



Mountain Regional Water

Signal Hill Water Treatment Plant Optimization Project
Summit County Council Presentation

August 26th, 2026



System Metrics



Approximately
6,067 connections

Standby
Customers: 848

Area:
approximately
38 square miles

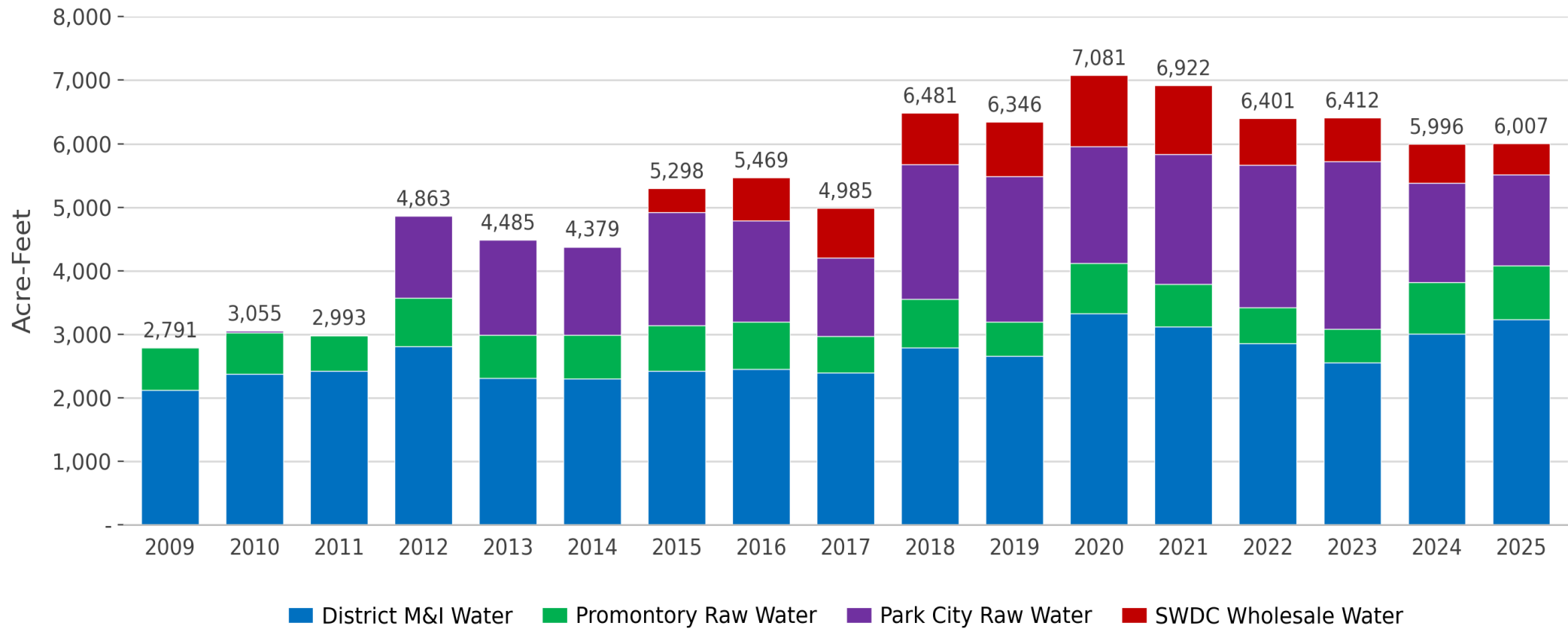
6.3 million gallons
of drinking water
delivered on peak
day

9,200 GPM
capacity at Lost
Canyon pump
station

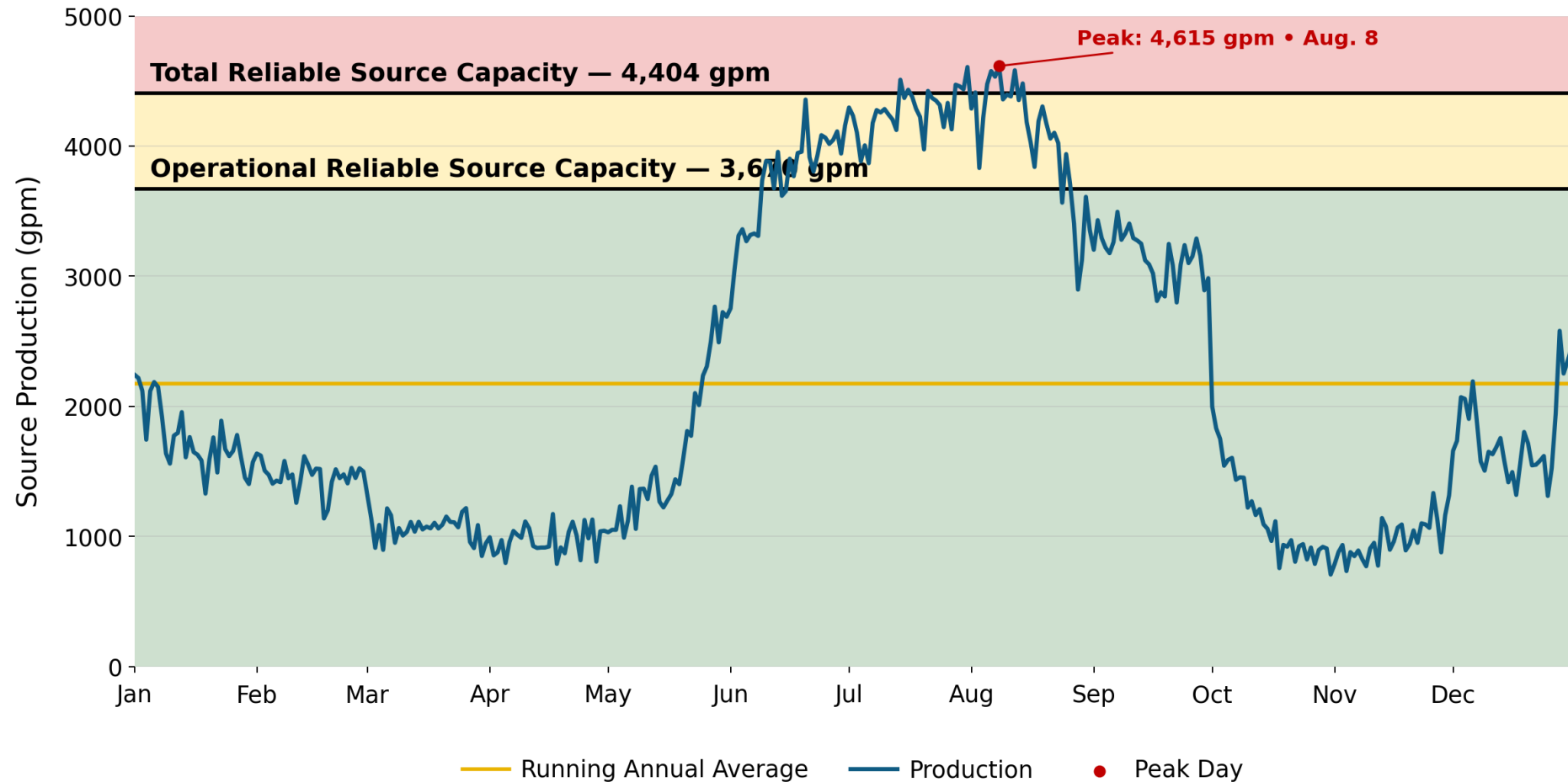
2.6 MGD surface
water treatment
capacity

- Interconnections
 - Regionalized many independent water systems
 - 7 emergency/wholesale with other water agencies
- Infrastructure:
 - 16 groundwater wells
 - Over 250 miles of pipe
 - 12.5 MG drinking water storage
 - 8.9 MG raw water storage

Water Production over Time

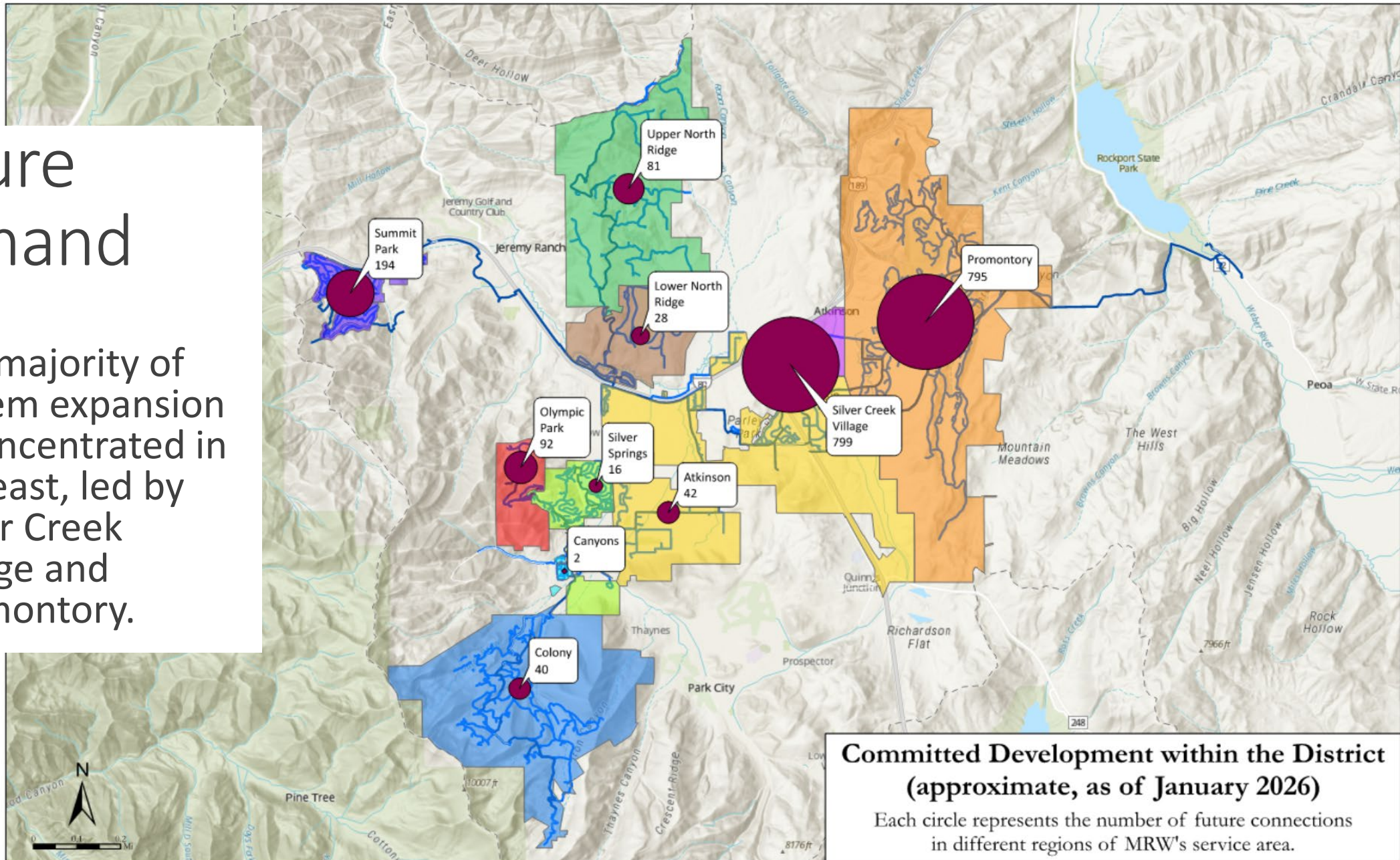


2025 M&I Source Production



Future Demand

- The majority of system expansion is concentrated in the east, led by Silver Creek Village and Promontory.



Project Information and Update



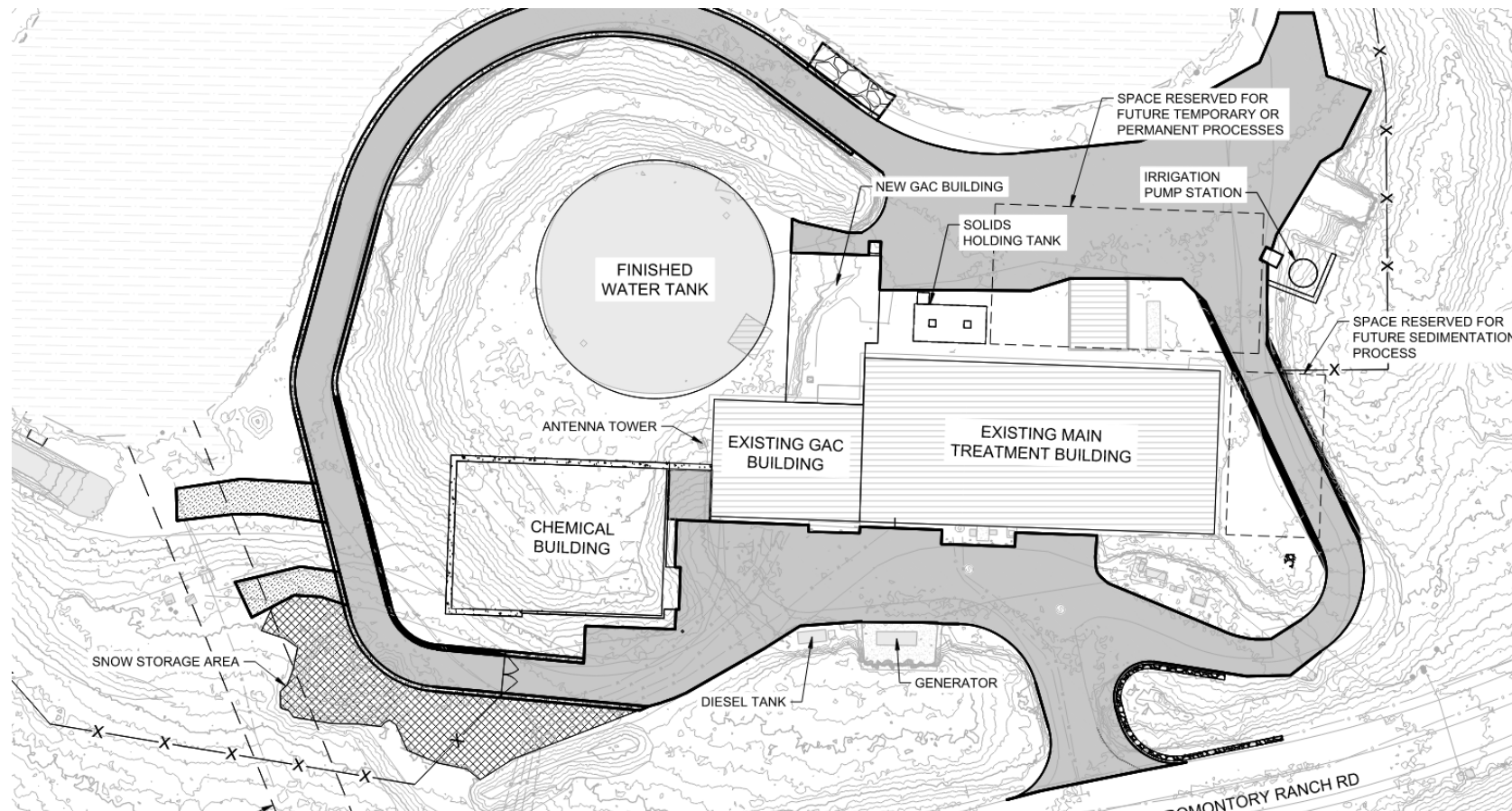
Project Objectives



- Meet increased demand
- Fully utilize Lost Canyon water
- Meet water quality objectives
- Increase safety
- Improve operations & maintenance
- Provide reliability/redundancy
- Future resilience (e.g., regulatory changes, wildfire, etc.)
- Capital and O&M costs



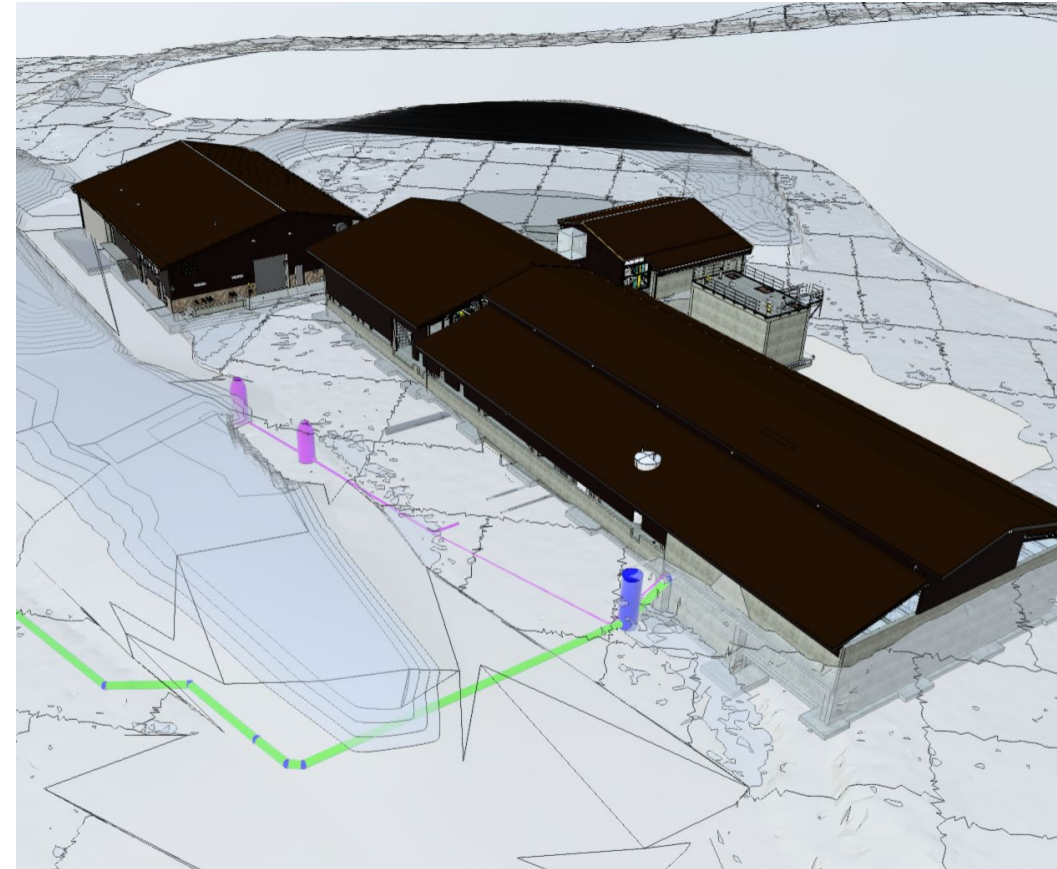
Proposed Project Layout



90% Design Update

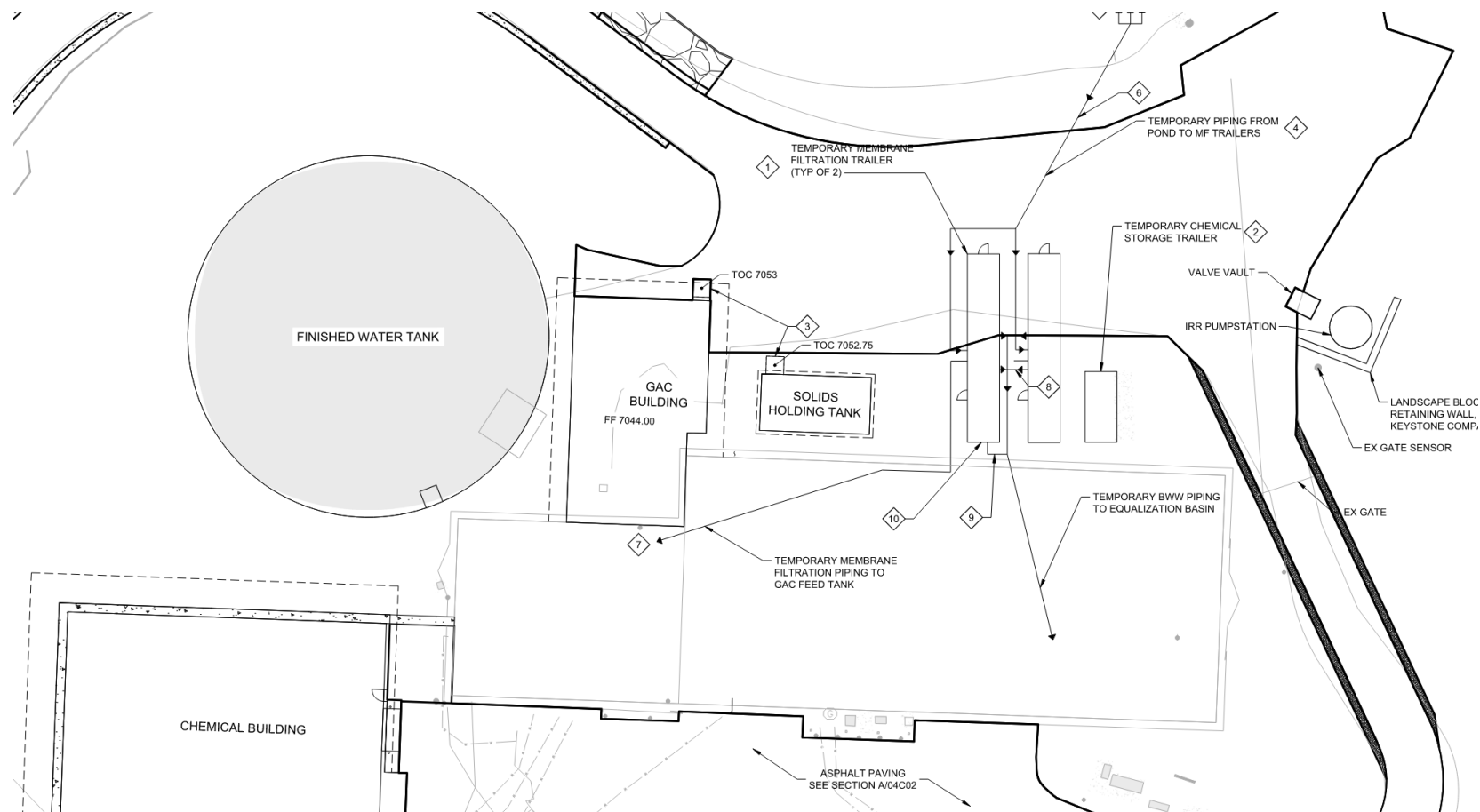


- The project objectives and overall treatment approach **have not fundamentally changed**; the design has advanced from planning-level concepts to construction-level detail.
- **Electrical:** detailed design replaced conceptual allowances.
- **Site conditions:** geotechnical work better defined rock excavation and shoring.
- **Constructability:** piping, plant modifications, and temporary treatment were fully developed.

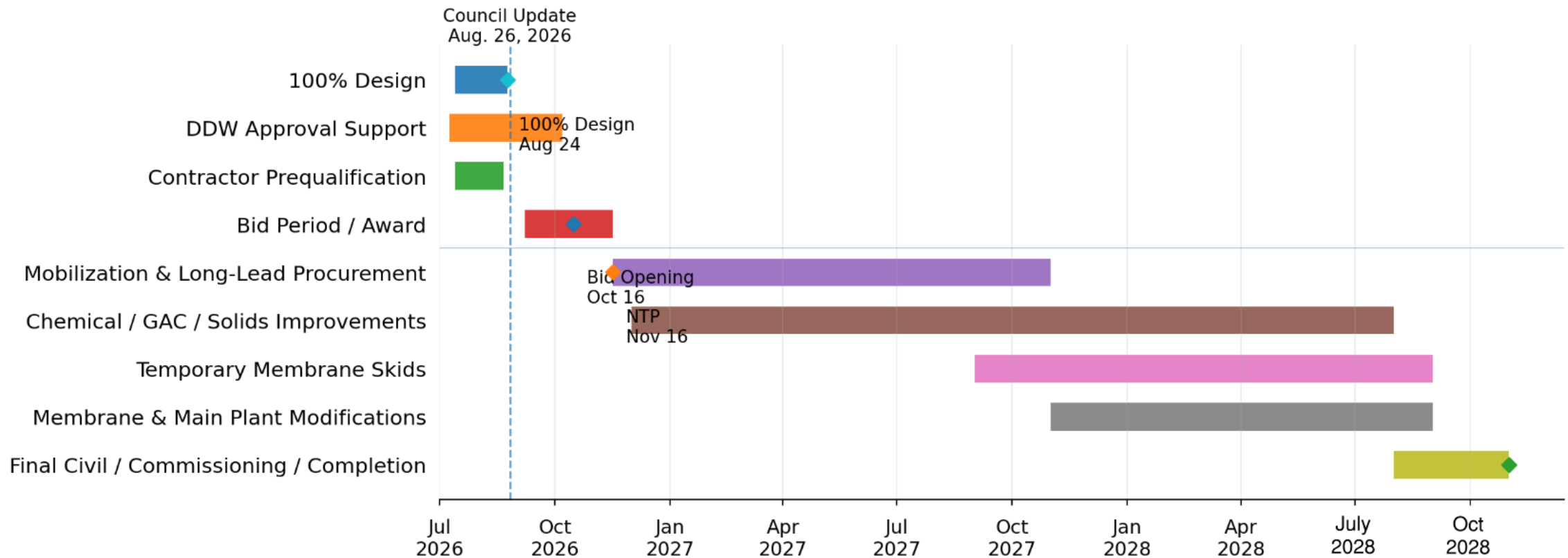




Temporary Membrane Trailers



Project Schedule



Previous construction estimate from Carollo Engineers, Inc.

No.	Description	Total
01	Flash Mix and Flocculation	\$895,000
02	Direct Filtration and Membrane Wet Well	\$120,000
03	Membrane Filtration	\$15,125,000
04	GAC	\$4,466,000
05	Chemical Building	\$8,996,000
06	Solids Handling	\$4,719,000
07	Other Civil	\$1,047,000
	TOTAL CONSTRUCTION COST	\$35,368,000
	Pre-Design/Design Fee	\$3,501,993
	Assumed Construction Management Fee	\$2,900,000
	Assumed SBWRD Impact Fee	\$500,000
	TOTAL COST	\$42,269,993

90% Design
construction
estimate from
Carollo
Engineers, Inc.

No	Description	Rate	Total
01	General Conditions		\$ 3,180,198
02	Duration Equipment		\$ 3,959,887
03	Sitework		\$ 3,377,953
04	Yard Pipe		\$ 1,452,609
05	Site Electrical		\$ 2,373,386
10	Treatment Bldg General*		\$ 2,755,090
20	Pretreatment/Wet Well/Solids		\$ 2,745,603
30	Membrane Filtration		\$ 10,987,968
40	GAC		\$ 5,949,790
60	Solids Holding Tank		\$ 2,698,885
70	Chemical Building		\$ 10,189,805
80	Irrigation Wet Well		\$ 1,152,455
	TOTAL CONSTRUCTION COST		\$ 50,823,629
	H2OI Design Support		\$ 275,000
	Pre-Design/Design Fee		\$ 3,800,000
	Assumed Construction Management Fee		\$ 3,150,000
	Assumed SBWRD Impact Fee		\$ 755,000
	TOTAL COST		\$ 58,803,629

Sources and Uses

<i>Previous Estimate</i>		<i>Updated Estimate</i>	
Description	Total	Description	Total
Total Project Cost	\$42,269,993	Total Project Cost	\$58,803,629
Additional Contingency	\$2,000,000	Additional Contingency	\$4,205,244
Financing Costs	\$320,000	Financing Costs	\$320,000
Other Costs Incurred	\$838,381	Other Costs Incurred	\$838,381
TOTAL COST	\$45,428,374	TOTAL COST	\$64,167,254
WIFIA LOAN	\$34,292,460	WIFIA LOAN	\$38,031,340
Division of Drinking Water Funding	\$2,000,000	Division of Drinking Water Funding	\$2,000,000
Other Costs Incurred	\$838,381	Other Costs Incurred	\$838,381
Impact Fees	\$2,300,000	Impact Fees	\$2,300,000
Additional District Cash	\$5,997,533	Additional District Cash	\$5,997,533
Direct Placement Bond	\$0	Direct Placement Bond	\$15,000,000
TOTAL SOURCES	\$45,428,374	TOTAL SOURCES	\$64,167,254

WIFIA Update

- Loan closed March 12, 2026
- Authorized amount to borrow is \$38,031,340
- No draws have been made against the loan yet.
- First draw planned for either 4th quarter 2026 or 1st quarter 2027
- Interest rate set at 4.88%
- Interest rate can be reset once before the first draw is taken

Direct Placement Plan

- Work with Zions Public Finance (Brian Baker) and Gilmore Bell to facilitate placement
- Requesting bids from multiple institutions
- Parameters allow for \$20 million, plan is for \$15 million
- TIC (True Interest Cost) estimated at 4.75%
- 20-year amortization
- Can be refunded (refinanced) at anytime

Rate Increase Projections

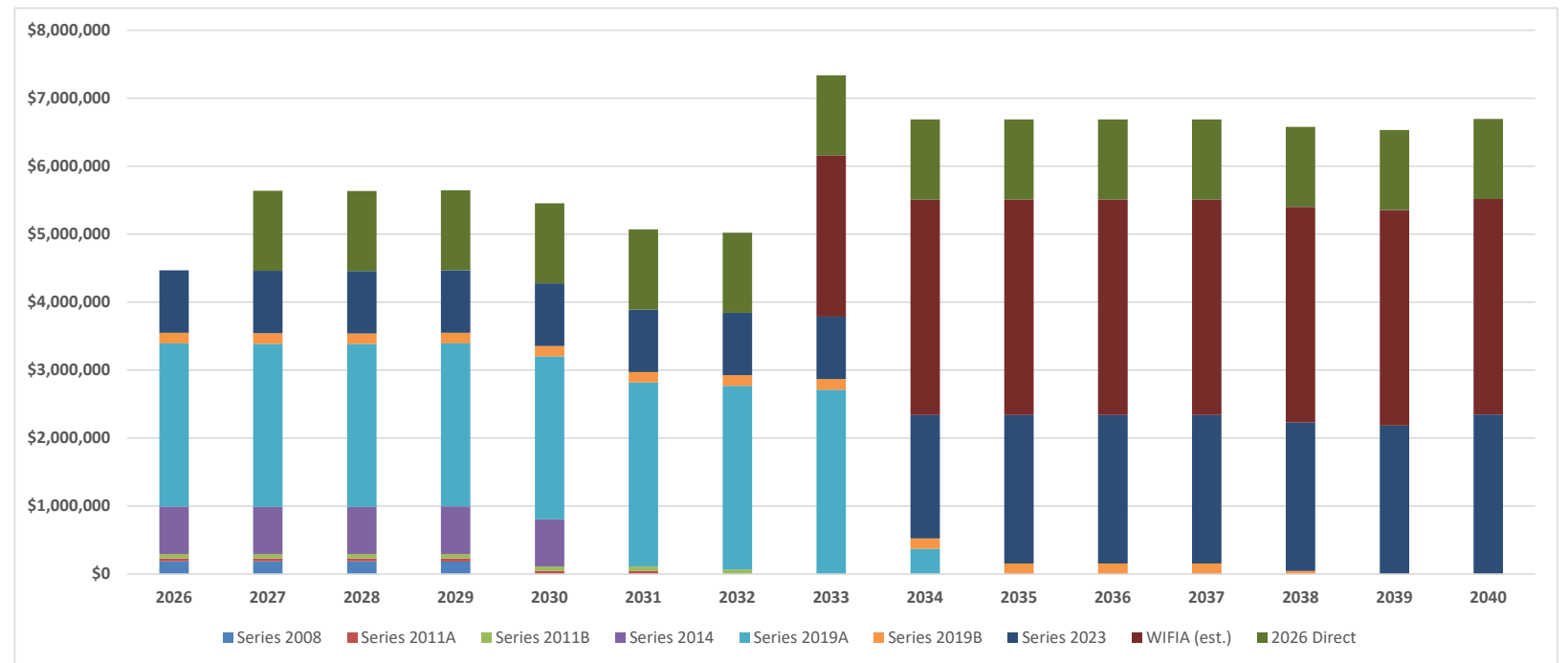
- Previous rate increase projections
 - 2027 through 2033: 3%-5%
 - 2034: 8%-9%
 - 2035 through 2040: 4%-6%
(assumes normal inflation/cost increases)
- Updated rate increase projections
 - 2027: 7%-9%
 - 2028 through 2033: 3%-5%
 - 2034 through 2040: 4%-6%
(assumes normal inflation/cost increases)

Average Residential Customer Bill Estimate

Average Water Bill Estimate							
	2026 est.	2027 est.	2028 est.	2029 est.	2030 est.	2031 est.	2032 est.
Rate Increase		8%	4%	4%	4%	4%	4%
Average Monthly Water Bill	\$155.42	\$167.86	\$174.57	\$181.55	\$188.81	\$196.36	\$204.21
Monthly Increase		\$12.44	\$6.71	\$6.98	\$7.26	\$7.55	\$7.85
Annual Increase		\$149.28	\$80.52	\$83.76	\$87.12	\$90.60	\$94.20

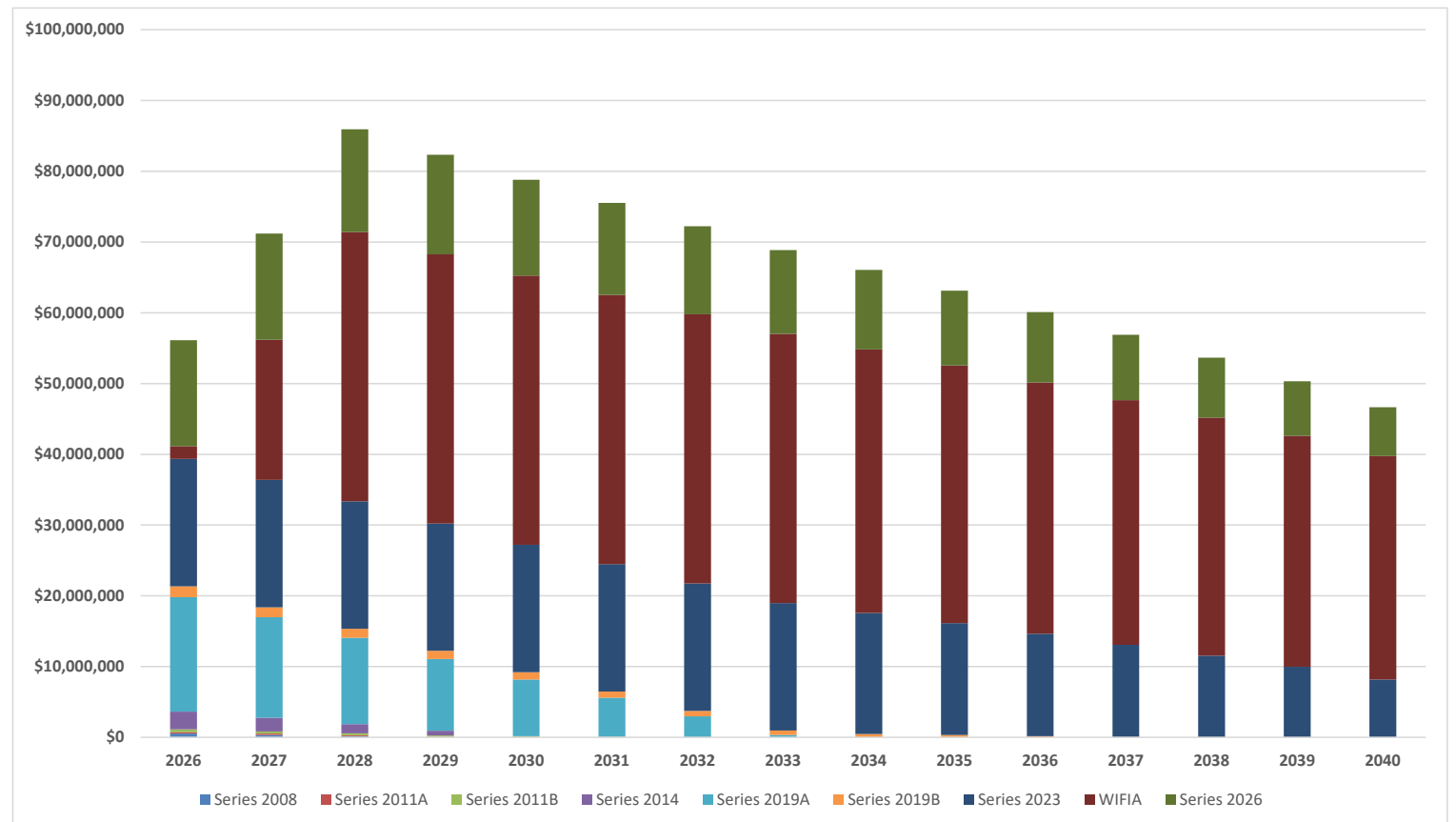
Annual debt payments

- 2033 currently forecasted to have the highest annual debt payments at \$7.34 million
- 2026 debt payments total \$4.47 million



Total Parity Debt

- Parity debt to begin 2026 was \$39.34 million
- Parity debt forecasted to hit its high point in 2028 at \$85.92 million



Timeline

- August 26th – Council meeting to adopt Parameters Resolution
- September 16th – Council meeting for Public Hearing
- October 15th – Bid opening for treatment plant expansion
- October 16th through December 15th – Close Direct Placement
- October 2026 through January 2027- Work on updating Impact Fee Facilities Plan and Impact Fee Analysis



Questions?

