

**AGENDA**

**Tuesday, November 19, 2024**

**12:00 p.m. – 2:00 p.m.**

[Click here to join the meeting](#)

<p><b>12:00 p.m.</b></p>	<p><b>Call to Order</b></p> <p>Statement: Pursuant to the Colorado Open Meetings Law and the City Charter, since three or more members of the Utilities Board may be attending this public meeting it is noticed and open to the public. As this is a Committee of the Utilities Board, public comment will not be a part of this meeting.</p>	<p>Committee Chair Michelle Talarico</p>
<p><b>12:05 p.m.</b></p>	<p><b>Approve minutes from May 21, 2024, and Aug. 20, 2024, meetings</b></p>	<p>Committee</p>
<p><b>12:10 p.m.</b></p>	<p><b>Fiber Network Project Update</b></p>	<p>Thane LaBarre, Fiber Optics and Telecommunications Manager</p>
<p><b>12:25 p.m.</b></p>	<p><b>Eastern Wastewater Expansion Project Update</b></p>	<p>Tara McGowan, Engineering Manager</p>
<p><b>12:40 p.m.</b></p>	<p><b>Committee Purpose Discussion and 2025 Work Plan</b></p>	<p>Bethany Schoemer, Strategic Planning and Governance Specialist Senior</p>
<p><b>1:05 p.m.</b></p>	<p><b>2024 Q3 Project Dashboard Review (by exception)</b></p>	<p>Steve Duling, Project Management Manager</p>
<p><b>1:30 p.m.</b></p>	<p><b>Closing Remarks and Adjournment</b></p>	<p>Committee Chair Michelle Talarico</p>

**Next Meeting:** February 18, 2025



**Minutes**  
**Program Management Review (PMR) Committee**  
**Colorado Springs Utilities Board**  
**Rosemont Conference Room/Microsoft Teams**  
**Thursday, May 21, 2024**

**Committee members present via web conference or in the Rosemont Conference Room:**  
Committee Chair Michelle Talarico, Dave Donelson, Randy Helms, and David Leinweber

**Board members present via web conference or in the Rosemont Conference Room:**  
Nancy Henjum

**Staff members present via web conference or in the Rosemont Conference Room:**  
Travas Deal, Mike Francolino, Tristan Gearhart, Jay Anderson, Joe Awad, Pattie Benger, Kevin Binkley, Andy Colosimo, Jeff Courtright, Jessica Davis, Steve Duling, Marcela Espinoza, Chris LeLeux, Natalie Lovell, Lindsey Martin, Tara McGowan, Jason Miller, Rich Norton, Dave Padgett, Nick Peters, Jessica Ramirez, Jason Rigler, David Ruddy, Gina Smith, Debbie Snyder, Dave Thompson, Shawn Timothy, Natalie Watts, Al Wells and Gail Pecoraro

**City of Colorado Springs staff members present via web conference or in the Rosemont Conference Room:** Renee Congdon, Gregory Anderson, David Beckett, Jennifer Carpenter, Linda Helsley and Rhea Hendrixson

**Citizens present:** None

**1. Call to Order and Review Minutes**

The meeting started at 2:30 p.m. and Chair Michelle Talarico read a statement regarding the Colorado Open Meetings Law and City Charter and stated that public comment would not be a part of the meeting. Ms. Talarico thanked the Board Members and staff that participated in the Tollefson Water Treatment Plant tour earlier in the day.

The minutes from the February 15, 2024, Program Management Review Committee meeting were accepted for posting.

**2. Gas Distribution Integrity Management Program (DIMP) Update**

Mr. Nick Peters, Operations Technical Services General Manager, gave an update on the Gas Distribution Integrity Management Program (DIMP).

There are seven key elements of DIMP, required under the Code of Federal Regulations. These include: 1) Know Your System, 2) Identify Threats, 3) Evaluate and Rank Risk, 4) Identify and Implement Measures to Reduce Risk, 5) Measure Performance, Monitor Results, and Evaluate Effectiveness, 6) Periodic Evaluation and Improvement, and 7) Report Results.

An overview of the 2024 DIMP metrics schedule (including Q1 planned and actual progress) and 2023 DIMP budget was provided.

Currently, there are no areas of concern.

### **3. Enterprise Resource Planning**

Mr. Mike Francolino, Chief Customer and Enterprise Services Officer, introduced Mr. Chris LeLeux, the new General Manager of Information Technology.

Ms. Lindsay Martin, Information Technology/Operational Technology Project Manager, reviewed the Enterprise Resource Plan/Infor Project. This will be implemented in three phases. The first phase is set to go live in July. The new software will replace the existing financial and Human Resources data and functionality, migrating it to the cloud. The existing software was no longer being supported.

Project accomplishments were highlighted. The budget overview was discussed. Next steps were explained, beginning with phase one, which is expected to be completed in mid-September 2024. Phase two kicks off in September 2024 and phase three begins in March 2025.

### **4. 2024 Q1 Project Dashboard Review**

Mr. Steve Duling, Manager of Project Management, highlighted aspects of the dashboard, including energy projects, fiber, gas projects, water service projects for pumping stations, portable water tanks and the Clear Springs Ranch biogas project.

Ms. Gina Smith, Advanced Utilities Manager, gave an update on Advanced Metering Infrastructure (AMI) meter installations and estimated completion dates. Installations are averaging 1,400 per day.

### **5. Supply Chain Outlook**

Mr. Rich Norton, Supply Chain General Manager, reviewed the global factors that are currently impacting the supply chain, including geopolitical tensions.

Lead times on core materials are still a concern. While some lead times have shortened since January 2022, others remain extremely high – phase 3 transformers are at 120 weeks' lead time and gas steel pipe is at 43 to 46 weeks. These delays are impacting our construction timelines.

The supply chain outlook has impacts on our project management budgets, schedules, and mitigation strategies.

### **6. Closing Remarks and Adjournment**

There were no closing remarks. The meeting adjourned at 4:01 p.m. The next meeting is Aug. 20, 2024.



**Minutes**  
**Program Management Review (PMR) Committee**  
**Colorado Springs Utilities Board**  
**Rosemont Conference Room/Microsoft Teams**  
**Tuesday, August 20, 2024**

**Committee members present via web conference or in the Rosemont Conference Room:**  
Dave Donelson and Randy Helms

**Board members present via web conference of in the Rosemont Conference Room:**  
None

**Staff members present via web conference or in the Rosemont Conference Room:**  
Travas Deal, Renee Adams, Mike Francolino, Tristan Gearhart, Somer Mese, Jay Anderson, Joe Awad, Kevin Binkley, Jessica Davis, Steve Duling, Marcela Espinoza, JerriAnn LaLond, Amy Lewis, Natalie Lovell, Jason Miller, Nick Miller, Dan Norton, Dave Padgett, Gail Pecoraro, Nick Peters, Bethany Schoemer, Gina Smith, Shawn Timothy, Amy Trinidad, Natalie Watts and Al Wells

**City of Colorado Springs staff members present via web conference or in the Rosemont Conference Room:**  
David Beckett, Rhea Hendrixson and Timothy Scheiderer

**Citizens present:** None

**1. Call to Order and Review Minutes**

Committee Member Helms called the meeting to order at 2:31 p.m. and read a statement regarding the Colorado Open Meetings Law and City Charter and stated that public comment would not be a part of this meeting.

Due to the number of Board Members in attendance, the minutes from the May 21, 2024 Program Management Review Committee meeting were not accepted for posting. This will be done at the Nov. 19, 2024 meeting.

**2. Gas Distribution Integrity Management Program (DIMP) Update**

Due to the abbreviated meeting, no DIMP updates were presented. This information was included in the meeting packet. Mr. Nick Peters, Operations Technical Services General Manager, introduced Mr. Nick Miller, the new Systems Monitoring and Diagnostics and Control Manager.

**3. Sustainable Energy Plan Update**

Mr. Joe Awad, General Manager of Planning and Engineering, introduced Ms. Jessie Marshall, Project Manager IV. Ms. Marshall is the Project Manager for the Sustainable Energy Plan (SEP). Ms. Marshall explained the key elements of the Integrated Resource Plan (IRP) as:

- Achieving 80% carbon reduction by 2030
- Decommissioning Drake no later than 2023 and Nixon 1 no later than 2030

- Acquiring new energy resources while maintaining reliability and cost effectiveness for gas and electric service

To maintain reliability, six transmission substations are being added or upgraded; three transmission lines are being added or upgraded; gas supply upgrades are in progress; as well as Drake’s demolition.

Mr. Helms asked if Springs Utilities will purchase the energy, or if they will own the equipment that generates the energy. Ms. Marshall stated the organization will purchase power generated by others.

#### Budget

The total capital budget for the Sustainable Energy Plan is \$574 million. This number will increase significantly with power purchase agreements (PPA) and request for proposals .

#### Risks

Risks include long lead times and availability of equipment and materials and labor resources; financial costs, rates, and easement acquisition; regulatory and legislative drivers (permits and political); system outage coordination; and gas supply.

#### Safety

There have been two utility strikes without injuries and two motor vehicle/equipment accidents causing minor damage to contractor trucks without injuries.

#### Next Steps

Next steps include:

- New energy resources acquisition – complete evaluations and negotiations on RFPs
- Energy projects
  - Continue design, construction, and testing of substations
  - Obtain easements and permits for new transmission lines
  - Complete design of gas upgrades
  - Complete Drake demolition

#### **4. 2024 Q1 Project Dashboard Review**

Mr. Steve Duling, Manager of Project Management, highlighted aspects of the dashboard, including energy projects, fiber, gas projects, water service projects for pumping stations, and a portable water tanks project.

Ms. Gina Smith, Advanced Utilities Manager, reported that the Advanced Metering Project is in the “burn down” phase. The project is at 79% completed. The contractor has extended their hours and brought in additional workers to accomplish this on time.

#### **5. Supply Chain Outlook**

No formal supply chain outlook presentation was made. This information was included in the meeting packet.

#### **6. Utilities Policy Advisory Committee (UPAC) Assignment Brainstorming**

Brainstorming was deferred until the November meeting.

**7. Closing Remarks and Adjournment**

There were no closing remarks. The meeting adjourned at 3:22 p.m. The next meeting is Nov. 19, 2024.



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# Fiber Network Expansion

**Thane LaBarre, Manager**  
**Jason Miller, Project Supervisor**  
**November 19, 2024**

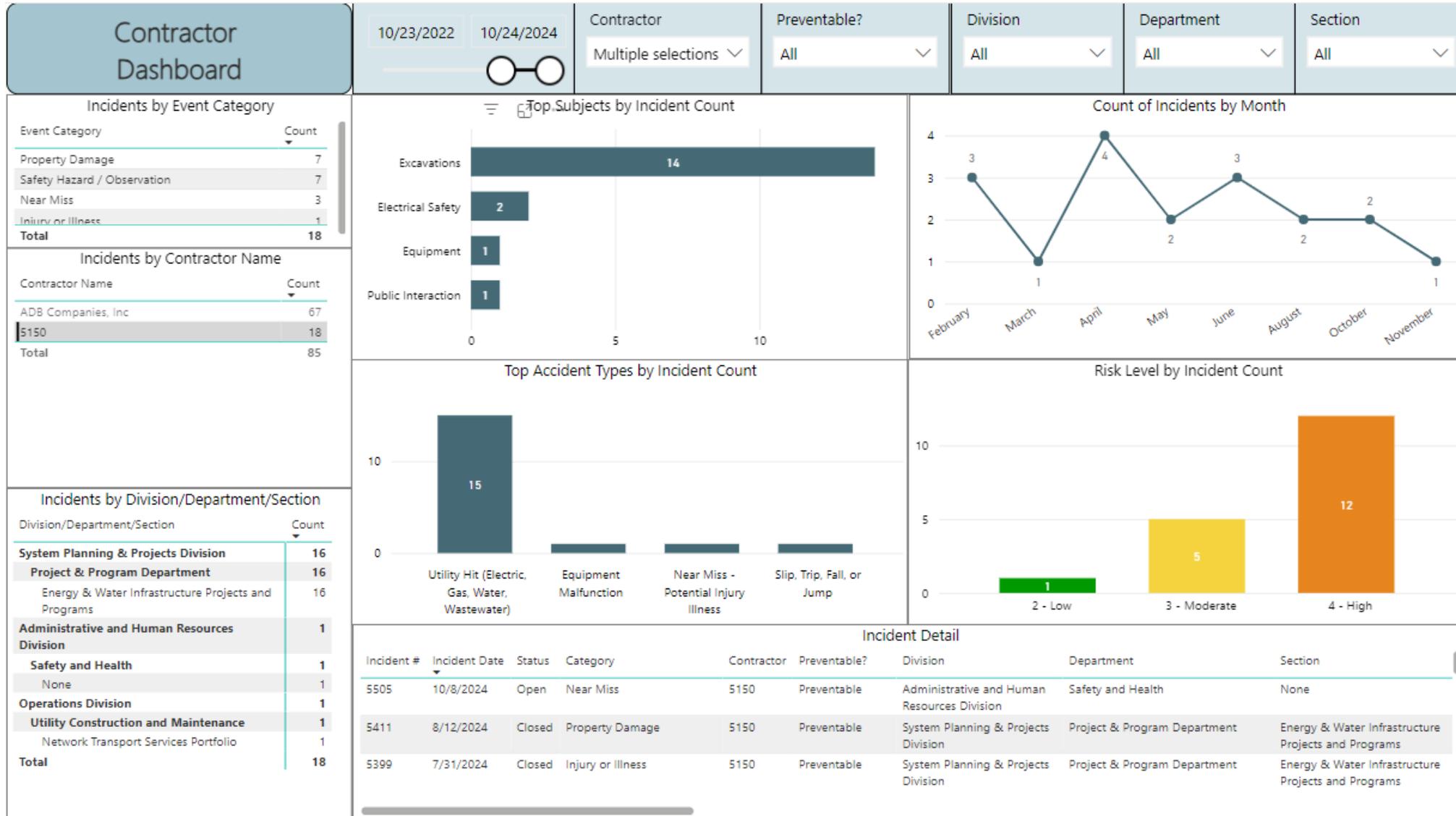
# Safety

Fiber Network Expansion

# 2023/2024 Challenges



# Safety Overview



# Restoration Status

05/31/24-09/30/24

- Make-safe activities
  - Pothole restoration
  - Softscape restoration
    - Over 3800 issues Completed
- Previously reported restoration needs
  - 273 Complaints Completed
- Issues identified within Customer Intake Form
  - 665 complaints Completed
- City Right-of-Way permit Closeout
  - Total opened permits 630
  - Total remaining 294
    - 55% Complete



# New Project Plan / Schedule

Fiber Network Expansion

# Network Installation Plan

## Three New Contractors

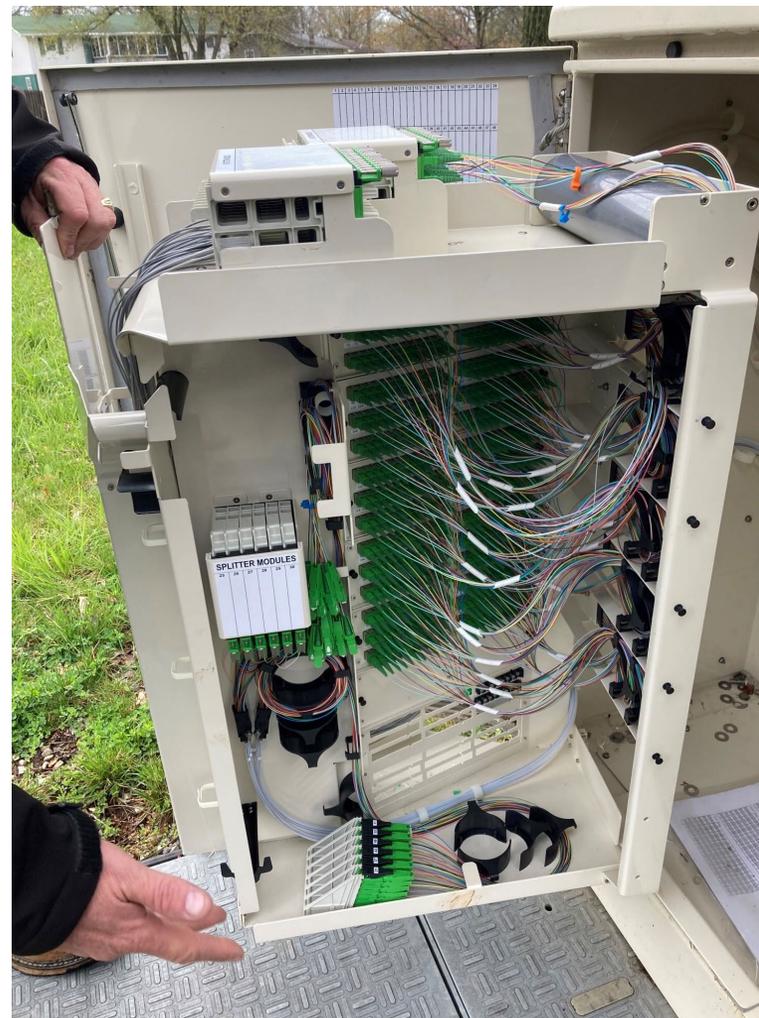
- 5150 Holdings, LLC
  - FHR\_3 - Start Date: 09/24/2024
- B-Jackson
  - FHR\_2 - Start Date: 11/12/2024
- Massada
  - FHR\_4 - Start Date: 12/01/2024



# Network Section Build Schedule

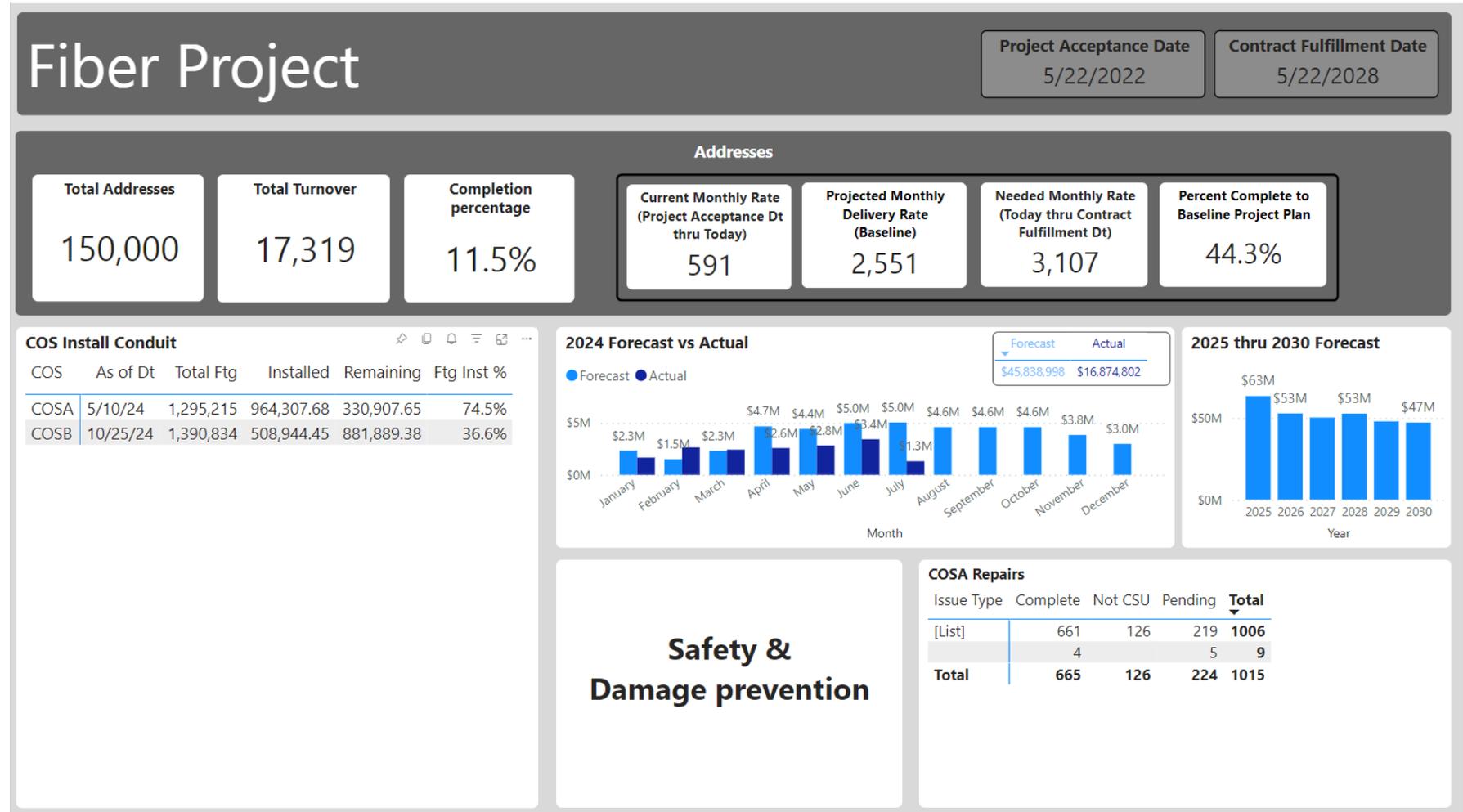
Region	Construction dates (MM/YY)	Status
FHR 1	10/22 – 04/24	On hold
FHR 2	11/24 – 05/26	In Progress
FHR 3	02/24 – 09/25	Task Order
FHR 4	12/24 – 03/26	Taks Order
FHR 5	09/25 – 01/27	In Design
FHR 6	05/26 – 09/27	In Design
<b>FHR 7</b>	<b>03/26 – 07/27</b>	<b>Planning</b>
FHR 8	01/27 – 04/28	Planning
FHR 9	07/27 – 11/28	Planning
FHR 10	09/27 – 12/28	Planning
FHR 11	04/28 – 09/29	Planning
FHR 12	11/28 – 11/29	Planning

Contract Obligation target 07/2027  
 City wide Buildout target 11/2029



# Project Reporting Power Bi

- Working on a robust forward-facing report
- Detailed COS area information
- Keeping the target in front of the team



ADB: address delivery =  
5150 Holdings: address delivery =

9525 over 18-month period  
7794 over 7-month period

# Hut Structure Build Schedule

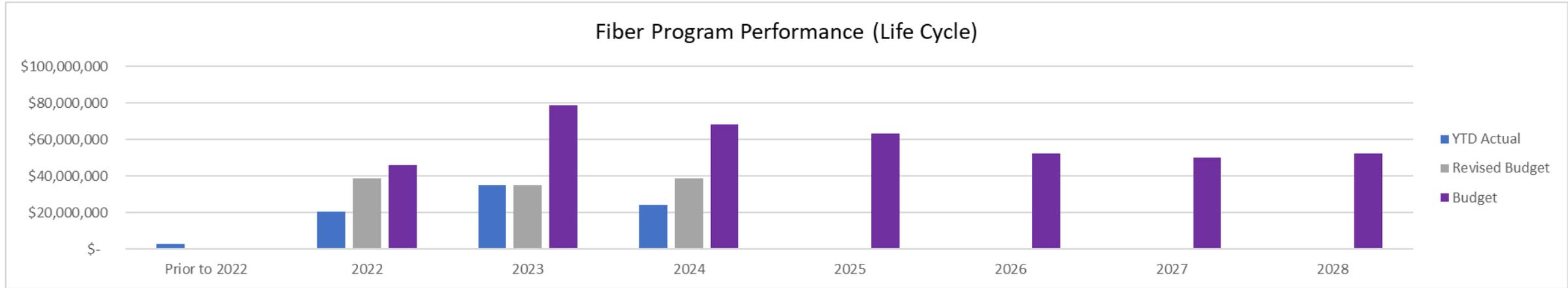
Building	Substantial Completion	Status
Kettle Creek	6/6/2023	Complete
Mesa	6/30/2023	Complete
JPSC	11/15/2023	Complete
Drake	09/26/2024	Complete
Cragmor	09/26/2024	Complete
Allegheny	11/22/2024	In Progress 90%
Fuller	11/29/2024	In Progress 98%
T-Gap	11/29/2024	In Progress 95%
Horizon	12/19/2024	In Progress 90%
Kelker	12/19/2024	In Progress 90%
Broadmoor	1 <sup>st</sup> Qtr. 2025	In Permitting
Bailey	1st Qtr. 2025	In Design



# Budget

Fiber Network Expansion

# Fiber Program Capital Portfolio



Year	Prior to 2022	2022	2023	2024	2025	2026	2027	2028
Budget		\$ 45,855,000	\$ 78,763,837	68,408,000	63,045,000	52,445,000	49,900,000	52,302,500
Revised Budget		\$ 38,755,000	\$ 35,184,000	38,842,761				
YTD Actual	\$ 2,678,068	\$ 20,570,820	\$ 34,959,689	\$ 24,332,809				

\$82.5M incurred Project-to-Date

# Next Steps

Fiber Network Expansion

# Coming Months

- Install final Hut buildings
  - Place remaining hut by 1Q 2025
- Increase network production (3 Contractors working simultaneously)
  - Larger footprint of construction activities
- Continue backbone construction
  - Looking for ways to collaborate installation with planned utility construction
- Operations and Maintenance department development
  - Network Transport Services Hiring 20 new positions in 2024
  - 66 team members when complete

# Questions



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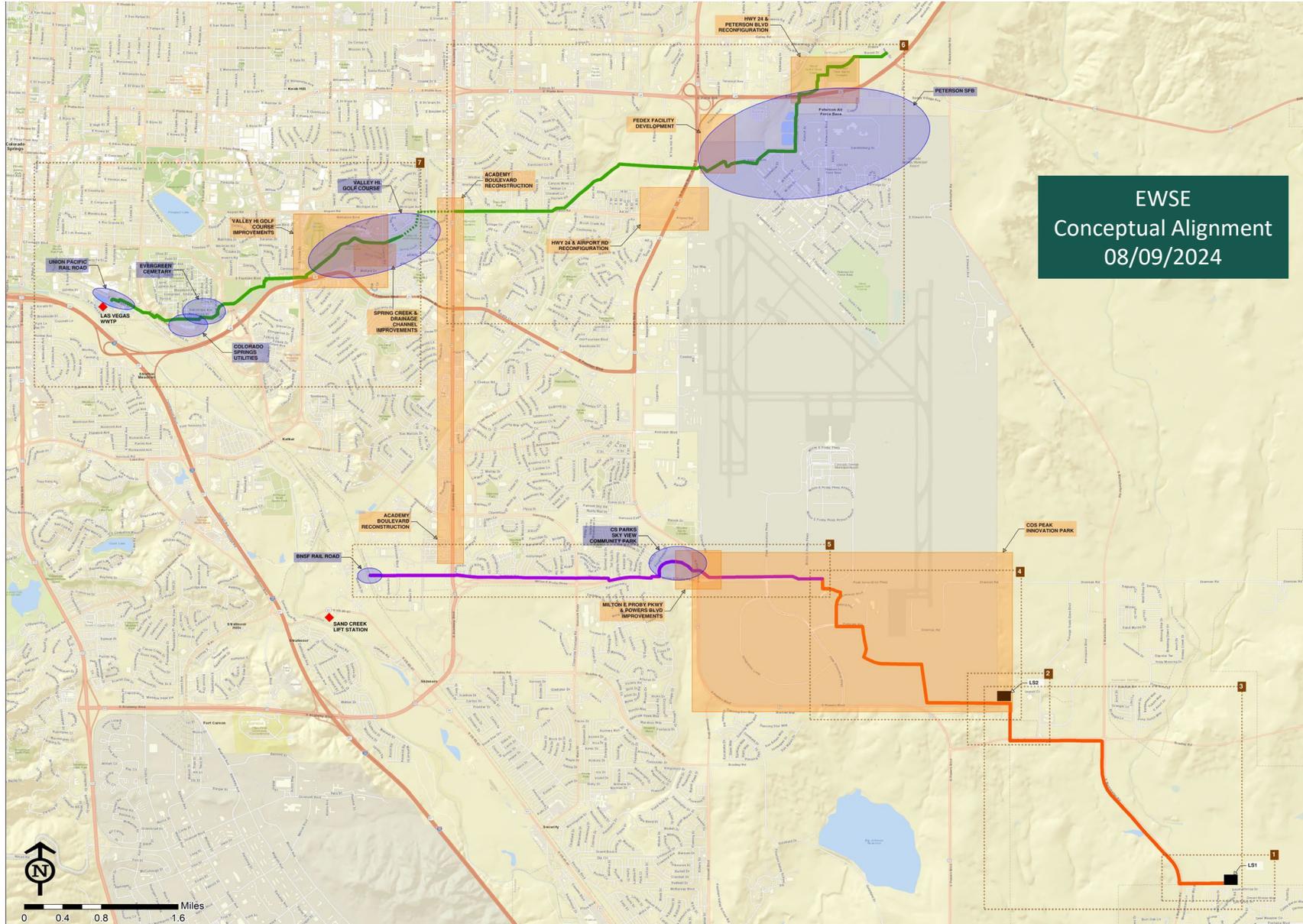
# Eastern Wastewater System Expansion

November 19, 2024

# Agenda

1. Conceptual Alignments
2. Portfolio Health
3. Procurements Timeline
4. Portfolio Costs

# Conceptual Alignments – No Change



# Portfolio Health

## Eastern Wastewater System Expansion

### Schedule

- Portfolio Owner's Engineer (OEM) & Management Request for Proposal (RFP)
  - Recommendation of Award approved October 18
  - Notice of Intent sent to Brown and Caldwell October 21
- TRS land acquisition and surveying team kickoff November 1
- Progressive Design-Build (PDB) RFP
  - RFP Launched October 22
  - Proposals due December 13

### Communication

- Conceptual Design coordination meetings continuing with the following stakeholders:
  - 1.Airport
  - 2.Valley Hi Golf Course
  - 3.Peterson Space Force Base
  - 4.City/County coordination mtgs
    - CDOT
    - Capital Improvement Program/2C/PPRTA & 2A
    - County

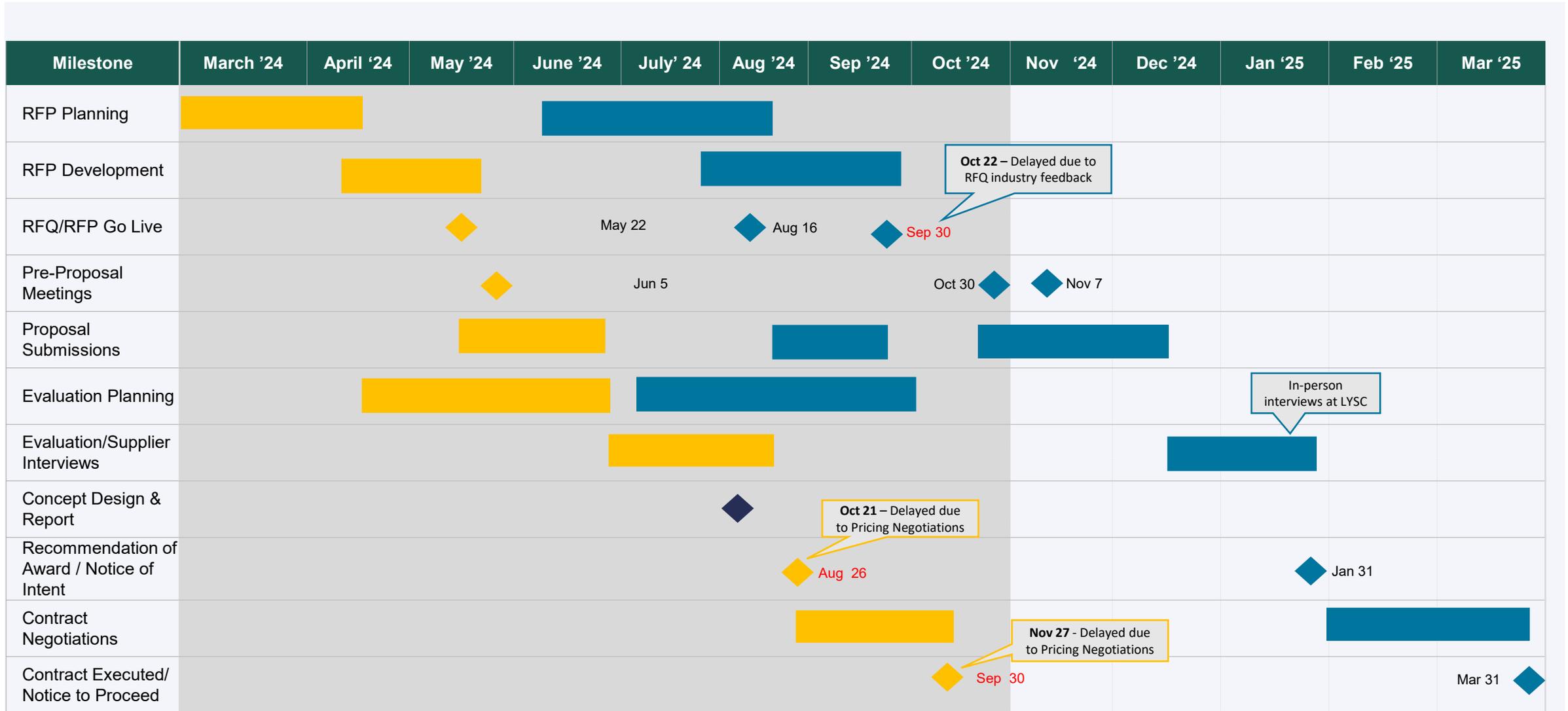
### Budget

- Rate Case approval Nov 12
- Advanced Recovery Agreement to be updated at Guaranteed Maximum Price (GMP) Proposal (TBD 2025)

### Challenges/Opportunities

- Rate case approval needed for project funding
- Rates determined with Class IV Estimating on a conceptual plan, as design progresses so can costs
- PDB RFP contract negotiations could delay schedule
- Interceptor alignment through Valley Hi Golf Course

# Procurements Timeline



# Portfolio Capital Costs (2024-2030) - \$396M\*

\* Based on Conceptual Design's Class IV estimate

2024	2025	2026	2027	2028	2029	2030
<b>SAA</b>						
	<b>Design</b>					
	<b>Early Delivery</b>					
		<b>Construction</b>				
		<b>Early Delivery</b>				
<b>\$329,930</b>	<b>\$22,042,542</b>	<b>\$71,330,126</b>	<b>\$104,632,353</b>	<b>\$79,971,484</b>	<b>\$78,661,872</b>	<b>\$39,361,624</b>
	\$72,042,542	\$71,330,126	\$134,603,837	\$118,023,496		



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Electric Service Projects		2025 Proposed Budget
<b>1. Operational Fiber Network (193952)</b>		\$ 63,045,000
	Construction and installation of a secure, city-wide, fiber optic telecommunications infrastructure system to enhance the existing Utilities network and future Colorado Springs Utilities operations.	
<b>2. SEP EIRP Implementation (193784)</b>		\$ 42,120,000
	Contract agreements for approximately 1,150 megawatts of renewable generation (wind and solar), 200 megawatts of storage and 350 megawatts of natural gas generation through 2028 as needed to support the decommissioning of Drake, Nixon 1 and the Birdsall power plants, and to meet system load growth.	
<b>3. SEP Kelker Substation Rebuild-Expansion (193874)</b>		\$ 31,485,002
	The Kelker Substation Expansion project is almost doubling the substation size to accommodate the growing energy demands in the southeastern area of Colorado Springs. The substation will connect to the new Kelker-South Plant and Midway-Kelker transmission lines. The Kelker Substation Expansion addresses the Sustainable Energy Plan (SEP) goals to improve system reliability by expanding our energy resources to meet the growing energy needs of our community. Construction began in January 2023 and is expected to be complete in 2027.	
<b>4. SEP EIRP Implementation - Transmission (194133)</b>		\$ 25,000,000
	This project is for transmission interconnection of the 1,700 megawatts of replacement generation and storage through 2028 needed to support the decommissioning of Drake, Nixon 1 and the Birdsall power plants, and to meet system load growth.	
<b>5. SEP MW-KE Transmission Line (193880)</b>		\$ 19,242,704
	The Midway Kelker Transmission Line project will upgrade the existing 115kV transmission line to a double circuit 115kV/230kV transmission line to increase import capability into the system. The upgrade will replace all existing wooden poles with steel monopoles. Additionally, we will upgrade equipment within our Nixon, Fountain, Bradley and Kelker Substations to support this increased energy load. The Midway Kelker Transmission Line project supports the Sustainable Energy Plan (SEP) goal to provide safe and reliable energy systems. Construction is scheduled to begin by fall 2025.	
<b>6. Central Bluffs Substation (193642)</b>		\$ 16,000,000
	This project will provide a new facility to accommodate future load growth and contingency needs around the North Nevada revitalization project and UCCS. It will also allow Utilities to remove 2 substations and 1 switch station from service which would otherwise require significant upgrades. Work planned to be accomplished In 2025 includes completion of new substation design and partial construction.	
<b>7. APIP - Horizon Substation - Add New (34.5kV) Transformer, Switchgear, and Feeders (194037)</b>		\$ 9,600,000
	Install a new 104MVA 230/34.5kV transformer, switchgear, and two feeders. to support anticipated large customer growth and provide a source for future 34.5/13.2kV substation(s).	
<b>8. SEP Kelker-South Plant New 115kV Transmission Line (193877)</b>		\$ 8,604,232
	The Kelker to South Plant Transmission line project involves constructing a large capacity 115kV overhead transmission line to connect two of our existing substations—Kelker (southeast) and South Plant (downtown). The Kelker to South Plant Transmission Line supports the Sustainable Energy Plan (SEP) objective of providing system reliability and meeting the growing electrical demand in the downtown and in the western areas of the city at a reasonable cost. Design, easement and permit acquisitions are in progress (2024). Construction is scheduled to begin in 2026 and be completed in 2027.	
<b>9. Front Range CT1 &amp; CT2 Rotor Replacement (193898)</b>		\$ 6,750,000
	Purchase and Installation of CT1 and CT2 Combustion Turbine Rotors: CT1 and CT2 will have to refurbished rotors installed, CT2 will be installed in the Fall of 2024 and CT1 will be installed in the Spring of 2025. Purchase cost of rotor will be spread out over 2023, 2024 and 2025	
<b>10. Front Range General Electric Hot Gas Path Replacement (193407)</b>		\$ 6,201,347
	Payments toward the contractual long-term service agreement (LTSA) with General Electric (GE) for two Frame 7FA Combustion Turbines at the Front Range Power Plant. The parts included in this capital project include but not limited to rows 1, 2 and 3 turbine blades, buckets and nozzle replacement parts considered as part of the "Hot Gas Path" of the combustion turbine. Payment is based on the operating hours of the plants and is a contractual obligation.	

Gas Service Projects		2025 Proposed Budget
<b>1. DIMP - Gas 150P System Renewals (293179)</b>		<b>\$ 7,433,144</b>
<p>The gas distribution integrity management regulations require natural gas distribution companies, to develop, write, and implement an integrity management program that identifies and implements measures to address risks. The 150 PSIG system consists of the highest pressure mains in the distribution system. Because the pressure is higher the consequence of failure is higher and poses a greater risk to the safety of our customers if left unmaintained. This capital program identifies the highest risk 150 PSIG main segments and replaces them with more modern coated steel piping.</p>		
<b>2. New Construction Billable (293041)</b>		<b>\$ 3,521,392</b>
<p>This is a development driven program to install new gas mains and service stubs to residential and commercial areas not currently served. This program also funds the extensions of the 150 psig gas mainlines as necessitated by load additions. The requesting customer pays the Contribution in Aid of Construction contract based on the Utilities Rules and Regulations. The program is an Obligation to Serve as per Colorado Springs City Code section 12.3.201.</p>		
<b>3. SEP - Downtown and Military Gas Supply Resiliency Project (293207)</b>		<b>\$ 2,820,000</b>
<p>Improve gas supply reliability to the South Plant natural gas units to operate as needed year around, increase resiliency to Fort Carson military installation, and supply gas to proposed Horizon 350 Megawatt Gas Plant. Design 2025; Construction: 2027-2028.</p>		
<b>4. Gas 150P Over Pressure Protection (293186)</b>		<b>\$ 2,144,999</b>
<p>This program is to complete gas distribution system improvements driven by regulatory compliance with the Pipeline and Hazardous Materials Safety Administration, Part 192.195 for over pressure protection at the five gate stations. Projects include installation of new gas infrastructure such as regulating equipment, emergency valves, electrical, instrumentation, backup generators, equipment enclosures, and relief valves. Work in 2024 includes construction of North and South Gate Stations with Drennan and Security Gate Stations being constructed in 2025.</p>		
<b>5. DIMP - Gas Coated Steel Renewals (293180)</b>		<b>\$ 2,000,000</b>
<p>The gas distribution integrity management regulations require natural gas distribution companies, to develop, write, and implement an integrity management program that identifies and implements measures to address risks. Aging coating materials can deteriorate and become disbonded from the pipe. When coatings fail, corrosion can attack the exposed steel pipe. This program is to replace high risk segments of coated steel pipe.</p>		
<b>6. Marksheffel Connector GPAP expansion (293170)</b>		<b>\$ 2,000,000</b>
<p>Increase the capacity of existing Propane Air Plant (PAP) from 1,800 dekatherm/hour to 2,400 dekatherm/hour by installing three additional air compressors.</p>		
<b>7. Gas Service Vehicles &amp; Equipment (280021)</b>		<b>\$ 1,878,852</b>
<p>Replacement and purchase of Vehicles and Equipment for the Colorado Springs Utilities Gas Service to maintain a safe, cost effective and reliable fleet</p>		
<b>8. Gas Meters - Base Requirements (293043)</b>		<b>\$ 1,820,700</b>
<p>This is a growth-driven and lifecycle replacement program, which purchases gas meters, modules, temperature and pressure instruments, parts, connection materials and regulators. It provides for Capital additions to connect new residential, commercial, and industrial gas customers to CSU's system. In addition, it provides for Capital replacements of damaged/defective meters and meters replaced through the Gas Measurement Accuracy Control (GMAC) Program. Gas meters are an obligation to serve requirement.</p>		
<b>9. Gas Unplanned Maintenance (293183)</b>		<b>\$ 1,605,533</b>
<p>This program is to complete emergent gas distribution maintenance projects that cannot be planned within the normal budget cycle. Projects may include renewals due to leaks, excavation damages and cathodic protection system failures. Federal Regulations require prompt remedial action for correcting these deficiencies. Typically, prompt remedial action is within one calendar year. Response to city improvement projects may also be performed within this program. Program scoping is based on a historical trend of past program activity.</p>		
<b>10. New Construction Non-Billable (293042)</b>		<b>\$ 1,273,558</b>
<p>This budget funds the installation of gas main extensions to new customers which requires the oversizing of the mainline for future developments. This is required to meet new customer growth identified through the gas modeling software and is not covered by developer advance payments. In addition, this budget funds the installation of scattered service stubs for infill areas and the inspection cost for all new services.</p>		

Water Service Projects		2025 Proposed Budget
<b>1. Water Acquisition (394683)</b>		\$ 33,000,000
	Developing new water sharing projects with agriculture to acquire sources of supply. Acquiring new water supplies through partnerships with agriculture in the near-term is essential for mitigating risks from drought and administration of water rights associated to other sources of supply. Acquiring new water supplies through is essential for long-term water resource development, diversity and reliability to serve the city through buildout.	
<b>2. Highline Pressure Zone Extension and Redundant Supply (394749)</b>		\$ 13,699,398
	.This project includes design and construction of 5.2 miles of 30", and 24" water transmission and distribution main that will extend the Highline Pressure Zone of the potable water system further to the south to provide water service to the southerly portion of the Banning Lewis Ranch annexation area along with create a redundant water supply to the Colorado Springs Airport. The project plan is to begin construction at the beginning of the 4th quarter of 2024 and proceed through 2025 with a final completed schedule end in early to middle 2026.	
<b>3. Finished Water Linear Asset Program (394744)</b>		\$ 11,312,000
	Colorado Springs Utilities has over 2,100 miles of transmission and distribution water mains we serve. The FWLAP is a capital program focused on renewing degraded and aging finished water infrastructure through various methods, minimizing current and future water main system failures, and delivering safe, reliable drinking water along with fire protection to our customers. The program plan for 2025 is to rehabilitate approximately 50 miles of this pipeline using Condition Assessment, Cathodic Protection, Design, Lining and Replacement.	
<b>4. Specialty Valves Rehabilitation and Replacement Program (394651)</b>		\$ 10,500,000
	This program identifies, evaluates, prioritizes, and implements the rehab/replacement of specialty valves in the water system to ensure safe and reliable water service to our customers. The program includes condition assessment and evaluation of valve performance and consequence of failure for prioritization of projects. Work in 2025 includes: Completion of Academy & Meadowland Vault D/B Project & FLYR5 PRV Vault Construction. Work in 2026 includes: Academy & Constitution Vault Replacement.	
<b>5. Potable Pumping Station Replacement Program (394587)</b>		\$ 6,000,000
	The Potable Pumping Station Replacement Program evaluates, prioritizes, rehabilitates and/or replaces pump stations, pump station equipment and systems to maintain reliable water service to our customers. The program provides condition assessments in support of asset management and a long term capital improvement plan for each of the finished water pump stations (PS). Formal condition assessments have identified targeted replacement of PS Equipment and Systems.	
<b>6. N. Slope - South Catamount Dam Rehabilitation (394696)</b>		\$ 6,000,000
	Design and construction for rehabilitation of the upstream steel face and aging outlet works. Steel face rehabilitation consists of blast-cleaning and application of a spray-applied coating of POLY COAT 110 and repair of damaged concrete at the plinth and groins. Outlet works rehabilitation requires removal of aging piping and valves, backfilling of the outlet works tunnel, and relocation of the valve house. The project improves dam operations, increases useful life of the asset, minimizes dam safety risk, and maximizes reliability.	
<b>7. WOLF and UBG Pressure Zone Interconnection - North Segment, Phase 1 of 2 (394652)</b>		\$ 5,589,000
	This is a vulnerability identified in the 2016 FWSP, reviewed and modified in the 2021 FWSP. A 24" and 16" pipeline will extend approximately 3.8 miles from Old Ranch Rd. and Powers Boulevard to the Highway 83 PS. It will 1) increase reliability, 2) reduce pumping requirements at the Northgate PS, extending its useful life without capacity increases and 3) provide the emergency connection between two independent Briargate Pressure Zones. Work in 2025 will be focused on design and preparation for construction activities.	
<b>8. Water Service Vehicles &amp; Equipment (380109)</b>		\$ 5,367,337
	Replacement and purchase of Vehicles and Equipment for the Colorado Springs Utilities Water Service to maintain a safe, cost effective and reliable fleet	
<b>9. Rosemont Pipeline Replacement (394476)</b>		\$ 4,854,879
	This project will initiate design of the most critical section(s) of the 14 miles of the Rosemont pipeline and program the replacement of these sections. This is a multi-year project to address permitting and construction sequence needs of the difficult to access pipeline.	
<b>10. Public Improvement Projects - Water (380083)</b>		\$ 4,250,000
	This capital activity and budget pays for Colorado Springs Utilities' share of water relocations, betterments and improvements as a result of Pikes Peak Rural Transportation Authority (PPRTA), City Capital Improvements Projects, El Paso County and Colorado Department of Transportation (CDOT) public improvement projects. 2025 public improvement water projects currently include BFR Widening, Powers and Airport, Circle Dr. Bridges, Fontanero & I-25 Bridges, Academy Blvd. Reconstruction, Galley over West Fork, Nevada Ave Storm Sewer Outfall.	

Wastewater Service Projects		2025 Proposed Budget
<b>1. EWSE-New Lift Station and Force Main Phase 1 (495436)</b>		<b>\$ 18,871,906</b>
The new Lift Stations and Reach Main force mains originate near the intersection of Jimmy Camp Creek and the southern City Limits and will extend to the future Milton Proby Interceptor. The lift stations will be built in phases as flow increases. The first phase will handle 2 million gallons per day of wastewater flow. The project will provide services in the southeastern region of Colorado Springs. The design is expected to start in 2025, and Construction expected to begin in 2026.		
<b>2. LVSWRRF Aeration System Modifications (495307)</b>		<b>\$ 10,960,000</b>
This is a multi-year effort to upgrade the Aeration System which supports wastewater treatment in the five basins at the LVSWRRF. Critical components of the existing aeration system have reached the end of their useful life, reducing system performance. Budget forecast reflects two years of construction and rehabilitation of the aeration air delivery system and will allow Springs Utilities to meet current and future flow and load conditions and comply with upcoming discharge regulations. Project design was completed in 2023 and construction activities will occur in 2024, 2025, and 2026.		
<b>3. LVSWRRF Influent Junction Box Replacement (495363)</b>		<b>\$ 4,000,000</b>
This project would provide for the rehabilitation and/or replacement of various components of the LVSWRRF influent infrastructure, to include pipes, manholes, gates, junction boxes, a new diversion structure, and odor control. Work in 2025 will include completing the design and starting construction activities. Construction will continue into 2027.		
<b>4. Northern Monument Creek Interceptor (495356)</b>		<b>\$ 4,000,000</b>
The Northern Monument Creek Interceptor (NMCI) project consists of installing approximately 8.5 miles of 30" pipe and appurtenances from the southern edge of the US Air Force Academy to the Upper Monument Creek WWTF just outside of the northern edge of the Academy. The NMCI will enable Utilities to eliminate at least one lift station in the near term and allow the flexibility to eliminate more in the future. It will accept wastewater flows from two sanitation districts north of Colorado Springs. Design work will be completed in 2025 with construction in 2026 and 2027.		
<b>5. SSCC Collection System Rehabilitation/Replacement Program (495253)</b>		<b>\$ 2,970,000</b>
The Sanitary Sewer Creek Crossing (SSCC) Rehabilitation/Replacement program evaluates, protects, and rehabilitates sanitary sewer pipelines that cross creeks and drainages in Utilities' service area, while at the same time providing stream stability and reduced erosion and sedimentation. Funds are budgeted according to a 2016 IGA commitment and related Executive Agreement and reported annually to the City of Colorado Springs. In 2025, two large-scale projects are planned to continue and/or commence to meet Utilities \$3.3M 2025 Stormwater IGA commitment.		
<b>6. EWSE-Crosstown Interceptor (495435)</b>		<b>\$ 2,689,052</b>
The interceptor is a planned gravity wastewater pipeline that will convey future flow from the northeastern and eastern regions of Colorado Springs to the Las Vegas Water Reuse and Reclamation Facility (LVSWRRF). The pipeline is approximately 41,000 LF and ranges from 30 inches to 54 inches in diameter. The project design is expected to start in 2025, with Construction expected to begin in 2026.		
<b>7. CSRRRF Electrical Upgrades Project (495343)</b>		<b>\$ 2,300,000</b>
This project would allow us to complete a holistic improvement on the electrical feed, switchgear, power distribution and electrical and instrumentation systems on the digestion facility. A majority of the equipment, wiring and conduit to be replaced have been in service since 1985 and are past the end of their useful life. Construction activities are kicking off in Q3 of 2023 and anticipated to last through early 2025.		
<b>8. LVSWRRF Sludge Pump Replacement (495309)</b>		<b>\$ 1,890,000</b>
This project would result in replacing the blended sludge pumps that are used to pump the solids from the Las Vegas Street Water Resource Recovery Facility to the Clear Spring Ranch Resource Recovery Facility. The pumps are approaching end of life and will be replaced with newer models that are sized to provide service during their anticipated 20 year design life. Design will be complete in early 2025. Construction will start in 2025 and continue through 2026.		
<b>9. Local Collectors Evaluation and Rehabilitation Program (LCERP) (495121)</b>		<b>\$ 1,800,000</b>
The Local Collectors Evaluation and Rehabilitation Program (LCERP) is multi-year program entering the 21st year of implementation. The goal of LCERP is to determine the condition of every sanitary sewer pipe line less than 10" in diameter and place them on a rank based priority schedule to be re-inspected or rehabilitated. LCERP has rehabilitated over 3200 individual line segments totaling approximately 169 miles. 2025 LCERP will rehabilitate approximately 30,000 feet of pipe. LCERP is considered a condition of the 1041 Permit by Pueblo County for the Southern Delivery System.		
<b>10. Collection System Rehabilitation/Replacement (495236)</b>		<b>\$ 1,710,000</b>
Collection System Rehabilitation/Replacement (CSRR) Project provides for the assessment and rehabilitation/replacement of the collection system for large diameter pipes (10" and greater). The CSRR is the successor to the SSERP (SSERP was mandated by a Compliance Order on Consent with the CDPHE). The large diameter portion of the sanitary sewer collection system consists of approximately 270 miles of pipe. 2025 CSRR will rehabilitate approximately 2,000 feet of pipe. CSRR is considered a condition of the 1041 Permit by Pueblo County for the Southern Delivery System.		

Common Service Projects		2025 Proposed Budget
<b>1. Computer Maintenance Management System (CMMS) (596710)</b>		\$ 4,935,000
	CMMS/Maximo Upgrade will bring us onto a supported version of Maximo. There will be two phases: 1. hire a consultant to write a SOW defining the steps needed to complete the upgrade and integration with necessary applications. 2. Send out for RFP utilizing the SOW from step 1 to define the efforts. The System integrator will execute the SOW from Phase 1. CMMS - A Computerized Maintenance Management System (CMMS) focus is on improving and automating maintenance protocols for physical assets such as heavy machinery, equipment, and vehicles	
<b>2. Data Analytics and Strategy - Storage &amp; Access (596712)</b>		\$ 4,500,000
	Ensure the reliable and secure accessibility of all data across the enterprise through standardized interfaces. This initiative facilitates agile and timely analytics, enabling informed business decisions, robust reporting, and seamless interconnections. The program will leverage advanced cloud and on-premise technologies to effectively realize enterprise objectives.	
<b>3. Common Service Vehicles &amp; Equipment (580175)</b>		\$ 4,353,499
	Replacement and purchase of Vehicles and Equipment for the Colorado Springs Utilities Common Service to maintain a safe, cost effective and reliable fleet.	
<b>4. Infrastructure Platform Program (596535)</b>		\$ 2,800,000
	Ongoing system upgrades and replacements to ensure reliability and security. Incorporates compliance with Cyber Security policies and next generation of hardware for data center and operations infrastructure. Supports our evolving capacity, performance, and expected growth needs.	
<b>5. Vac Material Processing Wash Plant Recovery System (596761)</b>		\$ 2,600,000
	This project is to upgrade our hydro-excavator vac and boring operation units site for dumping (presently a contained open pond within the pit) material at the Sand Creek Recycle Center. The new recycling plant will allow us to meet environmental compliance and regulations presently and into the future, while also allow for the use reuse capabilities of some product/material recycled through the cleaning process (Clean recycling).	
<b>6. GIS Technology Modernization Project (596651)</b>		\$ 2,000,000
	Esri (solution provider) is requiring the current Geographic Information System (GIS), "ArcGIS Geometric Network," be replaced with a new "Utility Network" system by the end of 2028 for the storing and management of GIS utility (linear) infrastructure data. The new Esri Utility Network is a comprehensive framework of functionality in the GIS for spatially modeling multi-service utilities. This is a multi-year Capital project due to the extensive changes from the current system to the new system.	
<b>7. Network Enterprise Services Program (596544)</b>		\$ 2,000,000
	Continue with the annual lifecycle management of network security, switching, and routing hardware, prioritizing devices approaching end-of-support and those presenting advanced technology opportunities. Capital and O&M funds are required for the purchasing of the hardware.	
<b>8. BRDS02 Data Center PDU/UPS Upgrade (596758)</b>		\$ 1,500,000
	Engineering services will be procured to conduct a study and create documentation for upgrading the existing Power Distribution Units (PDUs) and Uninterruptible Power Supplies (UPSs) at the BRDS02 (SECC) data center. Capital funds will be also be allocated to hire a vendor for hardware procurement and installation.	
<b>9. Network TIL Redesign (596759)</b>		\$ 1,500,000
	Re-establishing a TIL/sandbox environment will require capital and O&M funds. Acquiring the necessary hardware and tools for this environment will strategically enhance the capability and resilience of our Infrastructure IT team.	
<b>10. BRDS02 Halon Replacement (586280)</b>		\$ 1,050,446
	The BRDS02 (SECC) chemical fire suppression serves for dry fire suppression protection of critical electrical, computing, and system control functions in BRDS02, including both the data center and system control operations. This project proposes to replace the existing Halon fire suppression system with a clean agent system.	



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# **Committee Purpose Discussion and 2025 Work Plan**

Bethany Schoemer, Strategic Planning and Governance

# Purpose of Program Management Review Committee

- The Program Management Review Committee, in support of the Utilities Board's responsibility of oversight and accountability, reviews major program performance for large programs and reviews compliance with Utilities Board policies.
- Established in 2017 to provide additional oversight of the Southern Delivery System and the emissions control program.



# Criteria to Select Programs to Review



Customer impact



Regulatory driven



Part of a long-range plan (EIRP, IWRP, etc.)



Multi-year implementation



Budget



Stakeholder visibility



Risk



# Program Management Review Committee

## 2024 Accomplishments ✓

Michelle Talarico (Chair), Randy Helms, Dave Donelson, David Leinweber

### 2024 Focus Areas

- **Detailed review (Safety, Scope, Schedule/Financial Status, and Areas of Concern)**
  - Sustainable Energy Portfolio
  - Gas Distribution Integrity Management Program (DIMP) and Compliance Projects
  - Eastern Wastewater System Expansion Project
  - Fiber Optics/Communications Network
- **Dashboard review of 50+ additional high-profile projects/programs from the 2024 Annual Operating Financial Plan (AOFP)**
- **Tours:** Monument Creek Stabilization and Mesa Water Treatment Plant



# Top Funded Capital Projects

Operational Fiber  
Network

Sustainable Energy  
Implementation

Kelker Substation

Eastern  
Wastewater  
System Expansion

Central Bluffs  
Substation

Highline Pressure  
Zone Extension  
and Redundant  
Supply

Finished Water  
Linear Asset  
Program



# Program Management Review Committee

## Draft 2025 Proposed Work Plan

Michelle Talarico (Chair), Randy Helms, Dave Donelson, David Leinweber

### 2025 Focus Areas

- **Selected project/program:**
  - Significant projects by service
  - Unique projects
  - High-public visibility
  - Risk impact to organization
  - Regulatory project schedule
- **Dashboard review of 50+ additional high-profile projects/programs from the Annual Operating Financial Plan (AOFP)**
- **Committee tours**



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## 2024 Program Management Review (PMR) Committee Dashboard

Service	Project/Program (Activity #)	Project Manager	Current Phase	Project Schedule (Start/Stop Dates)	Total Project Budget	2024 AOFB	Schedule Performance	Budget Performance	Comments
							Trending in past Quarter	Trending in past Quarter	
	<b>Operational Fiber Network (193952)</b> This project expands and improves the fiber optic telecommunications infrastructure for Colorado Springs Utilities.	Thane LaBarre / Jason Miller	Construction	Q3/2020-Q1/2028	\$509M	\$68.4M	➡	➡	Huts: Construction in progress, 11 of 12 hut buildings are planned for completion by year end 2024. Five of these Huts are substantially completed with three others placed and under construction. Final Hut building planned to complete in Q1-2025.  Backbone: Initial Design completed. Due to easement challenges a design revision is in process, Construction in progress, estimated completion Q2-2025.  Network: conceptual design complete for entire network. Final design complete for 4 of 13 network sections. Construction began in Q4-2022, Network delivery behind schedule 14 months from initial deliverable. To compress schedule and bring back to contract obligation, Single Source contract executed and new RFP sourcing event is in process. Revised 2024 Budget = \$32,691,123
	<b>SEP -Horizon Substation (193873)</b> Construction of a new 230kV substation to support transmission needs in support of decommissioning of Drake and to support distribution needs for the region. This project is part of Phase 1 in the Advanced Technologies Campus.	Zach Shearer	Construction	Q2/2020-Q1/2024	\$43.7M	\$0.7M	⬆	⬆	Project is Substantially Completed
	<b>SEP - Midway - Kelker Transmission Line 115kV/230kV (193880)</b> Rebuilding the existing 115kV transmission line to a double circuit 230kV & 115kV transmission line. This will include one interconnection substation and three connections to existing substations, with some minor modifications to the existing substations. Reconstruction is necessary to replace aging poles and outdated conductor with newer more efficient conductor for future growth and reliability.	Ryne Solberg	Design	Q4/2020-Q1/2027	\$79.05M	\$1.6M	➡	➡	Design is nearing 90% phase while all conductor and wind speed analysis are complete. Geotechnical surveys are complete and logs will be provided by Q3 to support design. All forms of permitting (environmentals, CDOT, etc..) will begin Q4 of 2024. Construction expected to begin Q4 of 2025. Early procurements to pull spend into 2024 will cut PO's in November for OH conductor.
	<b>SEP -Kelker-South Plant New 115kV Transmission Line (193877)</b> New overhead single circuit 115kV transmission line from Kelker Substation to South Plant Substation. This added transmission infrastructure is needed to support Drake decommissioning and future Temporary Natural Gas Generator (TNGG) relocation.	Ryne Solberg	Design	Q2/2021-Q1/2027	\$29.5M	\$0.3M	⬆	➡	60% design package for OH segment was submitted on 10/30/24. 60% UG segment will be submitted around mid November. Staking and surveying is 90% complete. There are 5 remaining properties where easements are required. Geotechnical work is expected to begin in December. Project is still on track to meet original deliverable. AOFB may be exceeded by \$1M due to 2023 work performed in 2024.
	<b>SEP -Kelker Substation Rebuild-Expansion (193874)</b> Expansion and reconstruction of an existing substation to transition both the 230kV and 115kV bus to breaker-and-a-half configurations. Reconstruction allows for an additional two 115kV lines, 230kV line and substation equipment. 2023 work will focus on site work, construction of the new wall around the expansion site, and major equipment deliveries.	Zach Shearer	Construction	Q2/2020-Q2/2027	\$87M	\$17.1M	➡	➡	The perimeter wall and all foundations for the 230kV Expansion yard have been completed and all major 230kV equipment is on site. The primary focus for 2024 has been the 230kV expansion yard to include equipment installations, high steel, cable trench, duct bank, conduit, and ground grid installation in the 230kV yard. Our series of transmission outages will begin in the fall.
	<b>Central Bluffs Substation (193642)</b> This project will provide a new facility to accommodate future load growth and contingency needs around the North Nevada revitalization project and UCCS. It will also allow Utilities to remove 2 substations and 1 switchstation from service which would otherwise require significant upgrades. Work planned to be accomplished in 2024 includes completion of property acquisition transactions, completion of equipment procurement, existing building demolitions, new substation design and partial construction.	Steven Gaeta	Design	Q2/2019 - Q1/2027	\$42M	\$10.0M	➡	➡	Design is in progress with the 60% civil set expected in December, 2024. Existing building abatement and demolition have been delayed to December, 2024. Project is behind schedule as we worked through equipment configuration and how to manage the recreational space in support of rezoning the site. Spend is lower this year due to schedule delays mentioned and reduced cost with abatement and demolition.
	<b>SEP EIRP Implementation (193784)</b> Replacement generation needed to support the decommissioning of Drake, Nixon 1 and Birdsall power plants.	Jessie Marshall	Procurement	Q4-2023 - 2034	\$677M 2024-2034	\$4.8M	➡	⬆	Natural Gas Generation - A slot reservation has been executed with ProEnergy Services for the natural gas generation committed to a COD of May 2028. Final negotiations of the full EPC agreement are in progress and are planned to be finalized in November. Additional spend was required to sign this contract and lock in the May 2028 COD. The cost for 2024 will be \$30M.  PPA - The team is working with selected vendors to negotiate contracts for each of the selected projects. All contracts will by 1st quarter 2025.
	<b>Distribution System Improvements (192383)</b>								

Service	Project/Program (Activity #)	Project Manager	Current Phase	Project Schedule (Start/Stop Dates)	Total Project Budget	2024 AAFP	Schedule Performance	Budget Performance	Comments
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	Routine system enhancements and extensions to the electrical distribution system required to maintain electric reliability and contingency switching solutions for existing customers. These projects are critical to the integrity of the system, especially in areas experiencing higher vertical and/or horizontal load growth.	Susan Lovejoy	On-Going Program (Design & Construction)	Ongoing	Ongoing Annually	\$3.0M			

Service	Project/Program (Activity #)	Project Manager	Current Phase	Project Schedule (Start/Stop Dates)	Total Project Budget	2024 AAFP	Schedule Performance	Budget Performance	Comments
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	<b>Manitou Units 1&amp;2 Turbines &amp; Generators Rehabilitation Project (193970)</b> Rehabilitate Units 1&2 at the Manitou Hydroelectric Facility to include a full generator rewind, new rotor field, and new runner.	Kyle Schelhaas	Design	Q4/2024 - Q4/2026	\$4.8M	\$2.4M	→	→	Proposal recieved from Thompson Construction for a total cost \$6.1M. Some additional scope was added during this process as pipeline leaks were discovered downstream of the newly installed isolation valves to each unit. These leaks will be repaired in conjunction with rehabilitation, adding \$275K in additional scope. Project team is negotiating a contract for the construction phase of the work.
	<b>New Substation - Northeast Area of Existing Service Territory (194030)</b> Build a new substation in the vicinity of Briargate substation area. Requirements include ~1 mile of new transmission, new 50MVA 230/13.2kV transformer, switchgear, and up to 4 new feeders.	Ryan Kirby	SAA	Q1/2024 - Q4/2026	\$34.25M	\$2.0M	→	→	Determine final location and purchase property in 2024 for new substation
	<b>SEP Portfolio Management (193887)</b> Manage and deliver all the projects identified within the Sustainable Energy Plan portfolio.	Shawn Timothy	On-Going Program (Design & Construction)	Q1/2021 - Q4/2029	\$17M	\$1.9M	→	→	The Program is still on schedule to track and spend the 2024 revised budget
	<b>Front Range HRSG1 Elevator (193118)</b> Install an elevator on Front Range Heat Recovery Steam Generator 1 (HRSG1) to safely transport personnel and tools to the top of the structure and provide a means for evacuating someone from of the top of HRSG1 in an emergency.	Melissa Lingo	Construction	Q1/2026 - Q2-2025	\$3.6M	\$2.7M	↑	↓	Construction on the project has begun, we are about a month behind our anticipated schedule to start construction. Working with Bryan Construction to spend as much as we can this year to include purchasing all components. Our Owner's Engineer spend for 2024 will be about \$150,000 less than projected due to having to re-compete the construction work earlier this year to recieve construction proposals.
	<b>Patty Jewett Substation - Add New Transformer, Switchgear, Feeders, and Retire Memorial Hospital Sub (194026)</b> Install a new 25MVA 34.5/13.2kV transformer, switchgear, two new feeders, and retire aging equipment at Memorial Hospital substation.	Ryan Kirby	Design	Q1/2024 - Q4/2026	\$5.5M	\$1.6M	→	→	Design is complete, Long lead Electrical Gear is on order.
	<b>Flying Horse Substation - Add New Transformer, Switchgear, and Feeders (193780)</b> Add new transformer, switchgear, breaker and up to 4 new feeders for contingency of the other transformer and future load growth. Work planned for completion in 2024 includes completion of feeder planning, civil/structural (external) design, electrical (internal) design, and order of remaining equipment.	Steven Gaeta	SAA	Q2, 2021 - Q4, 2025	\$8.3M	\$1.6M	→	→	Transformer planned to be installed for this project has been moved to another substation due to overall priorities to maintain Electric system reliability. Schedule and budget impacts are due to deffering the completion of this project to align with when a new transformer can be delivered for Flying Horse.
	<b>Horizon Substation - Add New Feeder (194025)</b> Add a 4th distribution feeder from the 230/13.2kV transformer to serve new load in the vicinity of Horizon substation.	Adam Garcia	Construction	Q1 24 - Q2 24	\$1.6M	\$1.6M	↑	↑	(6/28/24), Project finished in Q2-2024, estimated final cost about \$817k (10/3/24) Change Request 65 moved ~\$1.4M to PPTS 3814, SEP Horizon Sub (New)
	<b>SEP Flying Horse Substation - Series Reactor Addition (193966)</b> Add reactor to the Flying Horse substation. The planned reactor at Flying Horse is needed so that present and proposed renewable injections of power into adjoining systems do not overload Colorado Springs Utilities' system under contingency. Work planned for accomplishment during 2024 includes delivery and installation of major equipment, completion of construction, commissioning, and energization of the new reactor.	Steven Gaeta	Construction	Q4, 2021 - Q3, 2024	\$3.4M	\$1.2M	→	→	Project is substatially complete with punchlist items remaining.
	<b>Green Mountain Substation Rebuild (193699)</b> Replacement of Green Mountain Substation, a rural distribution substation made up of aging and obsolete components.	Kevin Wilson	Design	Q3/2021-Q2/2025	\$3.0M	\$1.0M	→	→	Design and equipment purchase are on-going. Lead times for Medium Voltage Switchgear have increased to 2 years delaying the construction of the project. Additionally, the transformer planned to be installed at Green Mountain Falls was required this past summer at Yampa Substation. Construction completion is being re-planned to when a transformer can be delivered for Green Mountain Falls Substation.

Service	Project/Program (Activity #)	Project Manager	Current Phase	Project Schedule (Start/Stop Dates)	Total Project Budget	2024 AAFP	Schedule Performance	Budget Performance	Comments
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	<b>Front Range CT 2 Rotor Replacement (193898)</b> Purchase and Installation of CT1 and CT2 Combustion Turbine Rotors: CT1 and CT2 will have to refurbished rotors installed, CT2 will be installed in the Fall of 2024 and CT1 will be installed in the Spring of 2025. Purchase cost of rotor spread out over 2023, 2024 and 2025	Brett Gage	Design	Q1/2022-Q4/2024	\$15.6M	\$12.2M	➡	➡	
Gas	<b>DIMP - Gas Coated Steel Renewals (293180)</b> Replace high risk segments of coated steel pipe. Aging coating materials can deteriorate and become disbonded from the pipe. When coatings fail, corrosion can attack the exposed steel pipe. The gas distribution integrity management regulations require natural gas distribution companies, to develop, write, and implement an integrity management program that identifies and implements measures to address risks.	Mark Peters	On-Going Program (Design & Construction)	Ongoing	Ongoing Annually Since 2020	\$1.3M	➡	➡	Coated Steel Budget is expected to be overspent by \$100K. DIMP Portfolio projected underspent compared to revised budget by \$500K unless External Construction on 150 PSIG Project starts in Q4. Delays were experienced in procurement process.
	<b>DIMP - Gas Bare Steel Replacements (293178)</b> Identify the highest risk bare steel mains and services and replaces them with plastic. Uncoated steel pipelines are known as bare steel pipelines. The age and lack of protective coating typically makes bare steel pipelines of higher risk as compared to some other pipelines and candidates for accelerated replacement programs. The gas distribution integrity management regulations require natural gas distribution companies, to develop, write, and implement an integrity management program that identifies and implements measures to address risks.	Mark Peters	On-Going Program (Design & Construction)	Ongoing	Ongoing Annually Since 2020	\$0.8M	➡	⬇	Bare Steel Budget expected to be underspent by \$300K due to shifting priorities of DIMP Portfolio work. DIMP Portfolio projected underspent compared to revised budget by \$500K unless External Construction on 150 PSIG Project starts in Q4. Delays were experienced in procurement process.
	<b>Gas 150P Over Pressure Protection (293186)</b> This program is to complete gas distribution system improvements driven by regulatory compliance with the Pipeline and Hazardous Materials Safety Administration, Part 192.195 for over pressure protection at the five gate stations. Projects include installation of new gas infrastructure such as regulating equipment, emergency valves, electrical, instrumentation, backup generators, equipment enclosures, and relief valves. Work in 2024 includes construction of North and South Gate Stations with Drennan and Security Gate Stations being constructed in 2025.	Melissa Lingo	Design	Q4/2020-Q1/2026	\$8.2M	\$2.3M	➡	⬆	South Gate Station construction is almost complete. South's startup is schedule 10/24/24. Security is in process of being rescope in light of the new Downtown & Military Resiliency gas project. Received Drennan 30% design and Security 60% design. Need to officially document the rescoping of Security and calculate impact on project overall budget. Security will now be constructed by in-house crews.
	<b>DIMP - Gas Vintage Plastic Renewals (293181)</b> Replace high risk vintage pipe segments, fittings and valves. Some vintage plastic pipe and fittings are known to be prone to stress cracking due to the characteristics of the pipe resin or the design of the fittings. The gas distribution integrity management regulations require natural gas distribution companies, to develop, write, and implement an integrity management program that identifies and implements measures to address risks.	Mark Peters	On-Going Program (Design & Construction)	Ongoing	Ongoing Annually Since 2020	\$0.25M	➡	⬇	Vintage Plastic Expected to be Underspent by \$120K due to shifting priorities in DIMP Portfolio work. DIMP Portfolio projected underspent compared to revised budget by \$500K unless External Construction on 150 PSIG Project starts in Q4. Delays were experienced in procurement process.
	<b>DIMP - Gas Risk Based Projects (293182)</b> Address risks identified by the DIMP Program that do not fit in the Bare Steel, Coated Steel, 150 PSIG System and Vintage Plastic replacement programs. These risks are primarily identified by SME information and failure data. The gas distribution integrity management regulations require natural gas distribution companies, to develop, write, and implement an integrity management program that identifies and implements measures to address risks.	Mark Peters	On-Going Program (Design & Construction)	Ongoing	Ongoing Annually Since 2020	\$0.76M	➡	➡	Budget expected to be fully spent on individual service renewals.
	<b>DIMP - Gas 150P System Renewals (293179)</b> Identify and replace the highest risk 150 PSIG main segments with more modern coated steel piping. The gas distribution integrity management regulations require natural gas distribution companies, to develop, write, and implement an integrity management program that identifies and implements measures to address risks. The 150 PSIG system consists of the highest-pressure mains in the distribution system. Because the pressure is higher the consequence of failure is higher and poses a greater risk to the safety of our customers if left unmaintained.	Mark Peters	On-Going Program (Design & Construction)	Ongoing	Ongoing Annually Since 2020	\$6.7M	➡	⬇	150 PSIG system renewals expected to be underspent by \$200K. DIMP Portfolio projected underspent compared to revised budget by \$500K unless External Construction on 150 PSIG Project starts in Q4. Delays were experienced in procurement process.
	<b>Marksheffel Connector GPAP expansion (293170)</b>								

Service	Project/Program (Activity #)	Project Manager	Current Phase	Project Schedule (Start/Stop Dates)	Total Project Budget	2024 AAFP	Schedule Performance	Budget Performance	Comments
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	Increase the capacity of existing Propane Air Plant (PAP) from 1,800 dekatherm/hour to 2,400 dekatherm/hour by installing three additional air compressors.	Mark Munoz	Construction	Q2 2024- Q1 2025	\$7,479,758	\$4.2M			Construction began July 2024 to be mechanically complete by Jan 2025, and substantially complete in 2025 after testing and integration.

Service	Project/Program (Activity #)	Project Manager	Current Phase	Project Schedule (Start/Stop Dates)	Total Project Budget	2024 AOFB	Schedule Performance	Budget Performance	Comments
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	<b>Gas Unplanned Maintenance (293183)</b> Complete emergent gas distribution maintenance projects that cannot be planned within the normal budget cycle. Projects may include renewals due to leaks, excavation damages and cathodic protection system failures. Federal Regulations require prompt remedial action for correcting these deficiencies. Typically, prompt remedial action is within one calendar year. Response to city improvement projects may also be performed within this program. Program scoping is based on a historical trend of past program activity.	Mark Peters	On-Going Program (Design & Construction)	Ongoing	Ongoing Annually Since 2020	\$1.7M			Unplanned Capital Renewal Work due to Leaks, repair when damage occurs, etc.
	<b>New Gas Propane Air Plant (293166)</b> Design and construct an additional Propane Air Plant identified by the 2020 Gas Integrated Resource Plan (GIRP) needed for peaking capacity in the mid to late-2020s.	Mark Munoz	SAA	Q1 2024 - Q2 2029	\$52,892,867	\$0.7M			Project has been canceled as the timing for this project no longer exists as we contract for an additional source of Natural Gas to the City.

	<b>Finished Water Linear Asset Program (394744)</b> Renew degraded and aging finished water infrastructure through various methods, minimizing current and future water main system failures, and delivering safe, reliable drinking water along with fire protection to our customers. Colorado Springs Utilities has over 2,100 miles of transmission and distribution water mains that we serve. The program plan for 2024 is to rehabilitate approximately 50 miles of this pipeline using Condition Assessment, Cathodic Protection, Design, Lining and Replacement.	Rockie Wiley	On-Going Program (Design & Construction)	Ongoing	Ongoing Annually; Ranging from \$11M-\$16M	\$16.1M			The Program is on track to deliver the 2024 planned projects within the current 2024 AFE. Note that the 2024 Capital Non-Labor AFE is currently \$16.1M and the approved Capital Labor AOFB budget for internal construction crews is an additional \$2.3M.
	<b>Highline Pressure Zone Extension and Redundant Supply (394749)</b> This project includes design and construction of 5.2 miles of 30", 24" and 12" water transmission and distribution main that will extend the Highline Pressure Zone of the potable water system further to the south to provide water service to the southerly portion of the Banning Lewis Ranch annexation area along with create a redundant water supply to the Colorado Springs Airport. The 2023 project plan is to continue to procure and store long-lead materials and have the design completed from the awarded design firm with an anticipation of pipeline construction to begin in the 4th quarter of 2024 and a final completion scheduled for end of 2026.	Rockie Wiley	Design	2020-2026	\$27.4M	\$7.0M			Construction is planned to begin Q4/2024 with a final completion of the project planned for Q4/2026. Utilities plans to phase the project over multiple years, and possibly utilize internal construction resources to minimize impacts on the Capital budget due to cost increases. Cost recovery is expected in future years when development occurs. Long lead materials are being delivered.
	<b>Public Improvement Projects -Water (380083)</b> Colorado Springs Utilities' share of water relocations, betterments and improvements as a result of Pikes Peak Rural Transportation Authority (PPRTA), City Capital Improvements Projects, El Paso County and Colorado Department of Transportation (CDOT) public improvement projects. 2024 public improvement water projects currently include Circle Dr. Bridges, Fontenaro and I-25 Bridges, Academy Blvd. Reconstruction, Galley and West Fork of Sand Creek, Reconstruction of Nevada Ave Storm Sewer Outfall, Marksheffel Widening, and Voyager over SH-21.	AJ Wertz	On-Going Program (Design & Construction)	Ongoing	Ongoing Annually; Ranging from \$2M-\$4M	\$4.0M			Program is on track to support partner program projects where utility relocations are required and/or that cooperatively benefit Colorado Springs Utilities infrastructure needs and to spend the approved AFE by the end of 2024.
	<b>Potable Water Pumping Station Replacement Program (394587)</b> Rehabilitate and/or replace pump stations, pump station equipment and systems to maintain reliable water service to our customers. Formal condition assessments have identified targeted replacement of PS Equipment and Systems.	Larysa Voronova	Design and Construction	Ongoing	Ongoing Annually	\$2.6M			There are three pump station projects with major activities in 2024, Point of the Pines (POP), Green Mountain Falls (GMF), and Lower Skyway.  POP : Pump Station was commissioned in September and is in service. Next steps: schedule demolition of two old pump stations.  GMF : New pump station is in service. All activities associated with this project have been completed.  Lower Skyway : 90% design review will occur before the end of the year. Development Plan has been submitted to the City for review; the first round of comments have been addressed and resubmitted to the City. Public meeting to discuss project occurred in October.

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Water Service	<b>Continental-Hoosier System Project (394345)</b> Permit a storage enlargement of 8100 ac-ft at Montgomery Reservoir to improve collection and conveyance management in the CHS system and increase the average annual yield delivered through the Blue River pipeline by 4000 ac-ft. The total storage capacity at Montgomery after the enlargement will be 13,800 ac-ft. The project is identified in multiple studies as a critical project to maintain reliability for current customers and at buildout of the City. Permitting activities extend through 2026 with construction in 2027.	Dave Mason	Permitting/Preliminary Design	2019-2030	\$203M	\$3.0M	↓	↓	30% Design is on track. Projected spend for permitting and design this year is approximately \$700K over 2024 AAFP, but overall projected cost has not changed.  Preliminary Q4 update: A recent legal decision could have cost and schedule implications to the project. Project team will be evaluating and will update next meeting.
	<b>Potable Water Tank Refurbishment / Replacement Program (394575)</b> Prioritize, refurbish and/or replace tanks and appurtenances to provide uninterrupted water delivery. The program addresses issues found during periodic condition assessment, inspections, and maintenance activities of the water distribution systems 43 potable water tanks. Each tank project ensures potable water distribution storage, fire protection and pump station suction storage to the water distribution system. 2024 includes: Cedar Heights 3 Tank, and Austin Bluffs 5-million-gallon tank.	Bryan Gimbel	Design and Construction	Ongoing	Ongoing Annually	\$1.9M	→	→	<b>Cedar Heights Tank 3:</b> Working with Procurement to solicit IFB for tank rehabilitation project. Anticipate construction phase in Spring 2025 <b>Wilson Tank:</b> Tank has been coated in Juniper Green and was placed in service on 6/29/2024. Demolition of old tank expected to occur before the end of the year <b>Austin Bluffs SMG Tank:</b> Decision was made to demolish and replace the existing steel tank. Design is out for procurement, anticipate getting design consultant onboard by 4th qtr. Design and Construction will occur in 2025 and 2026.
	<b>Specialty Valves Rehabilitation and Replacement Program (394651)</b> Implement the rehab/replacement of specialty valves in the water system, already identified, assessed and prioritized, to ensure safe and reliable water service to our customers. Work in 2024 includes: Academy Corridor, Phase 2 and Academy & Meadowland Valve Vault D/B design phase. 2025 includes: Construction of Academy & Meadowland.	Kyle Schelhaas	Design and Construction	Ongoing	Ongoing Annually	\$5.9M	→	→	<b>Academy Corridor Valve Replacement Project:</b> Phase 1 of the Project was completed in Q2 of 2023, Phase 2 was completed in Q2 2024. Overall, the project was completed two weeks early and was \$345K under budget. <b>Manitou Hydro Valve Replacement:</b> Construction was completed for the valve replacements in the facility in January 2024. Further pipeline repairs will be completed under a different project. <b>Academy and Meadowland Valve Vault Replacement Project:</b> The 100% Design will be completed by the end of the year, all Critical Materials are scheduled for delivery by January 2025 with Construction commencing in February 2025.
	<b>Homestake Suction Pipeline Replacement (394477)</b> Continued replacement of sections of the Otero suction pipeline. The 2008 Homestake Assessment Project detected circumferential and longitudinal cracks in the 66" Otero suction pipeline. These cracks pose a significant risk to the life of the nearly 50-year-old pipeline. Failure of this pipeline could lead to a failure in the obligation to serve, since the majority of Colorado Springs Utilities' raw water is transported through this crucial pipeline. Required for continued compliance with Excellence in Governance Policy I-6.	Dave Mason	Construction	Q1-Q2 Yearly-submittals and permits, Sept 1-October 31 Yearly-construction during outage	\$12M Construction Phase over 5 years (Utilities half is \$6M)	\$1.2M	→	→	This is year four of this five year project. 2024 work was substantially complete 10/16/24. Raising awareness regarding the budget performance as we made the decision to procure and pay for steel pipe coil required next year (= \$100k) shifting costs from 2025 to 2024 reducing risks of delay with pipe for 2025.
	<b>Homestake Collection System Pipeline Repair and Rehabilitation (394711)</b> Public Improvement Projects -Water (380083)	Dave Mason	Construction	August 1- October 31, 2022 through 2026	\$17M Construction Phase over 5 years (Utilities half is \$8.75M)	\$2.0M	→	↑	This is year three of five for the construction of this phased project. This was originally forecasted as a three year project, but was increased to five years based on bids received and projected market conditions. 2024's scope included debris removal inside of the pipe, abatement/removal of the existing interior coating system, and installation of the new coating system for the French/Fancy section of the collection system. Work should be substantially complete for the year by the end of October.  Cost is projected \$60k over AAFP after having to add an additional manhole and higher paint quantities to properly cover some heavily pitted areas of pipe. Previously projected additional footage was not realized.
	<b>WOLF Pressure Zone Interconnection, Phase 1 (394652)</b> Extend a 24" and 16" pipeline approximately 3.8 miles from Old Ranch Road and Powers Boulevard to the Highway 83 PS. This is a vulnerability identified in the 2016 FWSP, reviewed and modified in the 2021 FWSP. This extension will 1) increase reliability, 2) reduce pumping requirements at the Northgate PS, extending its useful life without capacity increases and 3) provide the emergency connection between two independent Briargate Pressure Zones.	Andy Muser	Design	10/2023-4/2027	\$22M	\$1.7M	↓	↓	Design RFP published in April, contract set to be executed by the end of October.

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	<b>Water Acquisition - Temporary Use Waters (394683)</b> Develop new water sharing projects or alternative transfer methods (ATMs) to acquire temporary use waters. ATMs have been identified in the Integrated Water Resource Plan (IWRP) as a key component of a Balanced Portfolio. Acquiring new water supplies through ATMs in the near-term is essential for mitigating risks from drought and administration of water rights associated to other sources of supply. Acquiring new water supplies through ATMs is essential for long-term water resource development to serve the city through buildout.	Kim Gortz	Planning	Jan 1- Dec 31, 2024	\$6.8M	\$6.8M	→	→	\$2.5 M Bent County Mitigation Payment \$3.5 M in acquisitions \$.8 M legal
	<b>LVSRRF East Non-potable Reservoir Floor Replacement (394498)</b> Replace the concrete liner for the Las Vegas Street Wastewater Resource Recovery Facility (LVSRRRF) east non-potable water reservoir basin. The basin is experiencing significant spalling and cracking of the concrete surface. The project design to replace the concrete liner was completed in 2018 based on findings from the 2017 engineering study and alternatives analysis. Phase 1 of the east non-potable water reservoir replacement construction commenced Q4 2023 with a phase 2 completion in 2024.	Mike Lovato	Complete	August 1, 2023 - April 26th, 2024	\$2.4M	\$2.4M	→	→	Project is complete. Finishing up closing contract with procurement for the engineering services.
	<b>N. Slope - South Catamount Dam Rehabilitation (394696)</b> Rehabilitate the steel upstream face of South Catamount Dam to include cleaning, removal of corrosion scale, repair of the facing as required, rehabilitating cathodic protection, applying an appropriate coating (polyurethane or epoxy), and repair of damaged concrete at the plinth and groins. The project will rehabilitate the outlet works to minimize risk and maximize reliability and repair as well as the dam face and appurtenant structures, increasing useful life of the asset, and minimizing dam safety risk.	Larysa Voronova	Design	1/2023-12/2025	\$19M	\$10M	→	→	The work is continuing as planned. General contractor is working on preparing the tunnel for hydraulic line installation, pipe installation and tunnel grouting. This work will continue through the winter. Major activities for 2025 - pipe replacement near Crystal reservoir, completion of valve house construction, and 1936 spillway replacement. Coating contractor is ~50% complete with blasting and re-coating of dam face. 2024 season goal is 60% completion, they are on track to reach this goal. They will wrap up their operation for 2024 by the end of October to come back May-June 2025.
	<b>Ruxton 24 and 30" Raw Water Main Replacement/Rehabilitation" (394790)</b> In support of the City of Manitou Springs Ruxton Avenue Infrastructure Improvement Project, Colorado Springs Utilities is currently evaluating relocation of one 24-inch and one 30-inch raw water line extending within the current Ruxton Avenue extents. Design work is being coordinated through JR Engineering in collaboration with the City of Manitou Springs overall project design, with overall project scope recommendations being collaborated with Utilities' operations division. Water main relocation and/or rehabilitation work is currently scheduled to occur between 2024 and 2027.	Rockie Wiley	Design	1/2023 - 12/2027	\$7.0M	\$0.0M	→	→	The design team is currently getting potholes to move the design to 30%. The city of Manitou is also driving the schedule for design and construction due to constraints in this area, balanced with tourism. We will have the design and be ready for construction Q4-2025. A new Inter-governmental agreement is being developed between City of Manitou and City of Colorado Springs for this project.
	<b>Homestake Operator Housing Replacement (394738)</b> Demolition and new construction of the 2nd caretaker house, to be performed in 2024. The Homestake Operator Housing is old and in declining condition. Both houses were constructed in the early 1960's using aluminum electrical wiring and asbestos ceiling texture. Due to limited space, both existing houses have/had to be demolished prior to their replacement at the same location.	David Mason	Construction	5/24/23 Start- 8/31/24 Substantial Completion	\$1.5M	\$0.8M	→	→	House 1 substantial completion was February 22, 2024 . House 2 is wrapping up and should be substantially complete by mid-November. 2024 cost is forecasted to be \$175k under AOF.
	<b>Homestake Suction Line Debris Screen (394740)</b> Construct a log boom in Twin Lakes Reservoir to capture debris before it reaches the pipeline and Otero Pump Station. The Homestake suction pipeline draws water from Twin Lakes. All debris, that makes its way into the pipeline, ends up in the pumps at the Otero Pump Station. Once the pump efficiency is reduced, the pump must be shut off, pulled, and cleaned. This can affect multiple pumps multiple times during the year. Any debris that makes it through the pumps will end up in the valves at the Spinney Mountain Tap which requires further cleaning and pumping rate reduction.	David Mason	Design / Construction	1/1/2024 start- 9/29/24 Complete	\$0.5M	\$0.5M	→	→	It was determined that a log boom is not viable. Project put on hold and there is no spend projected for this year. There is an option to screen the pipe at a bifurcation point in the United States Bureau of Reclamation (USBR) Twin Lakes Outlet Structure. Discussion with the USBR is that they are not thrilled with adding this, and extensive modeling and studying would need to be done for them to even consider this approach. We are not going to pursue this study at this time.
	<b>Ute Pass WTP Improvements Program (394691)</b> Provide for long term improvements for the Ute Pass WTP. Phase 1 initiates the design of sodium hypochlorite disinfection and soda ash chemical feed system. The Studies and Alternatives Analysis was completed in 2022.	Jeff Courtright	Construction	10/2022-6/2025	\$1.7M	\$0.3M	↓	↓	Design is complete. Construction bids came back more than 2x estimate. Design is being revisited to find cost savings, little of the remaining 2024 budget will be spent, still expect to spend 2025 budget.

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Wastewater Service	<b>Sanitary Sewer Creek Crossing Collection System Rehab/Replace Program (495253)</b> Evaluate, protect, and rehabilitate sanitary sewer pipelines that cross creeks and drainages in Colorado Springs Utilities' service area, while at the same time providing stream stability and reduced erosion and sedimentation. Funds are budgeted according to a 2016 IGA commitment and related Executive Agreement and reported annually to the City of Colorado Springs. In 2024, two large-scale projects are planned to continue and/or commence to meet Utilities \$3.3M 2024 Stormwater IGA commitment.	Mike Lovato	On-Going Program (Design & Construction)	2008 to 2036	\$69M (2016-2035)	\$3.3M			The SSCC Program is on track to meet Utilities \$3.3M 2024 Stormwater IGA spending commitment. Construction of the large Monument Creek at Monument Street channel improvement project commenced in October 2023 and will be completed in 2024. Sand Creek Upstream of Constitution will commence mid September 2024 and will likely be completed by the end of 2024.
	<b>Northern Monument Creek Interceptor (495356)</b> Install approximately 8.5 miles of 30" pipe and appurtenances from the southern edge of the US Air Force Academy to the Upper Monument Creek WWTF just outside of the northern edge of the Academy. This project will enable Colorado Springs Utilities to eliminate at least one lift station in the near term and allow the flexibility to eliminate more in the future. It will accept wastewater flows from two sanitation districts north of Colorado Springs.	Andy Muser	Design	2023 - 2027	\$37.2M	\$1.5M			30% design is complete in Sep 2024 design is paused for senior management to assess whether the project moves forward. NEPA public process is complete; USAFA signed all the documentation in Aug 2024. Design Cost Sharing Agreement was finalized in October 2022 with two northern sanitation districts (Forest Lakes and Triview).
	<b>Local Collectors Evaluation and Rehabilitation Program (LCERP) (495121)</b> Determine the condition of every sanitary sewer pipeline less than 10" in diameter and place them on a rank based priority schedule to be re-inspected or rehabilitated. The Local Collectors Evaluation and Rehabilitation Program (LCERP) is multi-year program entering the 20th year of implementation. LCERP has rehabilitated over 3100 individual line segments totaling approximately 167 total miles. 2024 LCERP will rehabilitate approximately 30,000 feet pipe. LCERP is considered a condition of the 1041 Permit by Pueblo County for the Southern Delivery System. line less than 10" in diameter and place them on a rank based priority schedule to be re-inspected or rehabilitated. LCERP has rehabilitated over 3100 individual line segments totaling approximately 167 total miles. 2024 LCERP will rehabilitate approximately 30,000 feet of pipe. LCERP is considered a condition of the 1041 Permit by Pueblo County for the Southern Delivery System.	Rockie Wiley	On-Going Program (Design & Construction)	2004-Ongoing	Ongoing Annually	\$3.9M			LCERP Program is on track to deliver the 2024 planned work within the current AFE.
	<b>LVSRRF Aeration System Modifications (495307)</b> Multi-year effort to upgrade the Aeration System which supports wastewater treatment in the five basins at the Las Vegas Street Water Recovery Facility. Critical components of the existing aeration system have reached the end of their useful life, reducing system performance. This project includes completion of design, then two years of construction and rehabilitation of the aeration air delivery system and will allow Colorado Springs Utilities to meet current and future flow and load conditions and comply with upcoming discharge regulations.	Andy Muser	Construction	2022-2026	\$14.3M	\$3.3M			Design is complete. Construction contract was awarded July 2024; work is scheduled to start on the first of five basins by January 2025 after contractor mobilization and submittal approvals.
	<b>Clear Springs Ranch WRRF Electrical Upgrades Project (495343)</b> This project would allow us to complete a holistic improvement on the electrical feed, switchgear, power distribution and electrical and instrumentation systems on the digestion facility. A majority of the equipment, wiring and conduit to be replaced have been in service since 1985 and are past the end of their useful life. Construction activities were kicked off in Q3 of 2023 and are anticipated to last through early 2025.	Andy Muser	Construction	2022-2025	\$11.6M	\$5.4M			Site work underway; control panel factory acceptance testing complete and delivered in Feb 2024. Programming workshops for new plant control system continue. Start-up and commissioning of first of six commissioning blocks scheduled for November and December of 2024.
	<b>LVSRRF Replace Gates at Primary Clarifier (495412)</b> Replacement of the Las Vegas Street Water Recovery Facility isolation gates feeding the primary clarifiers. Some of the current gates have corroded entirely through and some of the gates need replacement of their seals. Some of the gate failures are catastrophic and one clarifier cannot currently be taken off-line for routine maintenance. The gates need to be replaced to allow for operational flexibility.	Jeff Courtright	Construction	Q4/2022- Q2/2024	\$2.9M	\$0.9M			Installation of outlet gates will occur in 2026.

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	<b>Public Improvement Projects - Wastewater (480015)</b> Colorado Springs Utilities' share of water relocations, betterments and improvements as a result of Pikes Peak Rural Transportation Authority (PPRTA), City Capital Improvements Projects, El Paso County and Colorado Department of Transportation (CDOT) public improvement projects. 2024 public improvement water projects currently include Circle Dr. Bridges, Fontanero and I-25 Bridges, Academy Blvd. Reconstruction, Galley and West Fork of Sand Creek, Black Forest Rd Reconstruction, Nevada Ave Storm Sewer Outfall, Marksheffel Widening, and Voyager over SH-21.	AJ Wertz	On-Going Program (Design & Construction)	Ongoing	Ongoing Annually; Ranging from \$800K-\$1.5K	\$0.8M	→	→	Program is on track to support partner program projects where utility relocations are required and/or that cooperatively benefit Colorado Springs Utilities infrastructure needs and to spend the approved AFE by the end of 2024.
	<b>JDPWRRF Diversion Structure (495365)</b> Improve the current diversion structure so that the existing gates, which are inoperable due to corrosion, can be operated and wastewater flows controlled and managed. This project is necessary to efficiently divert and manage flows to and from JDPWRR and the Las Vegas Wastewater Treatment plant and needs to be completed before the Northern Monument Creek Interceptor is fully operational. Construction and project completion are scheduled in 2024.	Andy Muser	Construction	10/2021-11/2024	\$2.6M	\$2.2M	↓	↓	Project is 98% complete; only testing and commissioning of instrumentation and controls systems remains. Project will be closed-out in November 2024.
	<b>LVSWRRF Influent Junction Box Replacement (495363)</b> Provide for the rehabilitation and/or replacement of various components of the Las Vegas Street Water Recovery Facility influent infrastructure, to include pipes, manholes, gates, junction boxes, a new diversion structure, and odor control.	Andy Muser	Design	8/2022-12/2027	\$16.6M	\$1.2M	→	→	Design contract awarded and underway; 60% design complete in September and 90% to be delivered in November. Working with Procurement to publish RFP for construction contractor.
	<b>LVSWRRF Sludge Pump Replacement (495309)</b> Replacement of the Las Vegas Street Water Recovery Facility blended sludge pumps that are used to pump the solids from the Las Vegas Street Water Resource Recovery Facility to the Clear Spring Ranch Resource Recovery Facility. The pumps are approaching end of life and will be replaced with newer models that are sized to provide service during their anticipated 20-year design life.	Michael Chappell	Design	6/2022-10/2026	\$3.9M	\$800,000	→	→	60% design is complete. RFP for CMGC expected in Q4 2024. Ordering of blended sludge pumps to occur in Q4 2024 (52 week lead time).

	<b>Advanced Metering Infrastructure (AMI : 193691, 293167, 796649, 394669 )</b> The Advanced Metering Infrastructure project involves upgrading our fleet of meters, across our entire customer base, with new electric meters and installing new hardware on our natural gas and water meters. This project updates technology and enables two-way communication.	Gina Smith	Design & Construction	7/1/2019 to 7/31/2025	\$81.6M	\$23.0M	→	→	Installation for all commodities (electric, gas, and water) are in the execution phase. Utilities and contractors scope of work is tracking to be completed end of Q4 for 100% electric and gas. Water (~55k) will continue into 2025 with a anticipated completion date of no later than Q3 2025. To date, 86% of the system has been upgraded to AMI: electric = 267,195 gas = 221,539 water = 77,075 and 94% of Network has been installed.
	<b>Financial System Upgrade (Infor V11-3Q22)* (596678)</b> Upgrade Lawson to Infor latest version in cloud. This will migrate all finance, HR and some supply chain existing and new functionality to Infor. Phase 1: Upgrade existing HR & finance functionality from Lawson to Infor Cloud, planned go-live in July 2024. Phase 2: Implement new HR and finance modules in Infor Cloud, planned go-live in Q2/Q3 2025. Phase 3: Implement supply chain and finance -related modules, in coordination with the Enterprise Asset Management System (Maximo) upgrade project, schedule TBD.	Lindsay Martin	Construction	Q3/2022 - Q2/2024	\$8.6M	\$1.3M	↑	→	Phase 1 Project Go-Live was successful on July 15, 2024. Post go-live support and activities will occur during Q3 2024.
	<b>Computerized Maintenance Management System (CMMS) Upgrade (596710)</b> Update work management system. This program will have two components 1) technology upgrade to Maximo version 7.6; and 2) full work management upgrade to meeting Colorado Springs Utilities' current and future needs.	Jeff Trujillo	Initiation	Q1/2024 - Q4/2027	\$12M	\$5M	→	→	2024 budget revised to \$168,000 capital in March of 2024. 5 year budget forecast updated in PPTS to reflect current project budget and schedule.

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**Legend for Chart:**

- Within plan 
- Raised awareness 
- Outside plan 
- Cost / Schedule is trending to plan 
- Improving performance trend since past quarter 