,706,552	\$110,316,381
<b>0.0 - General Conditions - Not to Exceed</b>	\$21,930,147	\$2,616,826	\$24,546,972
<b>1.0 - Quincy Plains Substation</b>	\$1,635,687	N/A	\$1,635,687
<b>2.0 - Burke Substation Rebuild</b>	\$6,579,929	\$10,830	\$6,590,759
<b>3.0 - Mountain View Cap Bank</b>	\$16,005,025	(\$1,992,140)	\$14,012,885
<b>3.0A – Mountain View Mobile Tap</b>	\$2,682,352	N/A	\$2,682,352
<b>3.0B – Mountain View Distribution (MWH06)</b>	\$1,014,251	\$4,509,822	\$5,524,074
<b>4.0 - Baird Springs Substation</b>	\$10,369,731	\$12,010	\$10,381,741
<b>5.0 - Red Rock Substation</b>	\$6,661,965	\$8,789	\$6,670,754
<b>6.0 - Frenchman Hill Substation</b>	\$1,753,333	\$15,234	\$1,768,567
<b>7.0 - Red Rock Transmission Line</b>	\$21,081,623	\$315,692	\$21,397,315
<b>8.0 - South Ephrata Substation</b>	\$8,871,971	\$198,816	\$9,070,787
<b>9.0 - South Ephrata Ring Bus</b>	\$62,478	N/A	\$62,478
<b>10.0 - Royal City Substation</b>	\$5,961,337	\$10,673	\$5,972,010



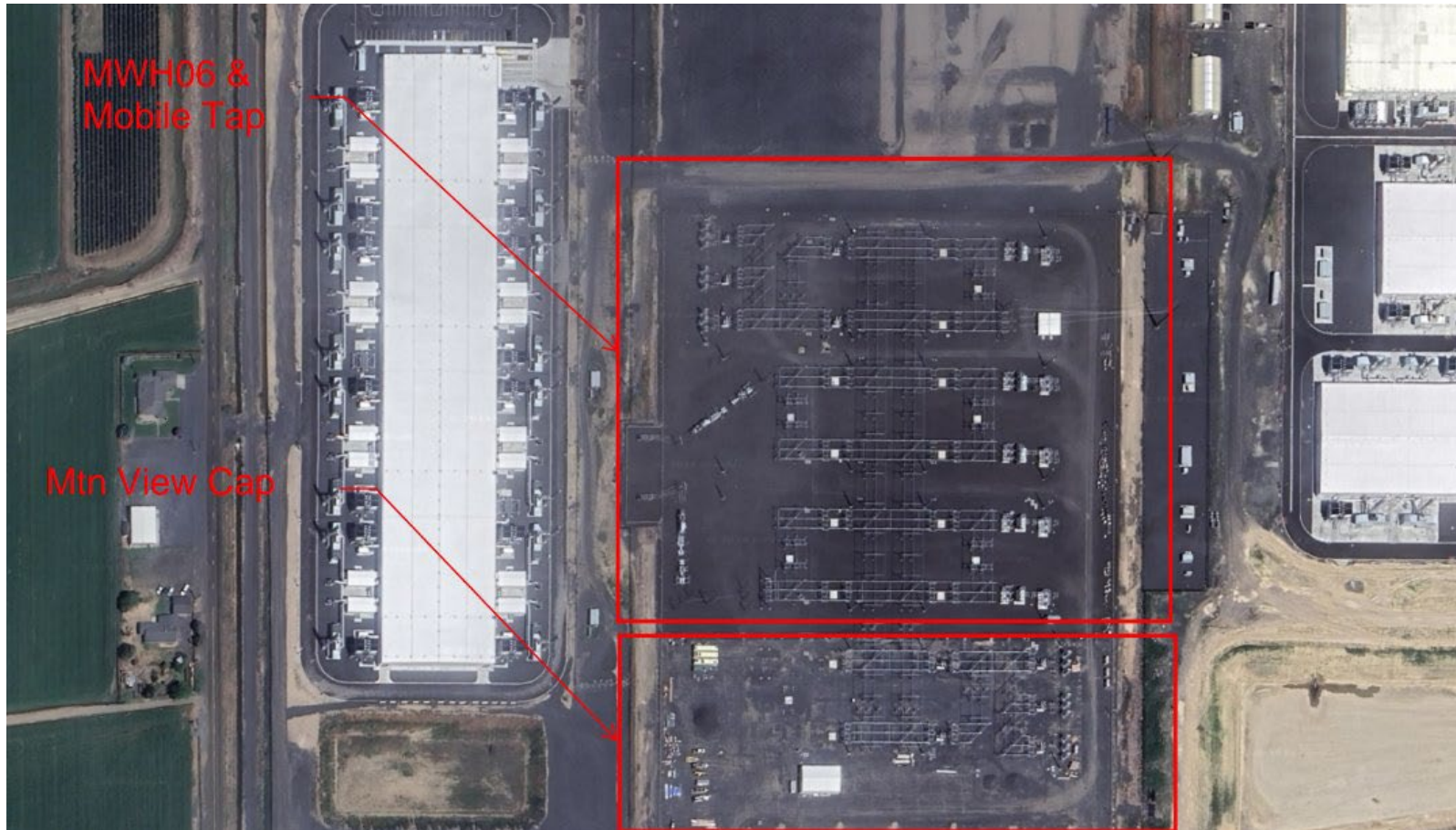


## **QISG GMP 4 Amendment - \$5.7 Million, Q1 2025:**

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- Procurement and construction of MWH06
- Revision of lighting circuit scope at Frenchman Hills Substation
- Red Rock Transmission Line construction
- South Ephrata Substation and Ring Bus distribution rack install
- As-Built Drawing Records Update

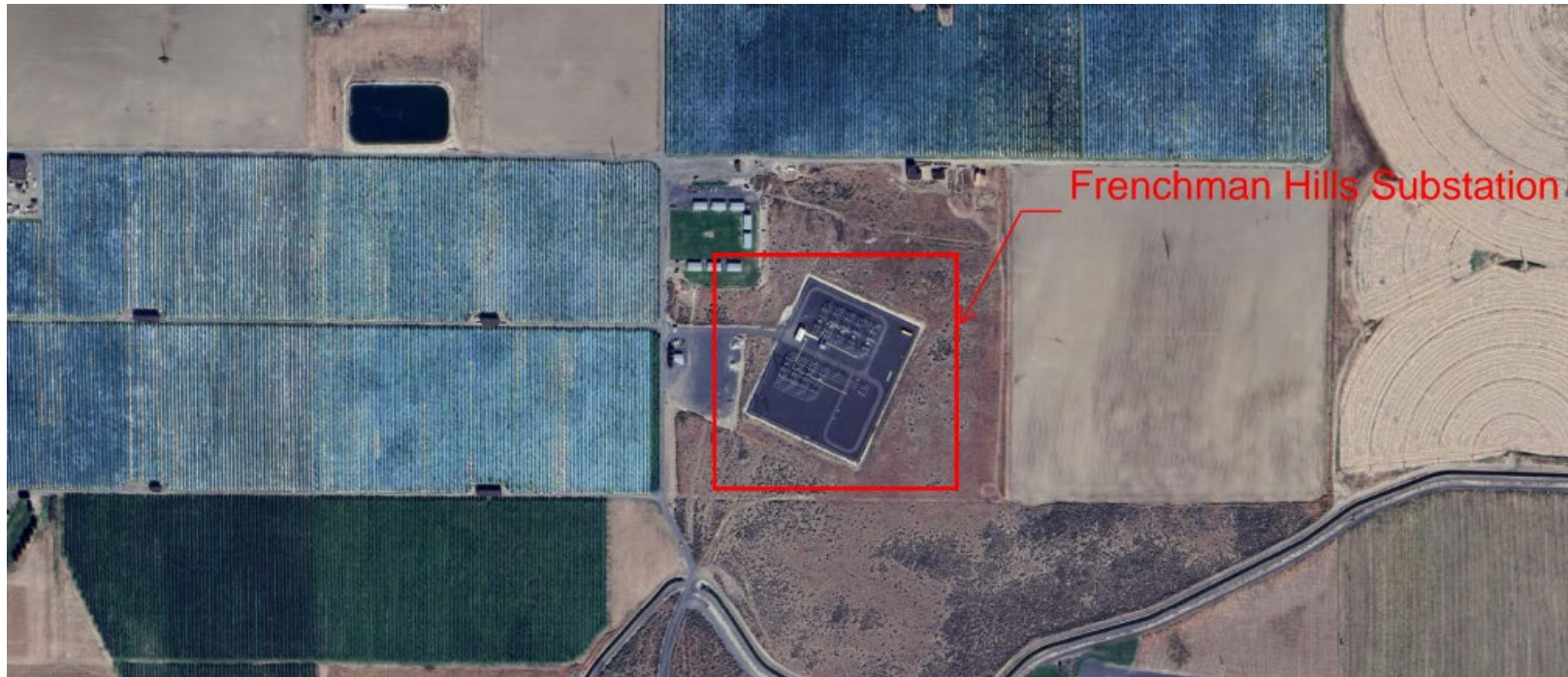
# Mountain View Distribution (MWH06): \$4,509,822



- Procure material and construct two 41 MVA distribution transformer lineups to replace mobile transformers located at Mountain View Substation



# Frenchman Hills Substation: \$15,234



- Revised lighting circuit installation

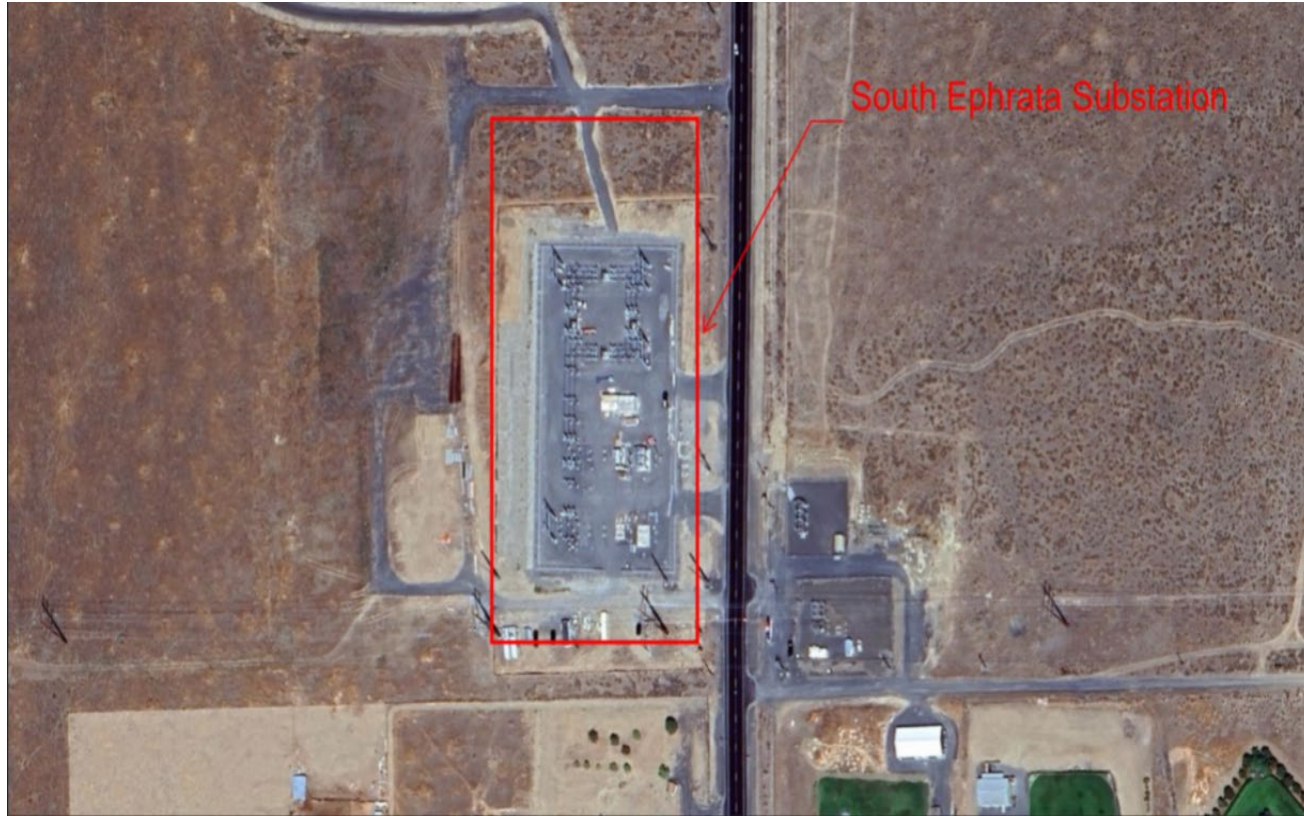
# Red Rock Transmission Line: \$315,692



- Labor rate adjustment to complete construction in 2025

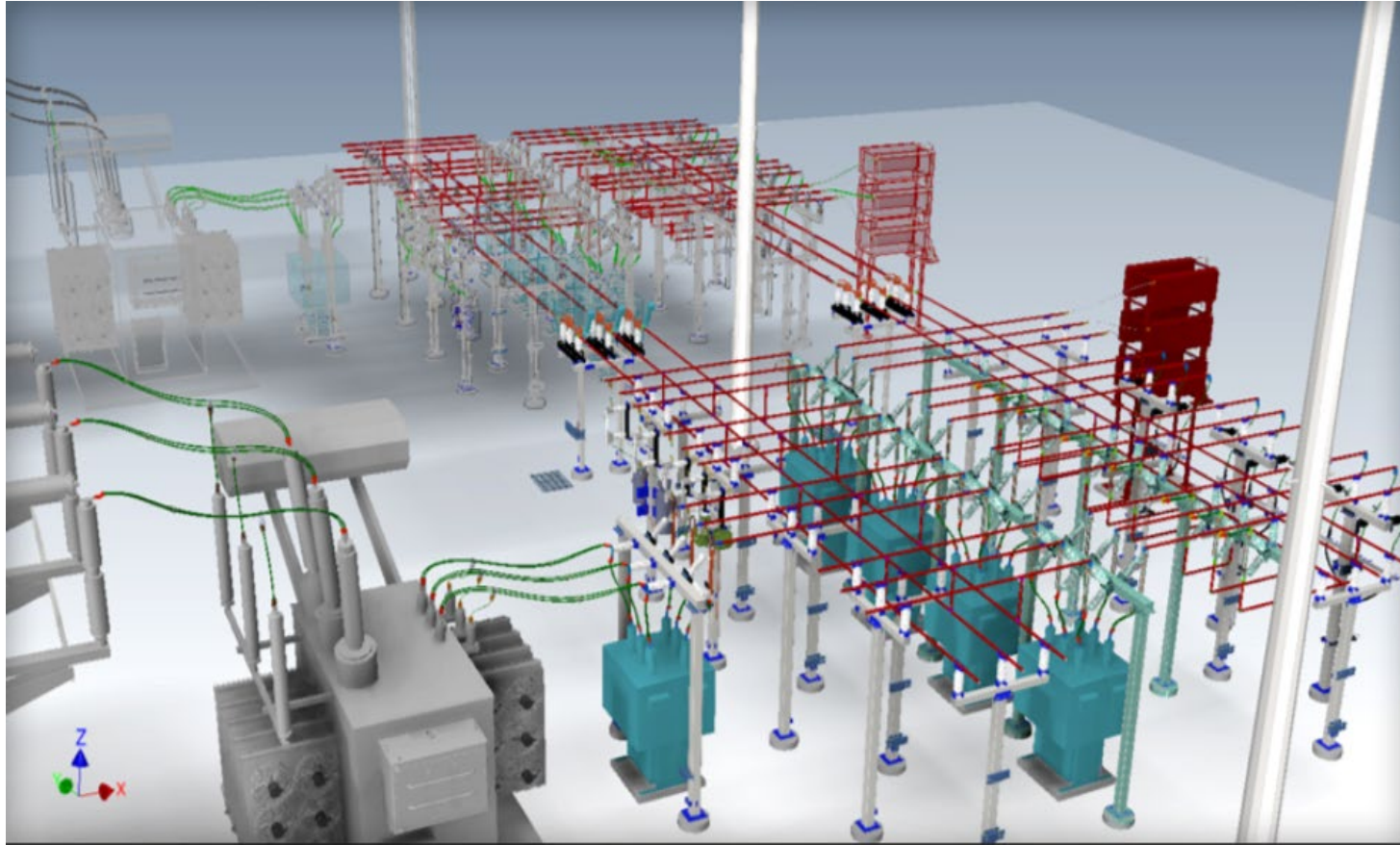


# South Ephrata Substation & Ring Bus: \$198,816



- Potelco labor rate adjustment in 2025
- Tommer labor rate adjustment in 2025
- Complete design & material procurement
- Update as-builts to latest District substation drawing template
- Re-installation of the distribution rack

# As-Built Drawings



Update station drawing templates for:

- Burke Substation
- Mountain View Substation
- Baird Springs Substation
- Red Rock Substation
- South Ephrata Substation
- Royal City Substation



**Questions?**

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# Thank You



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QUARTERLY BUSINESS REVIEW

# Safety

February 2025



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# PD Safety Team Updates



**Eric Johnson**

*Sr, Safety Coordinator/PD Lead*



**Danny Combs**

*Safety Coordinator  
/PD Field Support*



**Jordan Rang**

*Safety Coordinator  
/Contractor Support*



**Kristen Dorsey**

*Safety Coordinator  
/Program and cultural support*



# PP Safety Team Updates



**Nichole Bortle**

*Sr, Safety Coordinator/PP Lead*



**Iley Mace**

*Safety Coordinator  
/PP Field Support*



**John Price**

*Sr, Safety Coordinator  
/Industrial Hygiene Lead*



**Jessica Ziegler**

*Data Analysis  
/Data coordination and support*

# Q4 Recap

## Quarterly Goals

- **Improve Key Performance Indicator tracking and reporting**
  - **Incorporate CI Team 6 improvements on the Job Site Review (JSR) Program into our monthly Safety Report. In addition to reporting additional data from JSRs Safety worked with the CI Team to make the data available to managers and supervisors.**
  - **Incorporate safety action item reporting into the Condition Reporting system**



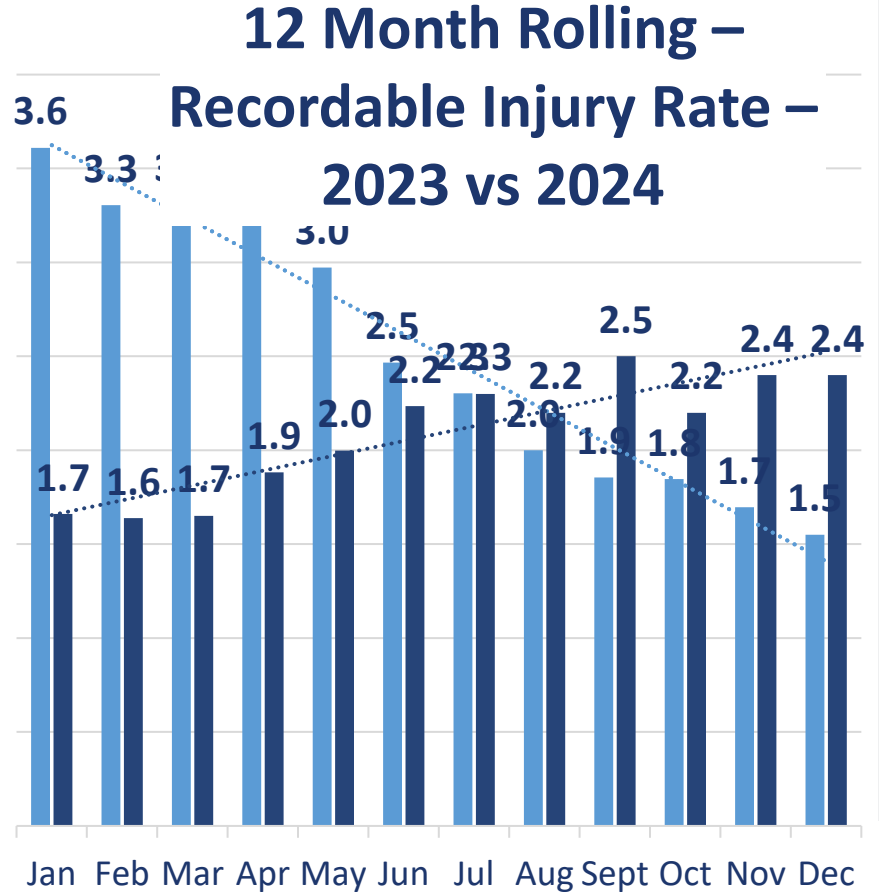
# 2024 TCR and EMR

## Experience Modification Rate

The experience factor is calculated using the three-year period ending 18 months before the rates go into effect. The company's claim costs and reported hours are used to calculate the EMF.

**0.74**

State average is 1.0



# Q1 Outlook

## Near-Term Plans

- Support CI Team 7 efforts on a workplace fatigue safety program
- On 6/12/2025 - Together in Excellence: Safety, Teamwork, and Wellness



# Long-Term Strategy

- Utilize Condition reporting data to select areas for improvement using Rapid Improvement Workshops in coordination with the Continuous Improvement Team.
- Work with the Safety Steering Team on Continuous Improvement Team 8 initiatives.

# Commission Support: Key Asks

- Upcoming contracts, change orders, policy changes or decision points requiring Commission involvement:
  - Active participation in the Together in Excellence: Safety, Teamwork, and Wellness event on 6/12/2025.
  - Support for CI Team 8 program roll-out



# Questions?



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# Thank you!



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<b>Department Name:</b>	<b>Key Presenters:</b>	<b>Date:</b>
Safety	Craig Bressan	02/11/2025

Presenters, please fill out the following information and provide it to Commissioners as a supplement to your presentation.

## LAST QUARTER RECAP

<b>Quarterly Goals</b>	<ul style="list-style-type: none"> <li>Schedule and plan a combination Safety Day, Employee Appreciation Day and a Wellness Event for June of 2025 (Together in Excellence: Safety, Teamwork, and Wellness).</li> <li>Release a tool to allow managers and supervisors to review JSRs for specific areas and teams.</li> </ul>
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## NEAR-TERM PLANS (NEXT QUARTER)

<b>Project Updates</b>	<ul style="list-style-type: none"> <li>Support CI Team 7 efforts on a workplace fatigue safety program</li> <li>On 6/12/2025 - Together in Excellence: Safety, Teamwork, and Wellness</li> </ul>
------------------------	--

## LONGER-TERM STRATEGY

<b>Roadmap</b>	Discuss strategic initiatives and projects on the longer-term roadmap:
<b>Strategy</b>	<ul style="list-style-type: none"> <li>Utilize Condition reporting data to select areas for improvement using Rapid Improvement Workshops in coordination with the Continuous Improvement Team.</li> <li>Work with the Safety Steering Team on Continuous Improvement Team 8 initiatives.</li> </ul>

## COMMISSION SUPPORT: KEY ASKS

<b>Specific Requests</b>	<ul style="list-style-type: none"> <li>Upcoming contracts, change orders, policy changes or decision points requiring Commission involvement:</li> <li>Active participation in the Together in Excellence: Safety, Teamwork, and Wellness event on 6/12/2025.</li> <li>Support for CI Team 8 program roll-out</li> </ul>
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QUARTERLY BUSINESS REVIEW

# Transportation

February 11th



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# Q4 Recap

## Quarterly Goals

Goal 1: Maintain a 95% fleet availability.

Goal 2: Stand up the apprenticeship program. We hired 2 apprentices, and both will advance to Step 2 in March.

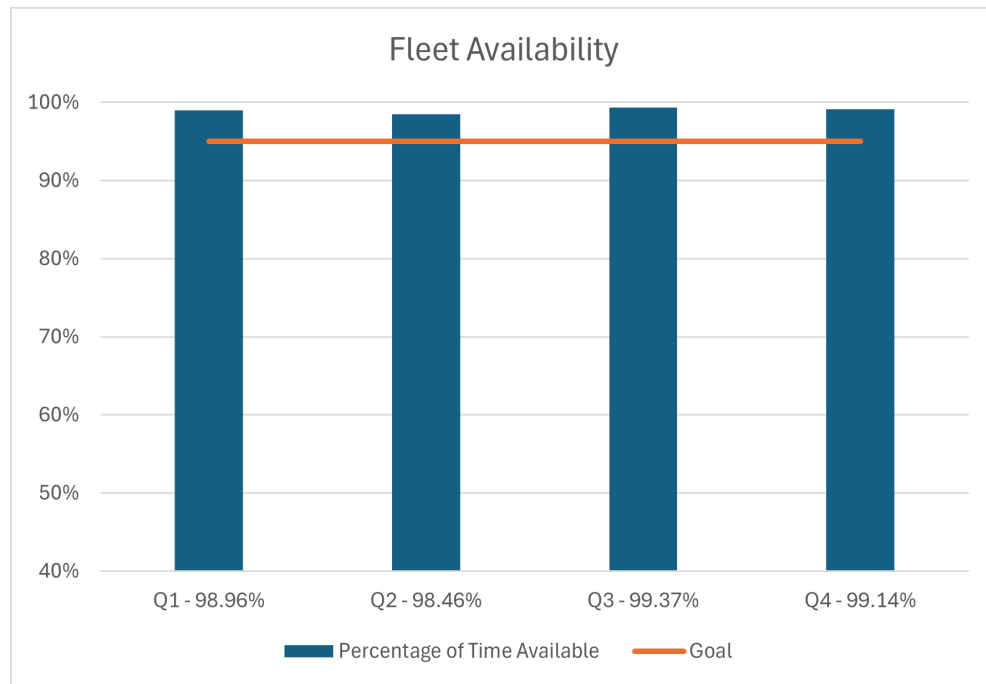
# Q4 Recap

## Key Metrics

Fleet Availability = # of hours vehicles need to be available for use ÷ # of hours vehicles were out of service for maintenance etc.

## Insights

Overall 98.5% availability in 2024





# Q1 Outlook

## Near-Term Plans

- Re-evaluate capital replacement plan. It's been 5 years since the last update.
- Transitioning from SAMSARA GPS to AssetWORKS GPS. This project will include installation of new GPS units in 650 assets.
- In the final stages of updating the Vehicle/Asset Usage Policy to accommodate the addition of the Vehicle Safety Program, and to make it easier to find vehicle related documents by consolidating policies.



# Long-Term Strategy

- Re-evaluating vehicle usage, to reassign vehicles to better meet the needs of other departments without purchasing additional assets.
- Working with other new & growing departments to ensure they have the equipment they need.
- Evaluating vehicle usage and where we can put Electric Vehicles in the district without disrupting productivity, when future regulations require us to purchase them.
- Providing support to ensure departments have the proper equipment to do their work safely and efficiently.

# Commission Support: Key Asks

- No upcoming Change Orders or contracts that require Commission involvement.
- We are in the final stages of updating the outdated Vehicle/Asset Usage Policy.



# Questions?



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# Thank you!



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<b>Department Name:</b>	<b>Key Presenters:</b>	<b>Date:</b>
Transportation	Brian Barrows – Fleet Manager	2/11/2025

Presenters, please fill out the following information and provide it to Commissioners as a supplement to your presentation.

## LAST QUARTER RECAP

<b>Quarterly Goals</b>	<p>Maintained above 95% fleet availability – Q4 of 2024 we had a 99% fleet availability, 98.5% for all of 2024.</p> <p>In 2024 we got the apprenticeship program up and running and hired 2 apprentices. They will both move to step 2 in March.</p>
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## NEAR-TERM PLANS (NEXT QUARTER)

<b>Project Updates</b>	<ul style="list-style-type: none"> <li>• Re-evaluate capital replacement plan. It's been 5 years since the last update.</li> <li>• Transitioning from SAMSARA GPS to AssetWorks GPS, includes installation of new GPS units in 650 assets.</li> <li>• Final stages of updating the Vehicle/Asset Usage Policy to accommodate the addition of the Vehicle Safety Program, and to make it easier to find vehicle related documents by consolidating policies.</li> </ul>
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## LONGER-TERM STRATEGY

<b>Roadmap</b>	Discuss strategic initiatives and projects on the longer-term roadmap:
<b>Strategy</b>	<ul style="list-style-type: none"> <li>• Re-evaluating vehicle usage, to reassign vehicles to better meet the needs of other departments without purchasing additional assets.</li> <li>• Working with other new and growing departments to ensure they have the equipment they need.</li> <li>• Evaluating where we can put EV vehicles in the district without disrupting productivity, when future regulations require us to purchase them.</li> <li>• Providing support to ensure departments have the proper equipment to do their work safely &amp; efficiently.</li> </ul>

## COMMISSION SUPPORT: KEY ASKS

<b>Specific Requests</b>	<ul style="list-style-type: none"> <li>• No upcoming Change Orders or contracts that require Commission involvement. We are in the final stages of updating the outdated Vehicle/Asset Usage Policy.</li> </ul>
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# Load Variance Report

Business Intelligence & Market Analytics  
2024 Q4

**Matt Birch**  
Senior Economist

**Shaun Harrington**  
Senior Economist



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# Overview

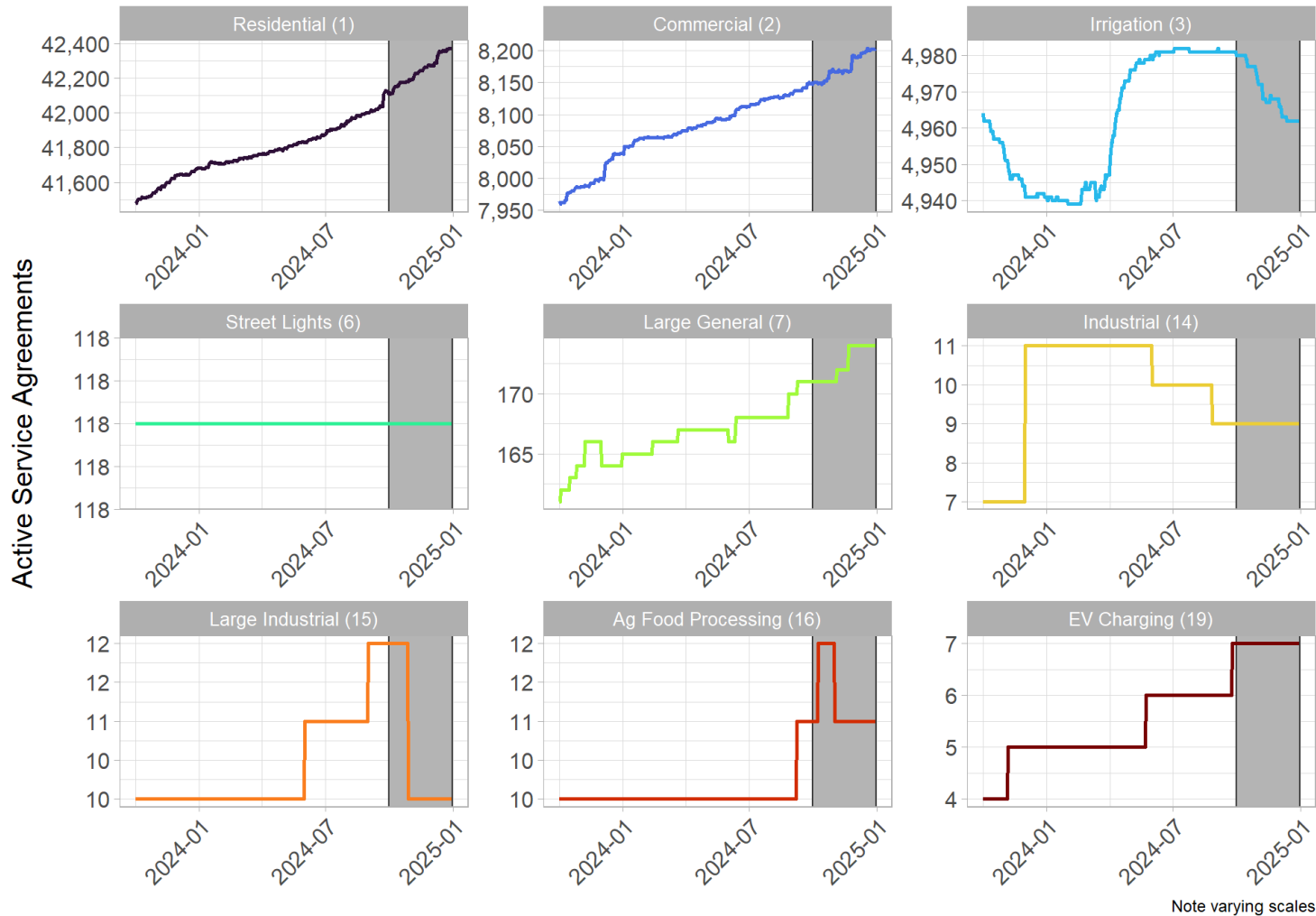
# Actual & Forecast Billed Sales

Grant PUD Actual & Forecast Billed Loads

	Actual YTD	Budget Forecast YTD	Forecast Delta
Residential (1)	94.0	100.8	6.8
Commercial (2)	62.7	63.5	0.8
Irrigation (3)	47.9	44.7	-3.2
Street Lights (6)	0.5	0.5	0.0
Large General (7)	46.8	38.3	-8.5
Industrial (14)	34.5	50.4	15.9
Large Industrial (15)	314.1	355.7	41.6
Ag Food Processing (16)	37.9	40.5	2.6
EV Charging (19)	0.3	0.1	-0.2
<b>Total GCPUD</b>	<b>638.7</b>	<b>694.5</b>	<b>55.8</b>

- 2024 Q4 total billed loads were 638.7 aMW.
  - This is 55.8 aMW (8%) below the projected 694.5 aMW.
- Large Industrial (15) accounted for the largest deviation from the forecast at 41.6 aMW below forecast.

# Customer Counts

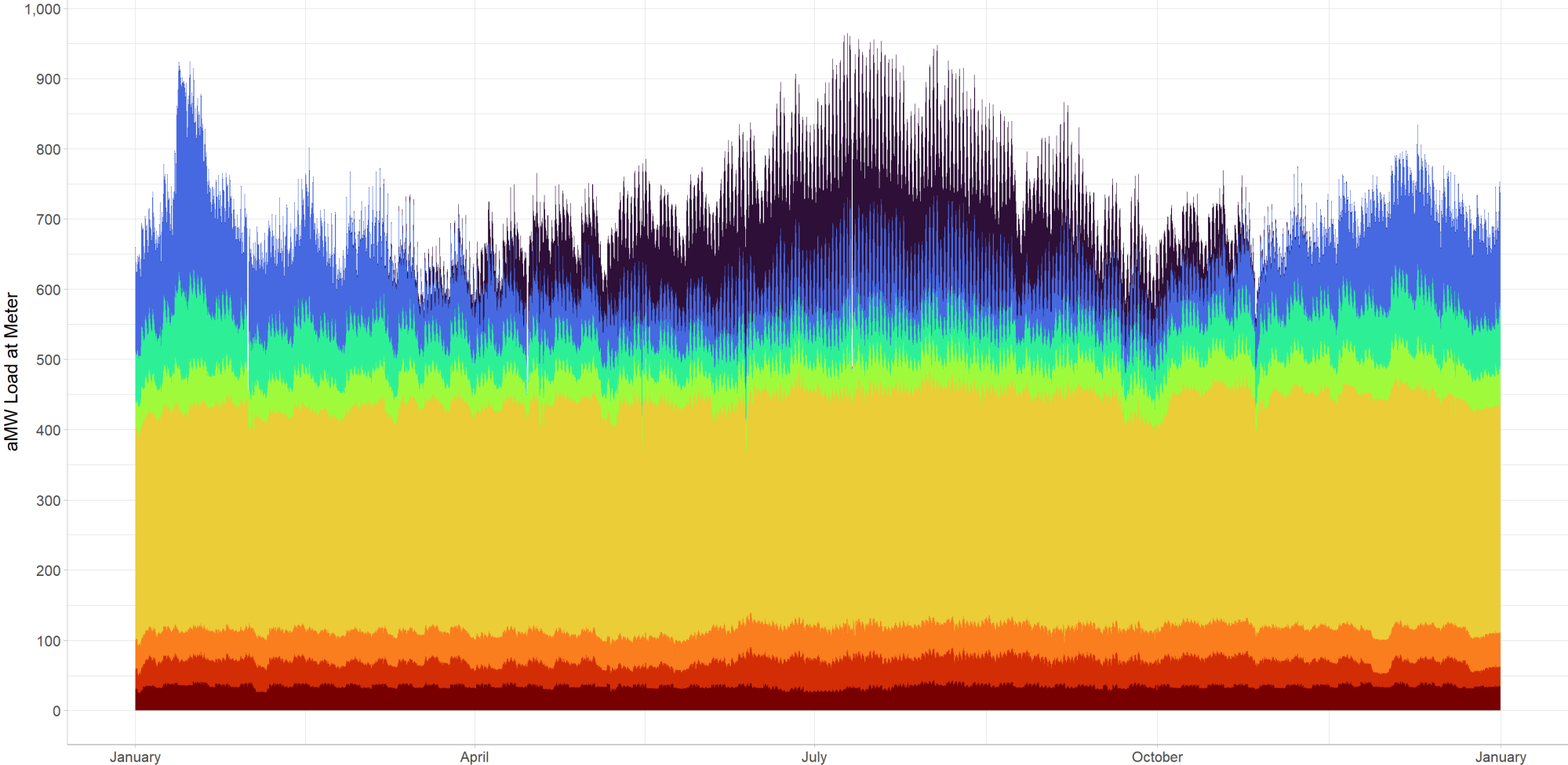


- Customer counts are counts of active service agreements
- RS3 demonstrates seasonal fluctuation of irrigation customers



# Hourly Loads at Meter

Grant PUD Hourly Loads at Meter by Rate Schedule



Rate Schedule

■ RATE3	■ RATE1	■ RATE19	■ RATE2	■ RATE7
■ RATE15	■ RATE17B	■ RATE16	■ RATE14	

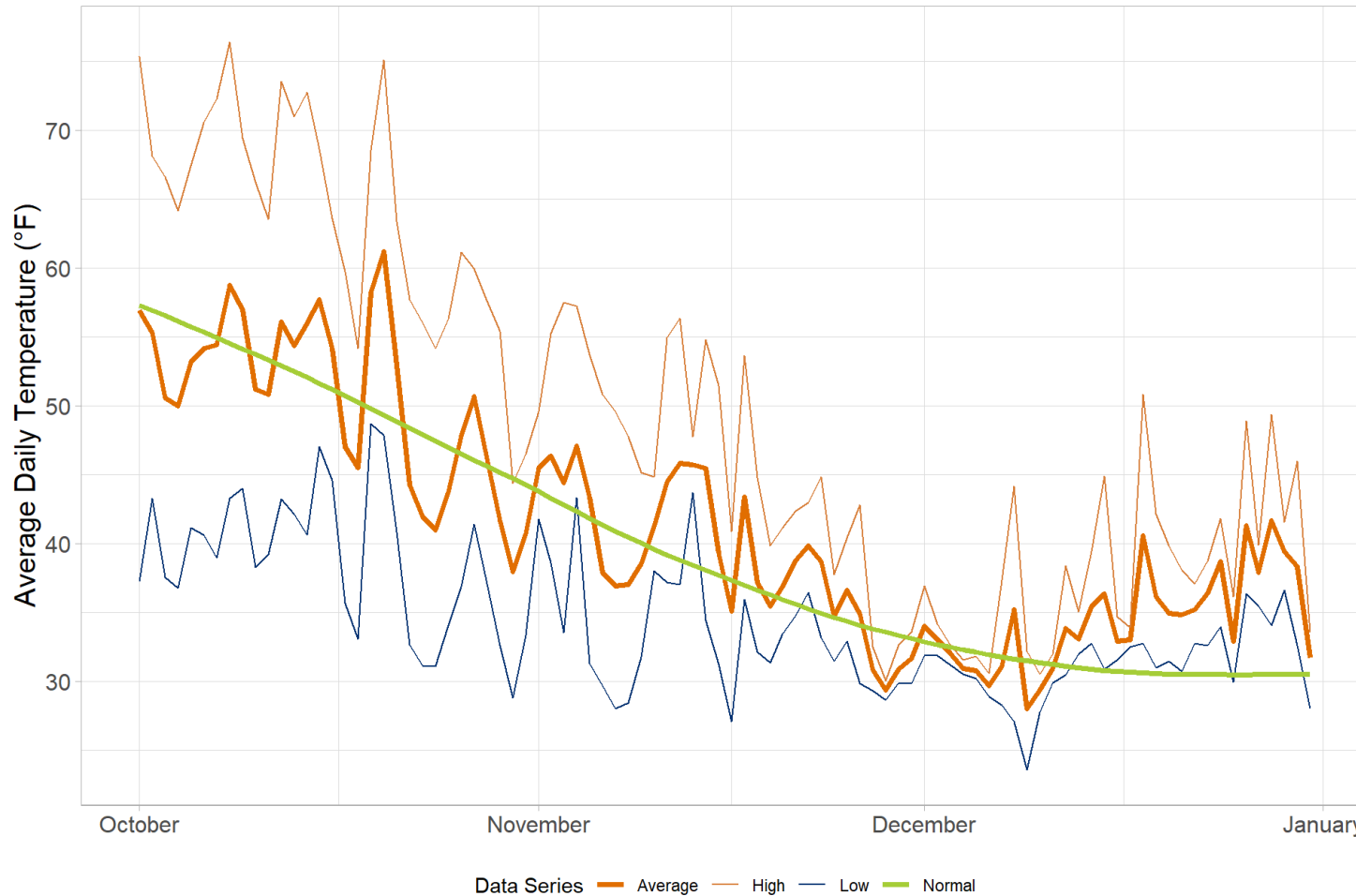


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# Weather

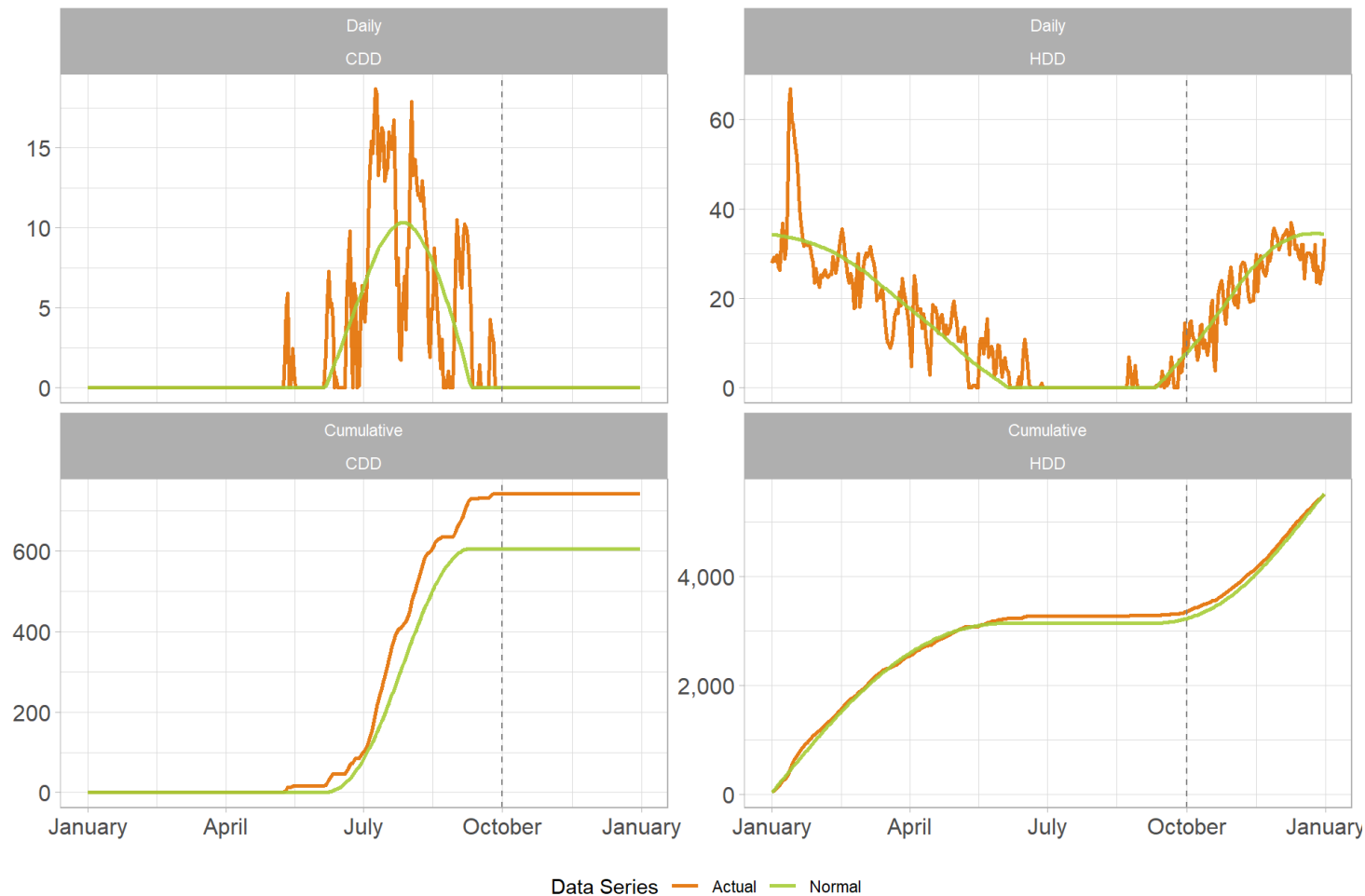
# Daily Temperatures

Grant County Daily Temperatures (°F)



- 56 days with an average temperature above normal.
- 36 days with an average temperature below normal.

# Heating & Cooling Degree Days



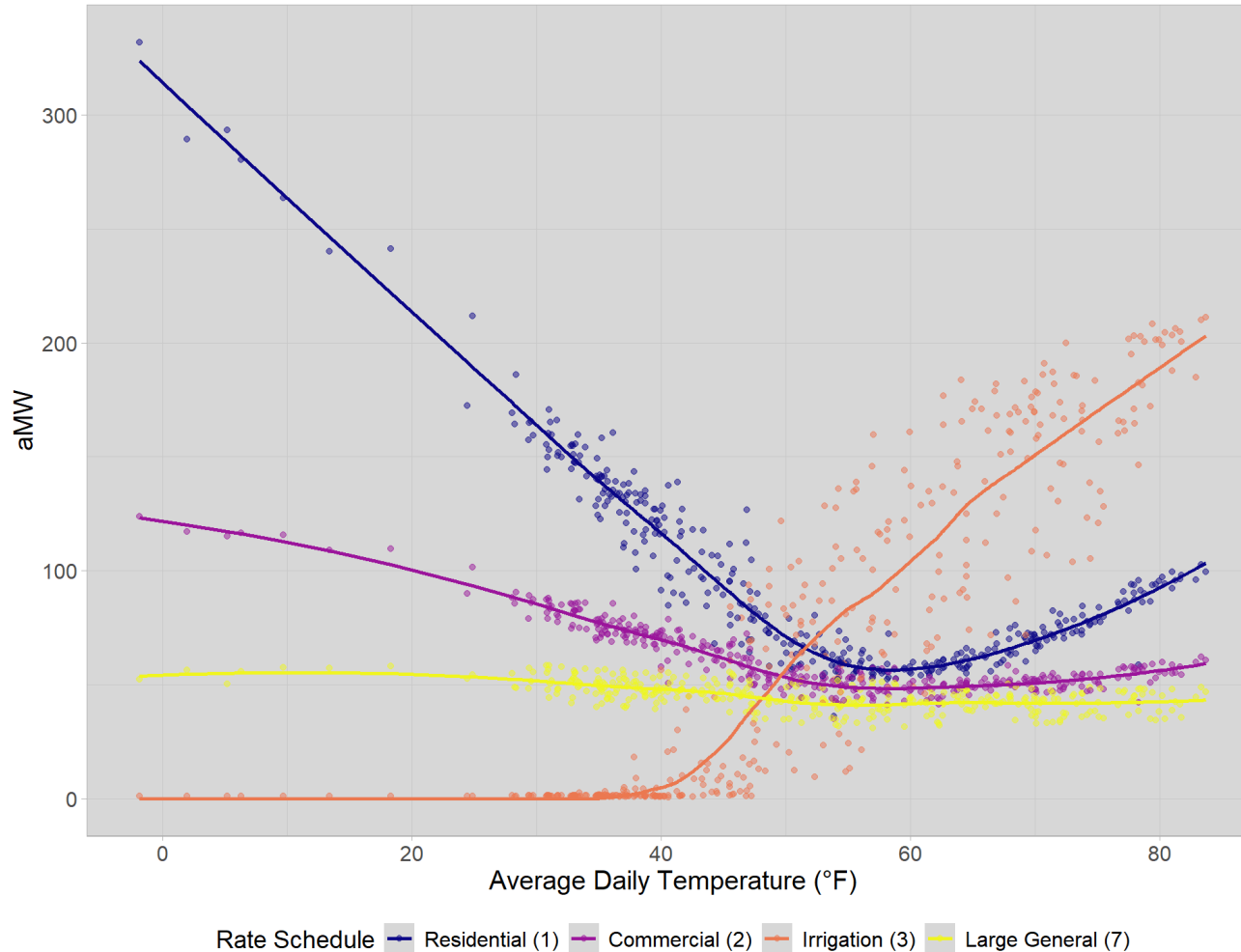
Source: weather.wsu.edu

- Gap between normalized and actual daily values is larger for HDD than CDD.
- -5.9% less HDD than normal.
- No CDD in Q4.



# Load Sensitivity to Temperature

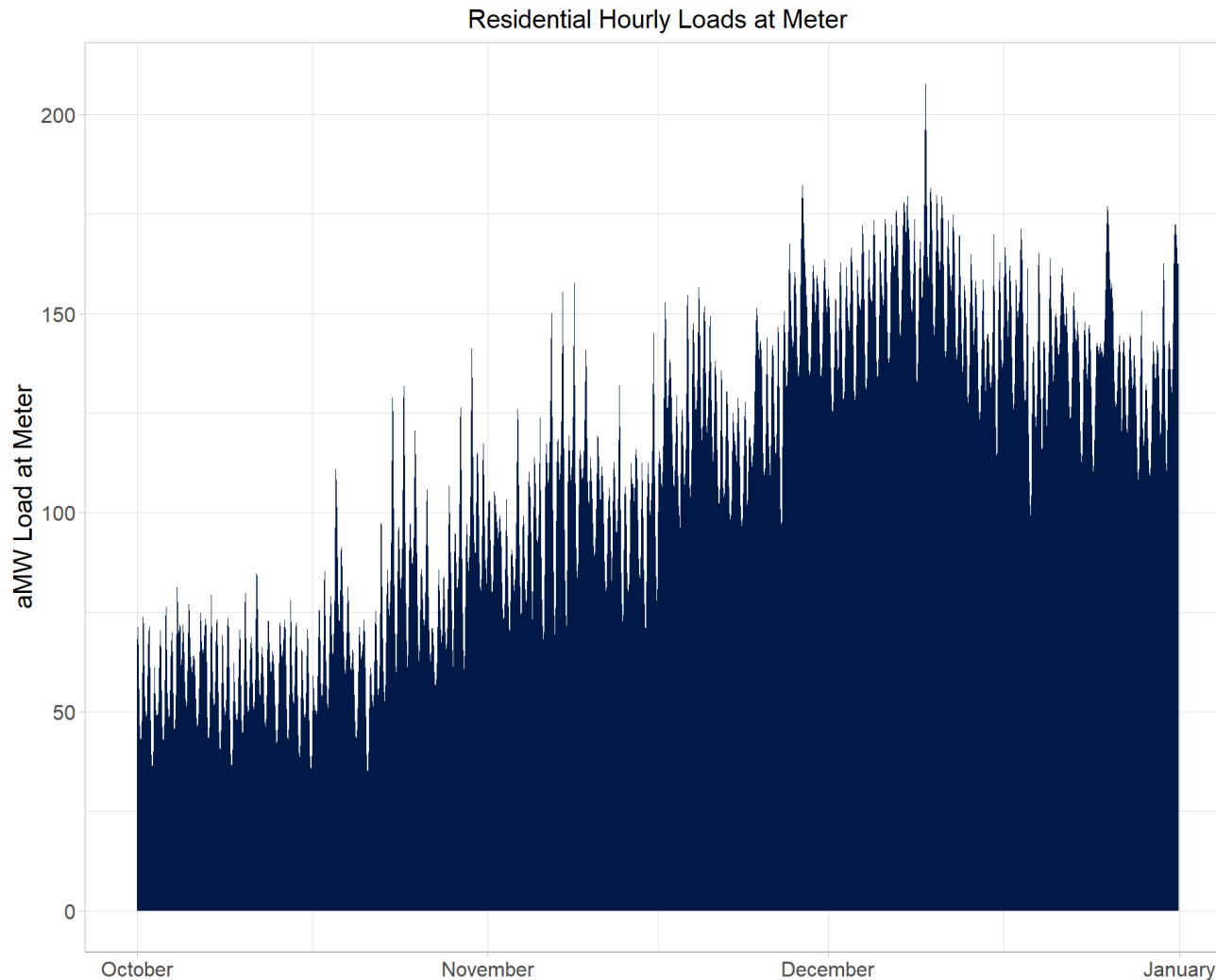
Grant PUD Core Customer Daily Loads & Temperature: 2024 YTD



- Residential & commercial demand is minimized around 60°F.
- Irrigation demand picks up at 40°F.
  - Rather than Heating & Cooling Degree days to model irrigation demand, Growing Degree Days are used with a base of 40°F.

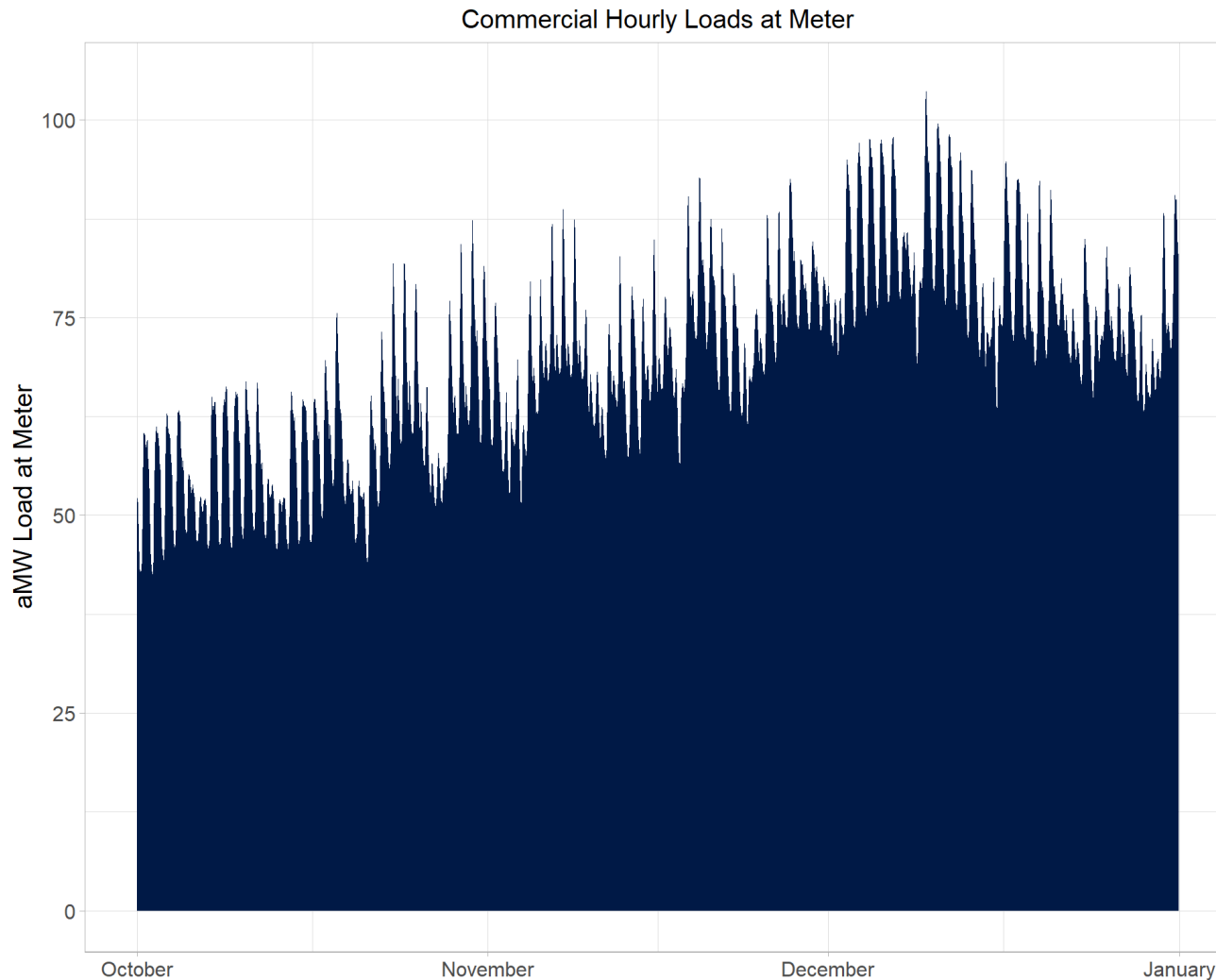
# aMW Sales Detail

# Residential: Rate Schedule 1



- 1.7% customer growth year-over-year.
- 42,370 customers in 2024 Q4, compared to 41,680 a year ago.
- 2024 Q4 aMW: 109.9

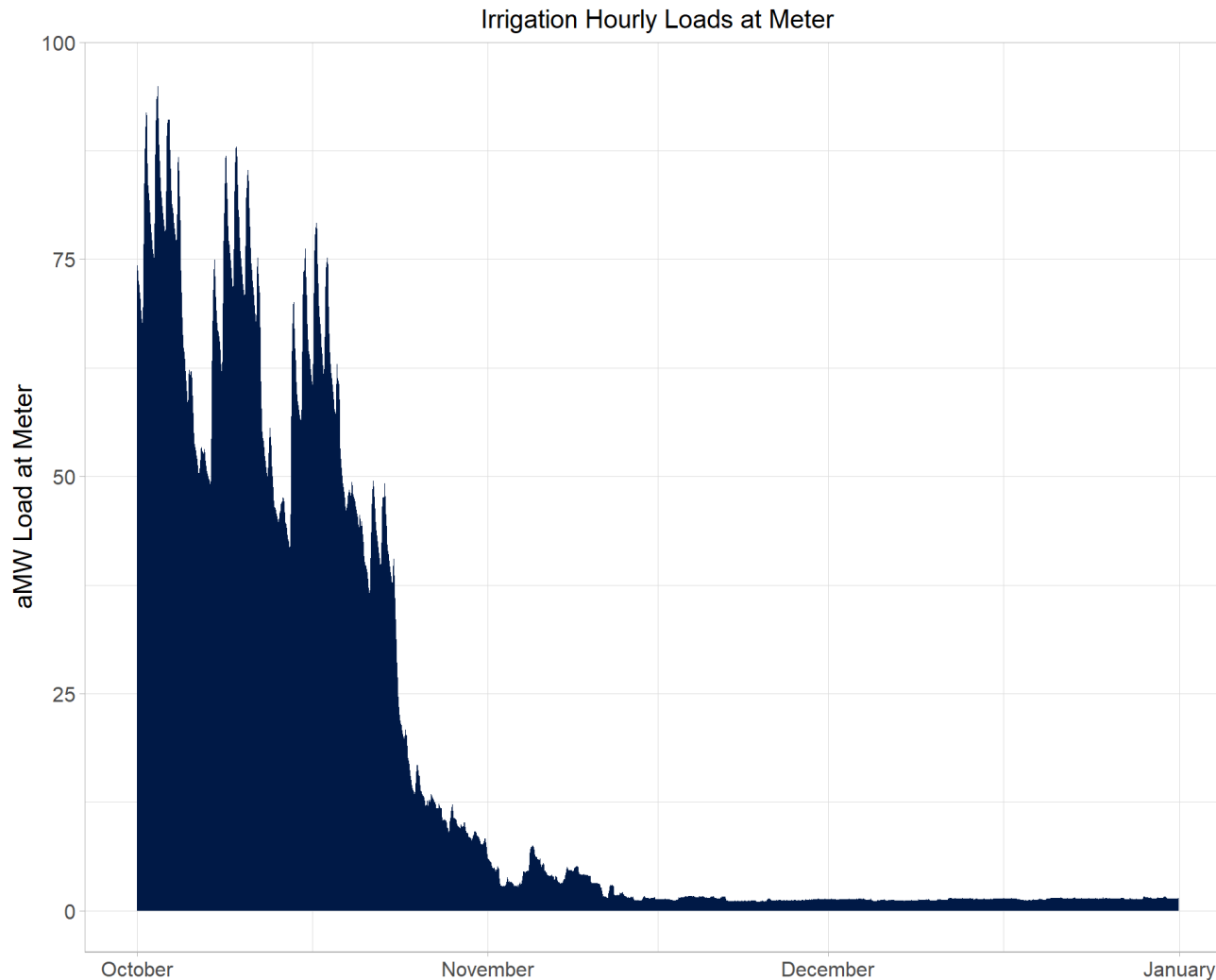
# Commercial: Rate Schedule 2



- 2.1% customer growth year-over-year.
- 8,205 customers in 2024 Q4, compared to 8,040 a year ago.
- 2024 Q4 aMW: 69.5



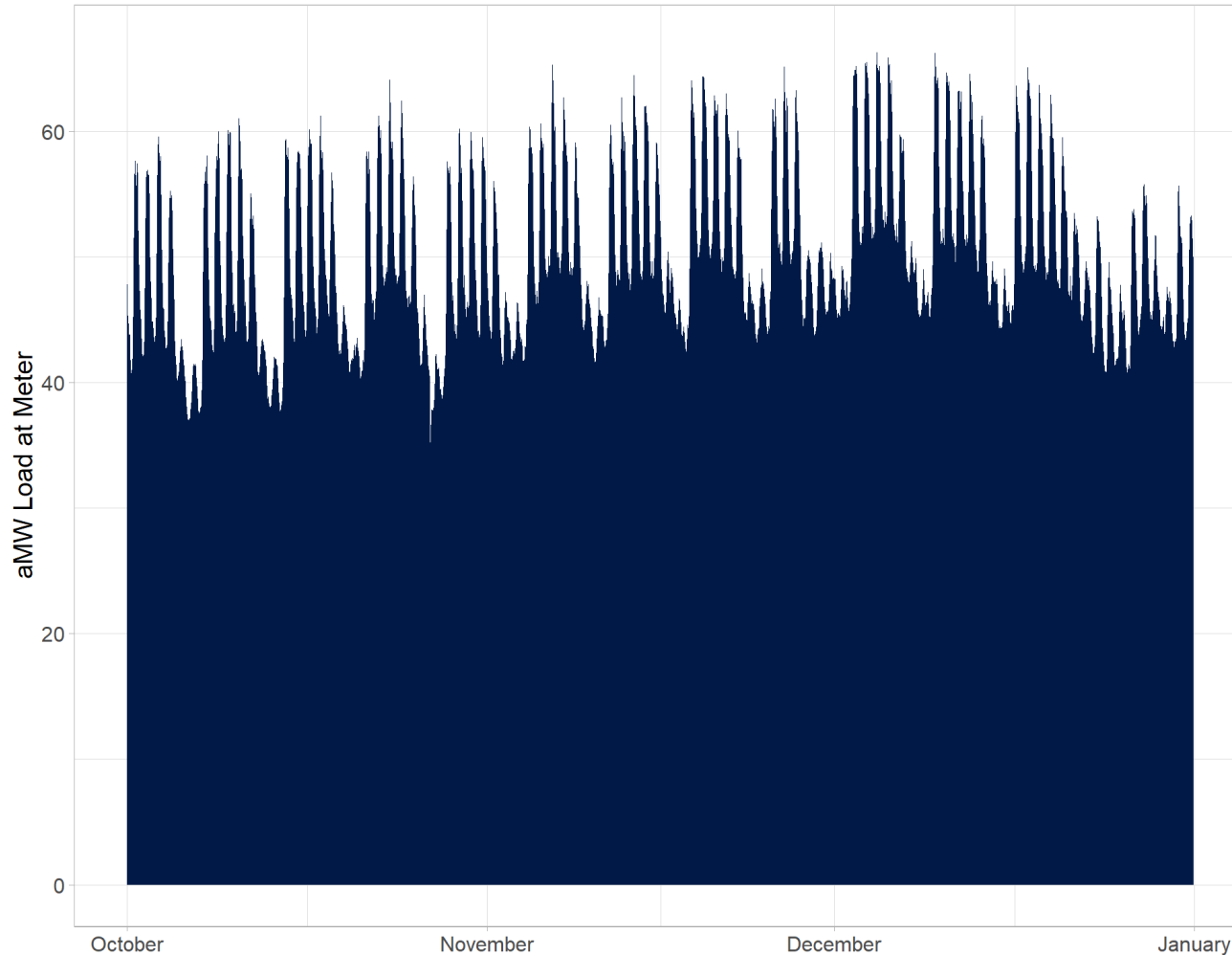
# Irrigation: Rate Schedule 3



- 0.4% customer growth year-over-year.
- 4,962 customers in 2024 Q4, compared to 4,941 a year ago.
- 2024 Q4 aMW: 18.2

# Large General: Rate Schedule 7

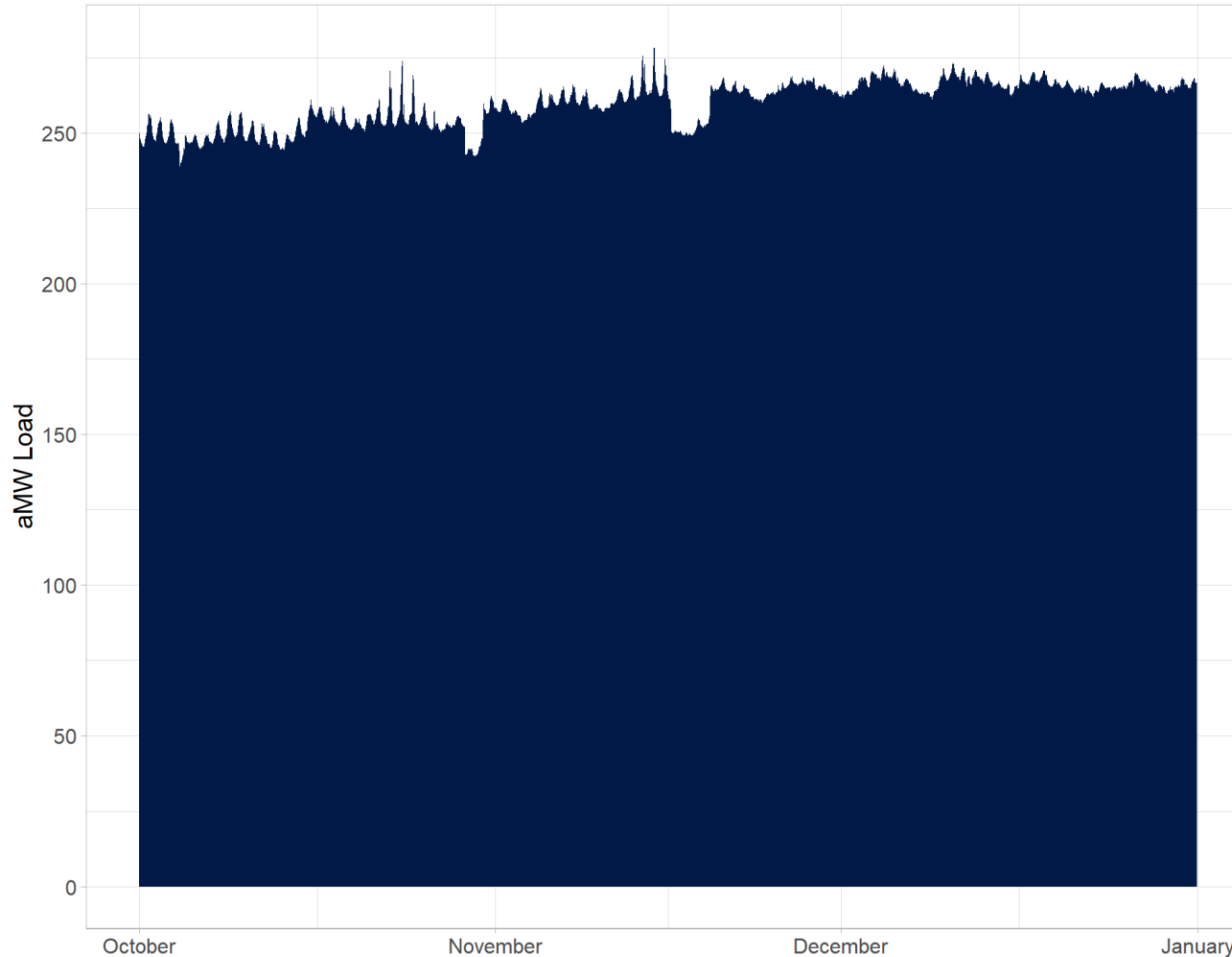
Large Commercial Hourly Loads at Meter



- 5.5% customer growth year-over-year.
- 174 customers in 2024 Q4, compared to 165 a year ago.
- 2024 Q4 aMW: 50.1

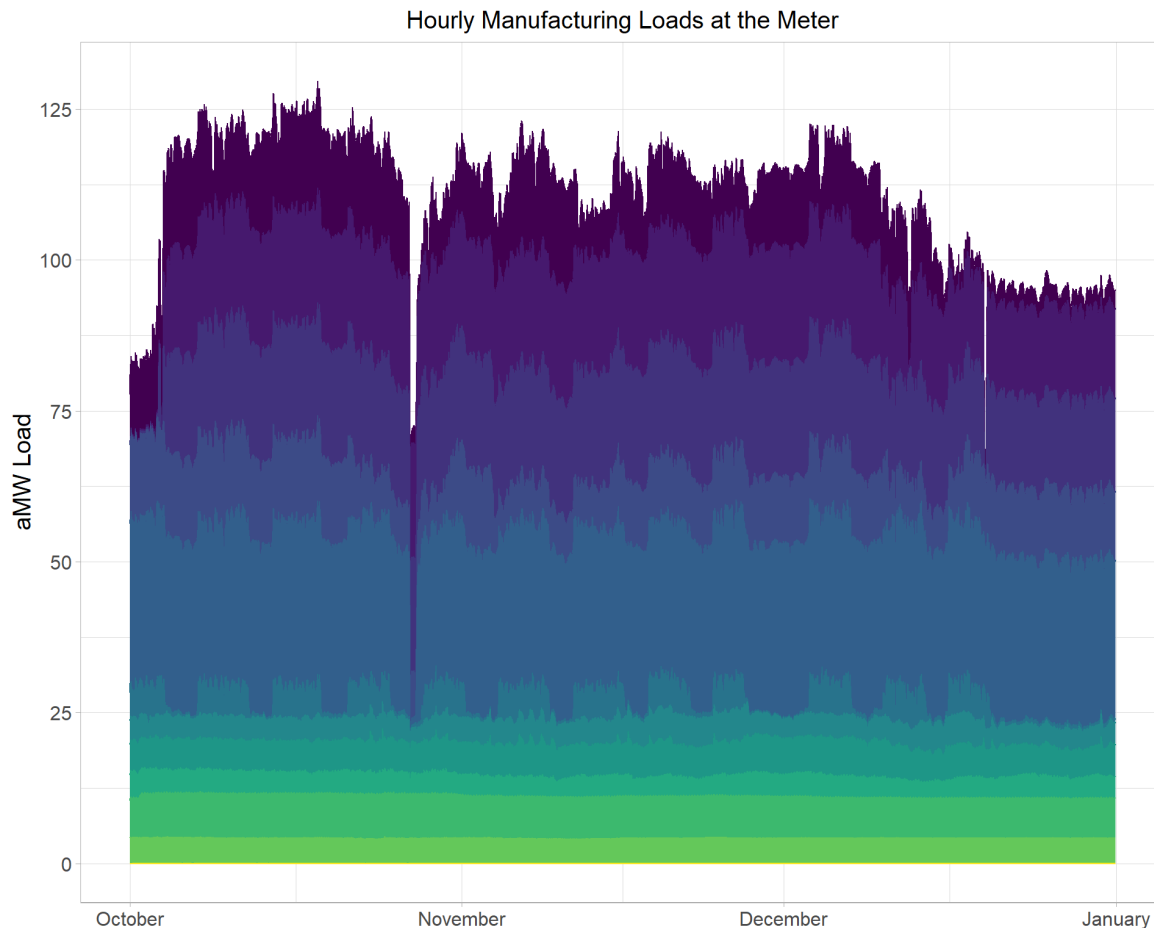
# Industrial: Data Centers

Aggregate Hourly Data Center Loads at the Meter



- 6 customers
- Data centers were -21.2 aMW (8%) below forecast.
- 4 customers were above forecast, the rest were below.
- 0 were within 10% of their forecast.
- One data center missed its expectation by 41.24 aMW.

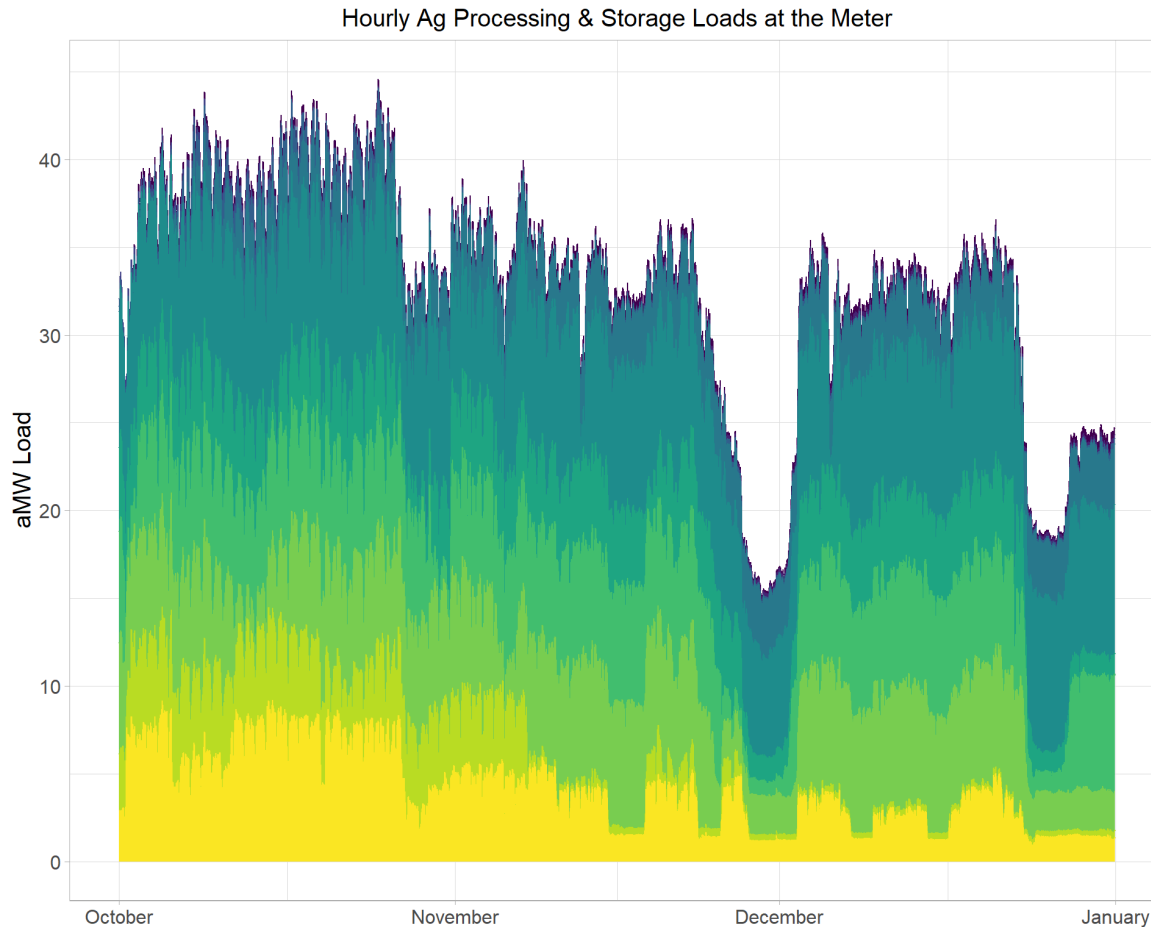
# Industrial: Manufacturing



- This group represents 12 customers involved with differing manufacturing processes.
- Manufacturing loads were 107.8 aMW (49.4%) below forecast.
- One customer has not ramped up as quickly as anticipated and accounts for 84.5% of the difference.

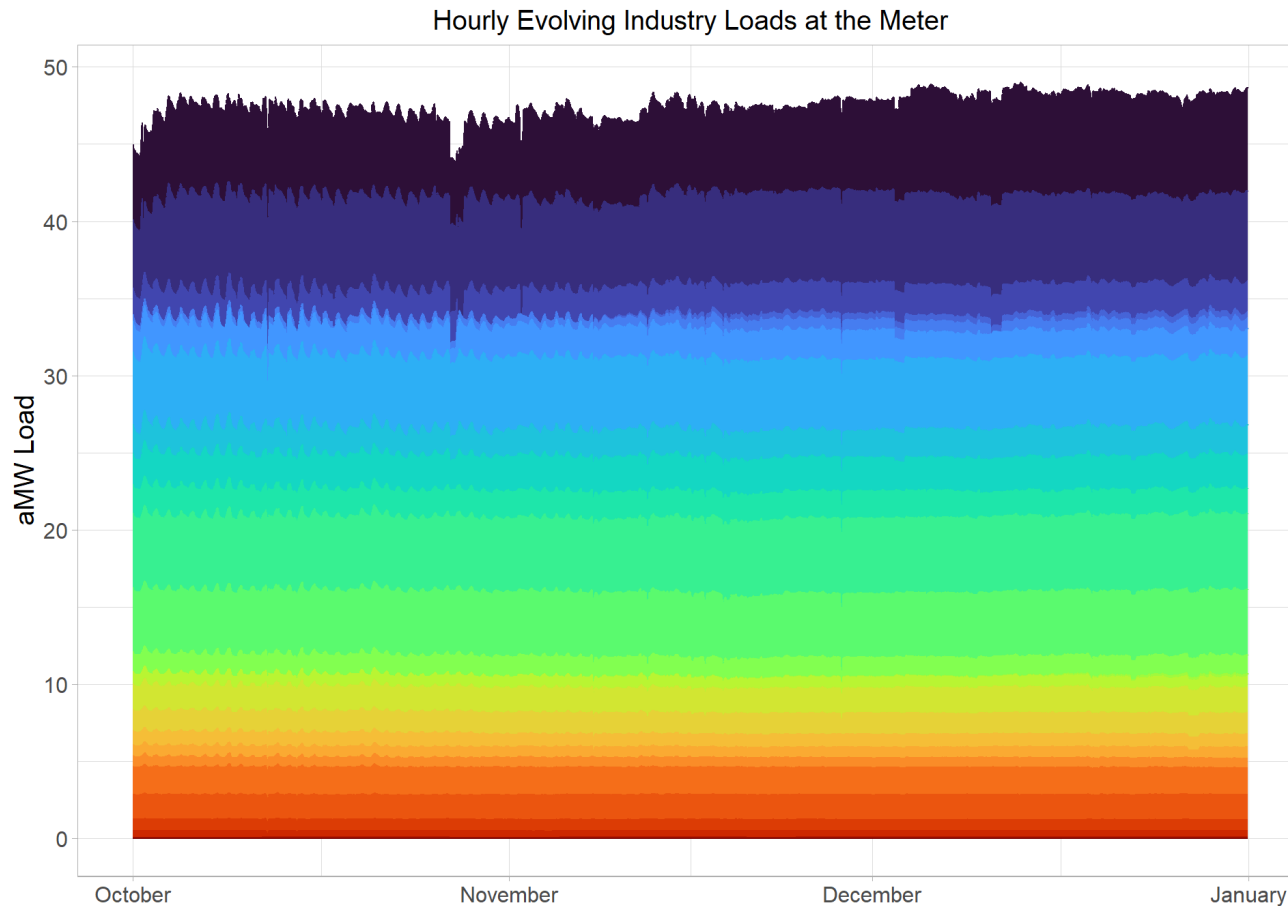


# Industrial: Ag Food Processing



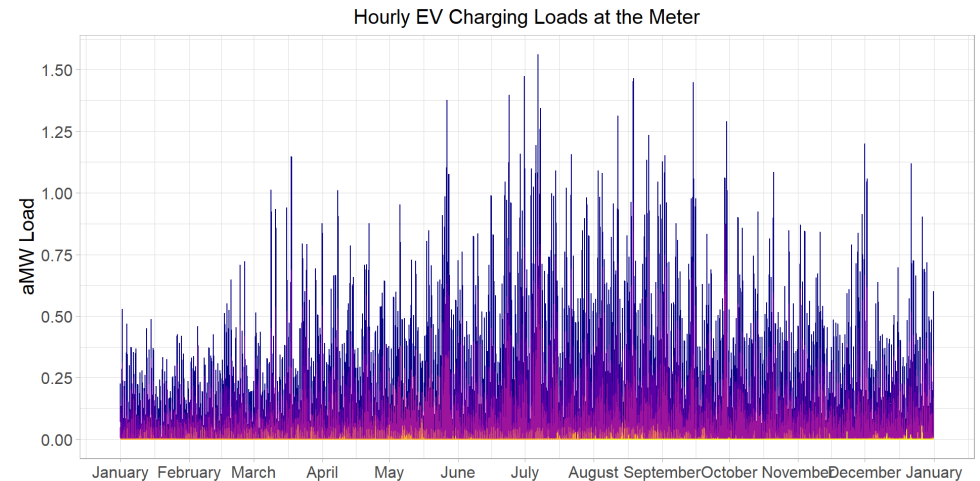
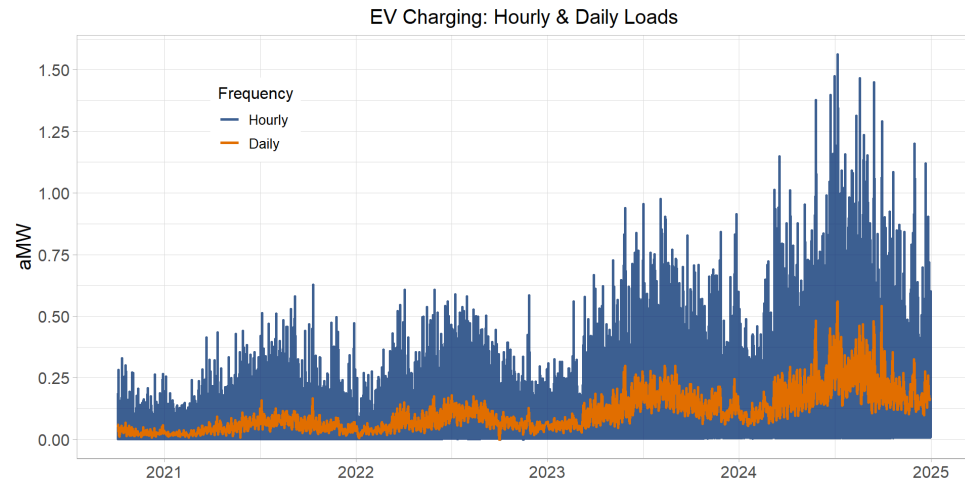
- 7 customers.
- Ag Food Processing & Storage loads were 7.9 aMW (19.4%) below forecast.
- 2 customer missed expectations by 1 aMW or more, and the largest miss was 5.6 aMW below expectations.

# Cryptocurrency: Rate Schedule 17



- 18 customers
- Actual aMW was 45.7, and the forecast amount was 41.3 aMW.
  - That is 10.8% above forecast.

# EV Fast Charging: Rate Schedule 19



- 6 hour-long periods surpassed 1 aMW in 2024 Q4.
- 2023 Q4 had 0 comparable hour-periods.
- Annual comparison: The most recent 4 quarters had a total of 71 hour-long periods surpassing 1 aMW, compared to 0 in the 4 previous quarters.
- EV sales were 108% above forecast.

# Key Takeaways

- Total system billed loads were 55.8 aMW (8%) below forecast.
- Large Industrial (15) accounts for the largest share of the forecast error at 41.6 aMW.
- 5.87% fewer degree days than a typical Q4.
- Maximum hourly aMW for EV Charging in 2024 was 60% higher than in 2023.



QUARTERLY BUSINESS REVIEW

# Chief Commercial Officer Org

February 2025



Powering our way of life.

# Team Updates



**Paul Dietz**

*Sr. Manager, ESM Forecasting & Market Analytics*



**Rich Flanigan**

*Sr. Manager, ESM Trading & Commercial Operations*



**Andrew Munro**

*Sr. Manager, ESM Industry & Market Research*



**Craig Kunz**

*Sr. Manager, ESM Net Power Reporting & Metrics*



**Susan Manville**

*Director, Transmission Strategy & Development*

# 2024 Recap

## Annual Goals

## Outcomes

Net Power Reporting (Org Obj)

- Monthly Net Power Reporting capability stood-up

Enhanced Load Forecast (Org Obj)

- Finalized Hourly Medium-term and Long-term Forecasts as planned
- New Load Forecast Policy implemented and rolled out to district employees

Enhanced Integrated Resource Plan (Org Obj)

- Reliability enhancements implemented in 2024 IRP
- Approach defined for integrating transmission topology into 2026 cycle

Rate Design Strategy (Org Obj)

- Developed a methodology for consistent communication of *power cost*, *power cost* allocation for core and non-Core customers, and guidance for use of the wholesale benefit.
- Detailed rate design of the *power cost* components is an active 2025 work effort with Rates and Pricing.

Data Management

- Data management and governance roadmap developed
- Business Data Technology project initiated

Value Stream Roadmaps

- Multi-year maturity roadmaps defined for each ESM business unit

Business Intelligence Reporting

- Defined key enterprise-wide reporting use cases
- Delivered high priority reporting packages, including publishing to ESM SharePoint site

ESM Business Processes

- Developed flows, detailed descriptions, and roll-out plans for high priority processes

# 2024 Recap

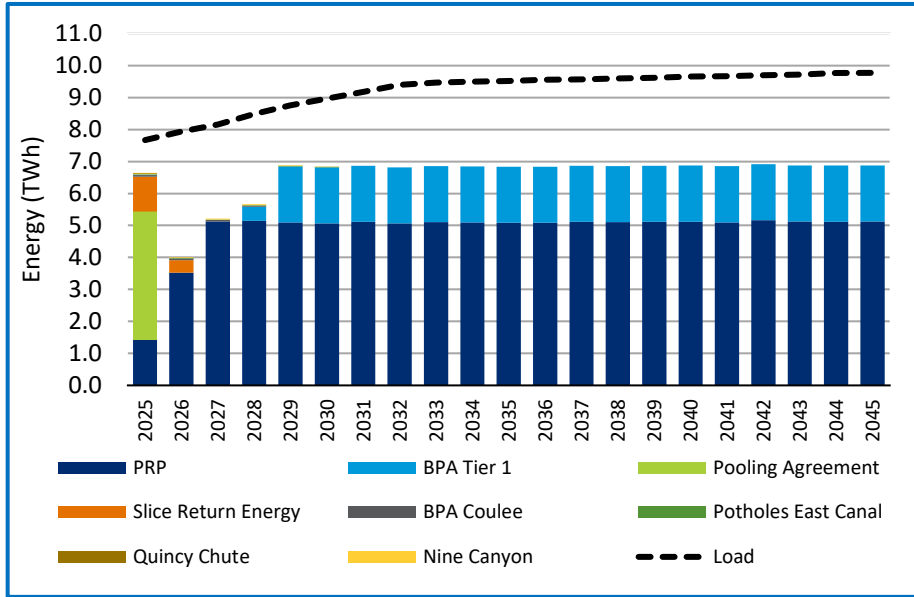
## Key Metrics

- In 2024, efforts centered on defining ESM metrics and establishing baselines wherever feasible.
- A comprehensive set of 18 metrics/KPIs has been identified, with tracking slated to begin in 2025.
- The most critical KPI for ESM is focused on Resource Plan Execution, ensuring the district is progressing toward resource acquisition targets.

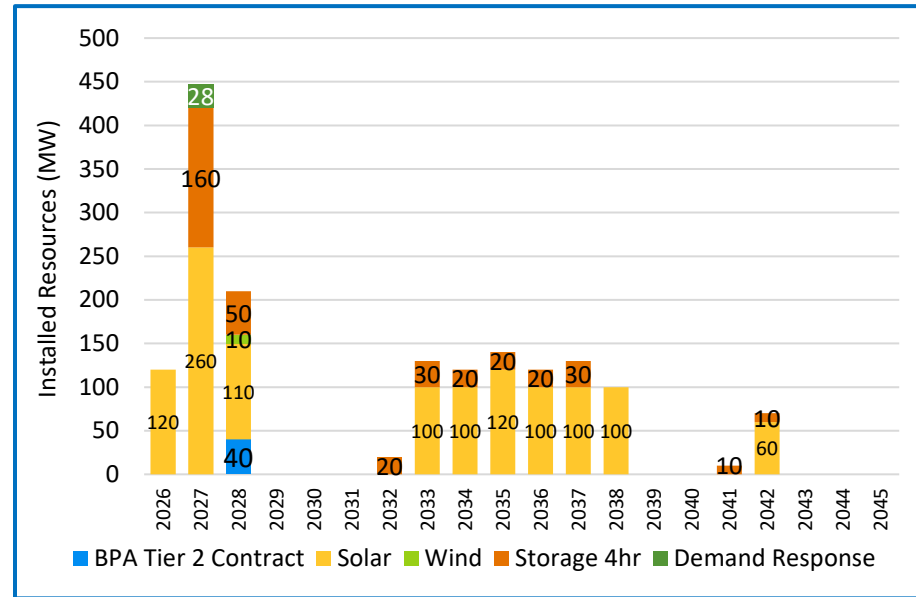
Business unit	# of Metrics/ KPIs
ESM-wide	1
Business Intelligence and Market Analytics	5
Net Power Reporting & Metrics	2
Trading and Commercial Operations	7
Industry and Market Research	2
Transmission Strategy and Development	1

# 2024 Recap

## Demand & Current/Expected Resources



## IRP Preferred Portfolio





# 2025 Outlook

## Near-Term Plans

- Launch and integrate the Transmission Strategy & Development function within the organization, including hiring key leadership roles, establishing foundational department capabilities, and developing maturity roadmaps.
- Execute contracts for energy and capacity to advance Integrated Resource Plan (IRP) targets, finalize agreements for new pooling and service arrangements, and implement their provisions.
- Enhance load and market forecasting capabilities, including expansion to region and accounting for unbilled energy, commodity, carbon allowance, and key indices used in contracts and valuations
- Introduce and improve automation, presentation quality, and variance explanations in the monthly Net Power Report for greater clarity and actionable insights.
- Implement the Open Access Transmission Tariff (OATT), a critical milestone enabling broader market access and unlocking new revenue opportunities.
- Conduct feasibility studies on integrating a Battery Energy Storage System (BESS) at our hydro plants and identifying 2-3 best options for a potential gas-fired turbine plant in the region, as well as continue SMR discovery work.
- BPA Post-2028 Federal Power (In 2024, BPA Provider of Choice Final Policy and ROD allocated 207 aMW of Tier 1 power).

# Long-Term Strategy

- Continue advancing the maturity of the 2024 capabilities (execute on the value-stream roadmaps), and position ESM and TSD orgs to address the evolving challenges of the energy industry and regional priorities.
- Pursue the acquisition of new energy resources (renewables and dispatchable resources for integration and reliability) in a cost-effective manner accelerating procurement ahead of CETA's clean energy target dates when advantageous.
- Invest in the transmission system to capitalize on the benefits of regional coordination, including participation in WRAP and organized markets.
- Transform data management and governance architecture and practices to enable real-time, high-precision insights and ensure broad availability of critical information for all stakeholders.

# Commission Support: Key Asks

- Two-way path for information to flow and avoid surprises. What can we do to keep the commission in the loop?
- 2025 commercial engagements include:
  - (i) New Pooling/Service agreement,
  - (ii) Quincy Solar PPA,
  - (iii) Royal Slope Solar PPA,
  - (iv) CBH-PEC buy-out,
  - (v) BPA PoC, and
  - (vi) 2025 Annual Auction.
  - This is a significant amount of work and information that needs to flow to the Commission.
- **March/April 2025:** ESM Research will seek approval for Awarding Engineering Services Contracts to support our exploration of new energy-supply technologies.

# Questions?



Powering our way of life.

# Thank you!



Powering our way of life.



<b>Department Name:</b>	<b>Key Presenters:</b>	<b>Date:</b>
Chief Commercial Officer Org	John Mertlich	2/11/2025

Presenters, please fill out the following information and provide it to Commissioners as a supplement to your presentation.

## LAST QUARTER RECAP

<b>Quarterly Goals</b>	Recap for all of 2024 – Completed 4 Organizational Objectives: (1) Net Power Reporting, (2) Enhanced Load Forecasting, (3) Enhanced Integrated Resource Planning, and (4) Rate Design Strategy
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## NEAR-TERM PLANS (NEXT QUARTER)

<b>Project Updates</b>	<ul style="list-style-type: none"> <li>• Execute SPP’s Markets+ Phase II Funding Agreement</li> <li>• Begin Technical Engineering studies for BESS, Turbine Gen, and SMR</li> <li>• Execute on hiring plan for TS&amp;D</li> <li>• Execute on 1 to 2 PPAs for renewable energy</li> </ul>
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## LONGER-TERM STRATEGY

<b>Roadmap</b>	Business Capability – Continue maturing capabilities and execute the Value-Stream roadmaps. Navigate the 3 Forces of <i>Accelerated Load Growth</i> , <i>Carbon Goals</i> , and <i>Reliability</i> with: (i) Regional Coordination, (ii) New Resources & Technologies, (iii) Business Focus, (iv) Transmission, (v) Large Load Partnerships
<b>Strategy</b>	<ul style="list-style-type: none"> <li>• Continue participation in Markets+ and WRAP</li> <li>• Continue Technology Research work</li> <li>• Looking for the next RFP period and the need for dispatchable capacity</li> <li>• Standing up the TS&amp;D business and working towards long-term transmission planning (2027)</li> <li>• Finalize the detailed decoupled power cost work – support both large customer contract pricing and industrial tariff rates</li> </ul> <p>Taken altogether, this will optimize the cost structure for our customers and defines Grant PUD’s <i>Intentional Power Demand Strategy</i></p>

## COMMISSION SUPPORT: KEY ASKS

<b>Specific Requests</b>	<ul style="list-style-type: none"> <li>• Upcoming contracts &amp; Agreements             <ul style="list-style-type: none"> <li>- 2025-Q1: Markets+ Phase II Funding, CBH-PEC buy-out agreement, Engineering Services</li> <li>- 2025-Q2: Quincy Solar PPA, 2025 Annual Auction</li> <li>- 2025-H2: New Pooling/Services, BPA PoC, Royal Slope Solar PPA, WRAP RFP</li> </ul> </li> </ul>
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