



MEMORANDUM

TO: Board of Directors
FROM: Brian Thompson, Government Affairs Supervisor
DATE: October 18, 2024
RE: October 24, 2024, Board Meeting

This memorandum shall serve as notice of a Regular Meeting of the Board of Directors of the Eagle River Water & Sanitation District:

**Thursday, October 24, 2024
12:00 p.m.**

This meeting will be held at:

Walter Kirch Room
Eagle River Water & Sanitation District Vail office
846 Forest Road
Vail, Colorado

The meeting can also be accessed on Microsoft Teams. Login information can be requested by sending an email at least 24 hours in advance to info@erwsd.org.

Input from members of the public is welcomed during the meeting's designated Public Comment period consistent with § 18-9-108, C.R.S. Speakers may address the Board on a first-recognized basis by the Chair. Public Comments are limited to three minutes per speaker on relevant matters not listed on the agenda.



BOARD OF DIRECTORS REGULAR MEETING

October 24, 2024

12:00 p.m.

Walter Kirch Conference Room

AGENDA

- | | <u>Attachment Link</u> |
|---|-------------------------------|
| 1. Introductions | |
| 2. Public Comment | |
| 3. Public Hearing Concerning FY 2025 Proposed Rates and Fees | |
| 3.1. Updated Proposed 2025 Budget Memorandum | Informational |
| 3.2. Res. No. 2024-07: Resolution Increasing Certain Water & Wastewater Service Rates & Fees | Action Item |
| 4. Public Hearing Concerning FY 2025 Proposed Budget | |
| 4.1. Res. No. 2024-08: Resolution to Adopt 2025 Budget | Action Item |
| 4.2. Res. No. 2024-09: Resolution to Appropriate Sums of Money | Action Item |
| 4.3. Res. No. 2024-10: Resolution to Set Mill Levies | Action Item |
| 5. Action Items | |
| 5.1. Minutes from September 26, 2024, Regular Meeting | Action Item |
| 5.2. Contract Log | Action Item |
| 5.3. Timber Ridge redevelopment water rights dedication | Action Item |
| 5.4. Updated fund balance policy | Action Item |
| 5.5. Updated Employee Home Ownership Program (EHOP) Guidelines | Action Item |
| 6. Work Session: Board Compliance Training | Informational |
| 7. Information Reports | |
| 7.1. Board committees | Informational |
| 7.2. Authority August meeting summary | Informational |
| 8. Board Member Input | |
| 9. General Manager Report – Siri Roman | |
| 9.1. GM information items | Informational |
| 9.1.1. PFAS class action settlement update | |
| 9.1.2. Regulation #31: Basic Standards & Methodologies for Surface Water | Informational |
| 9.1.3. Organizational values | |
| 9.2. Business Administration report – David Norris | |
| 9.2.1. Quarterly financial report | Informational |
| 9.3. Operations report – Brad Zachman | Informational |
| 9.3.1. Wastewater master plan update | Informational |
| 9.4. Engineering and Water Resources report – Jason Cowles | Informational |
| 9.4.1. Bolts Lake update | Informational |

9.5. Communications and Public Affairs report – Diane Johnson

9.5.1. Proposed 2025 regular board meeting schedule

Informational

Informational

10. Water Counsel Report – Kristin Moseley

11. General Counsel Report – Kathryn Winn

12. Executive Session

12.1. Determining positions relative to matters that may be subject to negotiation, developing strategy for negotiations, and instructing negotiators regarding Battle North, pursuant to §24-6-402(4)(e), C.R.S.

13. Any Action as a Result of Executive Session

14. Adjournment



BOARD ACTION REQUEST

TO: Boards of Directors
FROM: Brian Thompson, Government Affairs Supervisor
DATE: October 18, 2024
RE: Public Hearing and Resolution Regarding Proposed 2025 Rates & Fees

Summary of Subject: On Oct. 24, the ERWSD and UERWA boards will each convene a public hearing regarding proposed 2025 rates and fees. Following the public hearing, each board will consider a Resolution to approve and adopt the proposed rates and fees.

Discussion and Background: ERWSD and UERWA must review its rates, fees, and charges periodically to ensure that rates support the costs of providing services. §32-1-1001(1)(j), C.R.S. For both entities, the proposed 2025 rates and fees are reasonably related to costs based on an analysis performed by ERWSD staff. The proposed 2025 rates and fees were supported by the respective board budget committee and presented to the full board at the Sept. 26 board meeting.

Entities providing domestic water or sanitary sewer services directly to residents and property owners must consider rates and fees at a public meeting held at least 30 days after giving notice of such meeting. §32-1-1001(2)(a), C.R.S. Public hearings on 2025 rates and fees will be held at the Oct. 24 board meetings. Notice of these public hearings was provided more than 30 days in advance through messages on customer billing statements, the District website, and the Special District Association's transparency notice, pursuant to §32-1-1001(2)(a)(II-IV), C.R.S. Although not required by statute, notice was also published in the Vail Daily and Eagle Valley Enterprise on Sept. 19.

At the public hearing, staff will present and answer questions from the board. The Chair will then ask for public input, which will be limited to three minutes per speaker. The Chair will then close the public hearing and ask the board to consider a Resolution to approve and adopt the proposed rates fees.

Attached to this Board Action Request is the updated 2025 Budget Memorandum, which includes the proposed rates and fees, as well as the Resolution, with rates and fees provided in its Exhibit A.

Legal Issues: This Resolution complies with applicable statutes.

Budget Implication: The rates and fees will be incorporated into the 2025 budget.

Recommendation: Staff recommends approval of the 2025 rates and fees as presented.

Suggested motion (UERWA): I move to approve and adopt Resolution 2024-05, Increasing Certain Water Service Rates & Fees, with its attached Exhibit A, as presented .

Suggested motion (ERWSD): I move to approve and adopt Resolution 2024-07, Increasing Certain Water and Wastewater Service Rates & Fees, with its attached Exhibit A, as presented

Encls.



M E M O R A N D U M

TO: Board Directors

FROM: David Norris, Director of Business Administration

DATE: October 16, 2024

RE: Proposed 2025 Budget

Introduction

An effective and efficient budget proposal is a team effort and a cross-collaboration between all department managers and staff. This budget season, we continued the hybrid approach of zero-based budgeting and looking at revenue first. Using a collaborative effort of a cross-departmental team to aide in developing the proposed 2025 District and Authority budgets, the attached draft budget packet includes the staff recommended budgets for 2025.

For the 2025 budget, the following are strategic priorities that will show throughout the budget material:

2025 District & Authority Budgetary Strategic Priorities:

Priority	Strategic Objective
1. Affordability, Debt, and Financial Health	<ul style="list-style-type: none"> • Set fund balance targets aimed to increase financial health & limit future bonding • Balance rates with fund balance targets and financial ratios • Implement new rate structures and impact fees playing a role in affordability for Multi-Family • Vail Water bond issuance to address deferred maintenance <ul style="list-style-type: none"> • Debt strategically leveled to 20 years <ul style="list-style-type: none"> • Focused on funds

<p>2. Preventive & Deferred Maintenance</p>	<ul style="list-style-type: none"> • Decision items align to strategies • O&M budgets aligned to focus on total asset costs • Investing annually in aging infrastructure to prevent future cost increases for asset maintenance • Aimed at reducing future bonding needs and keeping assets maintained sustainably
<p>3. Prioritize COLA/Merit and Benefits</p>	<ul style="list-style-type: none"> • Decision items align to strategy, focused on sustaining investment in staffing, reduce turnover, and support recruitment efforts

2025 District & Authority Operations Strategic Priorities:

Program	Strategic Objective
<p>1. Sewer Collection System</p>	<ul style="list-style-type: none"> • Initiate interceptor characterization and rehab (Avon & Vail) • Improve O&M metrics to meet industry standards • Add critical equipment redundancy • Upgrade equipment to improve emergency response capabilities • Initiate multi-year sewer rehab program
<p>2. Water Distribution System</p>	<ul style="list-style-type: none"> • Develop West Vail water main replacement strategic plan • Improve O&M metrics to meet industry standards • Complete major CRP projects in progress (Wildridge, Arrowhead, Beaver Creek)
<p>3. Staffing, Coordination, and Efficiency Improvements</p>	<ul style="list-style-type: none"> • Improve strategic planning capacity • Improve operation project coordination and execution • Provide staff resiliency, mitigate fatigue, and burnout risk
<p>4. Water Production & Storage</p>	<ul style="list-style-type: none"> • Initiate Vail Well R7 replacement design • Complete Vail Tank 4 rehabilitation • Complete Booth Falls emergency power project • Initiate EDWF improvements plan

	<ul style="list-style-type: none"> Complete ADWF electrical service evaluation
5. Wastewater Treatment	<ul style="list-style-type: none"> Complete EWW NUP design Complete VWW improvements (in progress)
6. Emergency Preparedness	<ul style="list-style-type: none"> Complete high priority improvements in Risk and Resilience Assessment (RRA) Improve RRA risk score
7. Asset Management	<ul style="list-style-type: none"> Proactively replace critical equipment and assets
8. Water Supply	<ul style="list-style-type: none"> Concerted focus on Bolts Lake design, NEPA, timelines and funding plans, balanced with fund strategies and timing of bonding

The budget schedule is largely driven by statutory requirements. Critical dates are:

- Oct 15: Draft Budget must be submitted to each Board (Section 29-1-105, CRS)
- Dec 15: Adopt Budget and appropriate moneys, if certifying a mill levy (Section 29-1- 108 (2, CRS)

Executive Summary

The largest takeaways from the budget subcommittee meetings and the associated materials are as follows:

- 17 proposed decision items with a combined budget impact of \$2,990,457.
- \$1,587,707 of the proposed decision items are related to personnel services.
 - 3 additional full-time equivalents
 - 4% COLA/ 2.4% Merit package
 - Wellness benefit increase from \$650 to \$700 per year, with an anticipated 125 employees participating in the program.

Request	FTE	Operating	Capital	Total
Field Operations – Field Operator	1	97,203	3,000	100,203
Operations – Project Manager II	1	188,420	3,000	191,420
Water Conservation – Systems Analyst	1	114,722	3,000	117,722
Cost of Living Adjustment		643,030		643,030
Merit Increase		385,818		385,818
Wellness Benefit Increase		6,250		6,250
On Call Improvements		143,264		143,264
Total	3	1,578,707	9,000	1,587,707

- Vail Water proposed water rates:
 - Commercial, Mixed Use, Multifamily:

Proposed Vail Water Use Rates



Commercial, Mixed Use, Multi-Family/Multiplier/Month

	Tier 1	Tier 2	Tier 3	Tier 4	Tier 5	Water Base Service	Wastewater Base Service
2024 Rate <i>(SFE Multiplier)</i>	\$3.70	\$6.72	\$13.28	\$27.67	\$41.51	\$39.11	\$62.04
CO & MU <i>(Meter Size)</i>	\$4.39	\$7.31	\$13.00	\$20.92	\$35.97	\$71.97	\$82.14
MX <i>(Meter Size)</i>	\$4.39	\$7.31	\$13.00	\$16.66	\$25.63	\$65.12	\$73.59
MF <i>(Meter Size)</i>	\$3.50	\$5.20	\$13.00	\$20.92	\$35.97	\$71.97	\$82.14

↑	↓	↓	↓	↓	↑	↑	
% Rate Change	+19% (CO, MX) -5% (MF)	+8.78% (CO, MX) -22.62% (MF)	-2.11% (CO, MX, MF)	-24.4% (CO, MF) -39.79% (MX)	-13.4% (CO, MF) -38.26% (MX)	+84% (CO, MF) +66.51% (MX)	+32.4 (CO, MF) +18.62% (MX)

- Individually Metered Residential:
 - Transitioned away from SFE values for tier multiplier in 2024
 - Maintained use of SFE values for base rate multiplier

Tier	Increase/Decrease
1	0%
2	3%
3	3%
4	6%
5	7%

- Wastewater rates: 5.26% increase
- Combined total increase to rates: 10.94%
- Irrigation-only rates:
 - Increased base rates to align with water service base rates.
 - Transitioned to coverage-based irrigation rates for all irrigation-only customers in 2024.

Tier	Increase/Decrease
1	0%
2	3%
3	3%
4	4%
5	6%

Clean Water. Quality Life.™

- Authority Operating Agreement Revenue increase of \$792,043 or 8% over projection.
- To improve financial health and anchor to the recent Standard & Poor’s median of 546 days cash on hand, and given the recent bond ratings, it is recommended that the fund balance policies are updated to reflect these changes. As part of the strategic plan, a revised fund balance policy will be proposed in 2024 in conjunction with budget approval, setting a floor of 500 days and a ceiling of 600 days. In addition, the updated policies aim to protect against unforeseen economic events and supplement future bond issuances.

	Wastewater Fund	Vail Water Fund
Projected 2025 Fund Balance	36,324,491	10,996,638
Target Floor (500 days of non-bonded expenses)	41,130,527	10,959,729
Over/(Under)	(4,806,036)	36,909

Budget Summary

Below is a summary of the proposed 2025 budget, each topic was discussed in greater detail during the budget subcommittee meeting.

(Table 1: Proposed 2025 Budget Summary)

Total Budget Comparison	Amount	\$ Change	% Change
2024 Revised Budget	60,189,802		
2024 Projection	57,729,310	(2,460,492)	-4%
2025 Proposed Budget	65,187,487		
2024 Projected Carryforward	2,906,986		
2025 Total Proposed Appropriated Funds	68,094,473	10,365,163	18%

- Operating budget increase of 8.5% over 2024 projection, and 11% over 2024 Budget
- Cap/CRP decrease 27% from the 2024 projection, and 32% from the 2024 Budget
- Bond increase 50% from the 2024 projection, 17.1% increase from the 2024 Budget

Wastewater Budget Comparison	Amount	\$ Change	% Change
2024 Revised Budget	49,001,739		
2024 Projection	46,530,468	(2,471,271)	-5%
2025 Proposed Budget	48,280,585		
2024 Projected Carryforward	2,632,925		
2025 Total Proposed Appropriated Funds	50,913,510	4,383,042	9.4%

- Operating budget increase of 8.8% over 2024 projection, and 11.7% over 2024 Budget
- Capital/CRP decrease 26% from the 2024 projection, 33% decrease from 2024 Budget
- Bond increase 7% from 2024 projection, 18.5% decrease from 2024 Budget

Vail Water Budget Comparison	Amount	\$ Change	% Change
2024 Revised Budget	11,188,063		
2024 Projection	11,198,842	10,779	0.1%
2025 Proposed Budget	16,906,902		
2024 Projected Carryforward	274,061		
2025 Total Proposed Appropriated Funds	17,180,963	5,982,121	53.4%

- Operating budget increase of 7.8% over 2024 projection, and 9% over 2024 Budget
- Capital/CRP decrease 31.5% from the 2024 projection, and 28.1% from 2024 Budget
- Bond increase 3.2 times over the 2024 projection and 2.8 times budget with new bond proceeds expected in the fourth quarter of 2024.

Net Income Summary

The proposed 2025 net income is \$5,288,275, with \$3,427,454 from the Wastewater Fund and \$1,860,822 from the Vail Water Fund, intended to build fund balances and increase days cash on hand-to-reduce future bonding costs and safeguard against unforeseen economic events. The 2025 proposed CRP revenues and expenses are balanced, with the wastewater capital deficit offset by the operating surplus.

(Table 2: Combined Net Income Summary)

ERWSD Combined Funds Net Income			
Type	Revenue	Expense	Net
Operating	37,705,381	34,178,387	3,526,994
Housing	883,894	655,300	228,594
Debt Service	12,062,995	11,434,800	628,195
CRP	3,091,393	2,637,500	453,893
Capital	1,660,599	1,210,000	450,599
Subtotal	55,404,262	50,115,987	5,288,275
Bond Projects		15,071,500	
Total		65,187,487	

Wastewater Fund Net Income			
Type	Revenue	Expense	Net
Operating	29,348,621	26,935,285	2,413,336
Housing	883,894	655,300	228,594
Debt Service	8,952,024	8,334,800	617,224
CRP	2,029,463	2,037,000	(7,537)
Capital	1,228,837	1,053,000	175,837
Subtotal	42,442,839	39,015,385	3,427,454
Bond Projects		9,265,200	
Total		48,280,585	

Vail Water Fund Net Income			
Type	Revenue	Expense	Net
Operating	8,356,760	7,243,102	1,113,658
Debt Service	3,110,972	3,100,000	10,972
CRP	1,061,930	600,500	461,430
Capital	431,762	157,000	274,762
Subtotal	12,961,424	11,100,602	1,860,822
Bond Projects		5,806,300	
Total		16,906,902	

Type	Water Base	Water Tiers	WW Base	Impact Fees	Operating Agreement	Other*	Total	% Distribution	District Accounts	Total Accounts**
IM	1,881,045	1,130,163	9,427,078	764,747			13,203,033	23.83%	2,536	8,342
IRR	52,711	399,880		44,017			496,608	0.90%	115	381
CO	1,423,944	1,153,030	6,093,881				8,670,855	15.65%	161	492
MF	2,245,497	654,546	8,201,156	650,034			11,751,233	21.21%	358	797
MX	918,271	942,252	3,279,281				5,139,804	9.28%	39	73
FH	55,200	12,384					67,584	0.12%	14	33
N/A					10,170,835	5,904,310	16,075,145	29.01%		
Subtotal	6,576,668	4,292,255	27,001,396	1,458,798	10,170,835	5,904,310	55,404,262	100%	3,223	10,118

- Sources and uses of funds are balanced by type
- *Includes late fees & misc. fines, meter sales, interest, property tax, misc. revenues*
- **Total accounts, important for total WW revenue distribution*

Rate Summary

- Rate Structure update is revenue neutral with increases for debt services and operating increases.

(Table 3: Proposed 2025 Water Base Service Charges)

Individually Metered Residential Water Service Base Charges/SFE/Month				
	2024	2025	\$ Change	% Increase
Base Rate Per SFE	22.76	23.44	0.68	3.0%
Typical Use (5kgal)	18.50	18.50	0.00	0.0%
Capital Replacement Program	7.70	7.93	0.23	3.0%
Debt Service 2017 Bonds	6.37	6.85	0.48	8.0%
Debt Service 2019 Bonds	2.28	2.21	(0.07)	-3.0%
Debt Service 2024 Bonds	0.00	8.49	8.49	100%
Base Portion of Bill/SFE/Month	57.61	67.42	9.81	17%

Individually Metered Residential Water Usage Rates (per Kgal)/Month				
Water Usage Rates (per kgal)	2024	2025	\$ Change	% Increase
Tier 1 (0 - 6,000 gallons)	3.70	3.70	0.00	0%
Tier 2 (6,001 - 12,000 gallons)	6.72	6.92	0.20	3%
Tier 3 (12,001 - 18,000 gallons)	13.28	13.68	0.40	3%
Tier 4 (18,001 – 30,000 gallons)	20.15	21.36	1.21	6%
Tier 5 (Greater than 30,000 gallons)	28.21	30.18	1.97	7%

Multi-Family/Commercial Water Base Service Charges/Multiplier/Month				
	2024	2025	\$ Change	% Increase
Base Rate Per SFE	22.76	35.17	12.41	55%
Debt Service 2017 Bonds	6.37	9.80	3.43	54%
Debt Service 2019 Bonds	2.28	3.25	0.97	43%
Debt Service 2024 Bonds	0.00	12.10	12.10	100%
Capital Replacement Program	7.70	11.64	3.94	51%
Base Portion of Bill per Multiplier	39.11	71.96	32.85	84%

Multi-Family Water Usage Rates (per Kgal)/Multiplier/Month				
Water Usage Rates (per kgal)	2024	2025	\$ Change	% Increase
Tier 1 (0 - 8,000 gallons)	3.70	3.50	(0.20)	-5%
Tier 2 (8,001 - 16,000 gallons)	6.72	5.20	(1.52)	-23%
Tier 3 (16,001 - 24,000 gallons)	13.28	13.00	(0.28)	-2%
Tier 4 (24,001 – 36,000 gallons)	27.67	20.92	(6.75)	-24%
Tier 5 (Greater than 36,000 gallons)	41.51	35.97	(5.54)	-13%

Commercial Water Usage Rates (per Kgal)/Multiplier/Month				
	2024	2025	\$ Change	% Increase
Tier 1 (0 - 8,000 gallons)	3.70	4.39	0.69	19%
Tier 2 (8,001 - 16,000 gallons)	6.72	7.31	0.59	9%
Tier 3 (16,001 - 24,000 gallons)	13.28	13.00	(0.28)	-2%
Tier 4 (24,001 – 36,000 gallons)	27.67	20.92	(6.75)	-24%
Tier 5 (Greater than 36,000 gallons)	41.51	35.97	(5.54)	-13%

Mixed Use Water Base Service Charges/Multiplier/Month				
	2024	2025	\$ Change	% Increase
Base Rate Per SFE	22.76	28.33	5.57	24%
Debt Service 2017 Bonds	6.37	9.80	3.43	54%
Debt Service 2019 Bonds	2.28	3.25	0.97	43%
Debt Service 2024 Bonds	0.00	12.10	12.10	100%
Capital Replacement Program	7.70	11.64	3.94	51%
Base Portion of Bill per Multiplier	39.11	65.12	26.01	67%

Mixed Use Water Usage Rates (per Kgal)/Multiplier/Month				
Water Usage Rates (per kgal)	2024	2025	\$ Change	% Increase
Tier 1 (0 - 8,000 gallons)	3.70	4.39	0.69	19%
Tier 2 (8,001 - 16,000 gallons)	6.72	7.31	0.59	9%
Tier 3 (16,001 - 24,000 gallons)	13.28	13.00	(0.28)	-2%
Tier 4 (24,001 – 36,000 gallons)	27.67	16.66	(11.01)	-40%
Tier 5 (Greater than 36,000 gallons)	41.51	25.63	(15.88)	-38%

Coverage Based Irrigation Base Service Charges & Water Usage Rates/Acre/Month				
Irrigation Usage Rates (per kgal)	2024	2025	\$ Change	% Increase
Base Service	12.77	23.44	10.67	84%
Tier 1 (0 - 85,000 gallons)	7.39	7.39	0.00	0%
Tier 2 (85,001 - 142,000 gallons)	11.58	11.93	0.35	3%
Tier 3 (142,001 - 170,000 gallons)	14.58	15.02	0.44	3%
Tier 4 (170,001 – 190,000 gallons)	17.09	17.77	0.68	4%
Tier 5 (Greater than 190,000 gallons)	20.92	22.18	1.26	6%

**Increased base service charge to equal base water service charge for IM accounts.*

Temporary/Suspended Service Charges & Water Usage Rates/SFE/Month				
	2024	2025	\$ Change	% Increase
Water Service Base Charge	\$34.87	\$35.92	\$1.05	3%
Wastewater Service Base Charge-Depends on Account Type in 2025	\$42.19*	\$43.48*	\$1.29	3%
<i>Water Usage Rates</i>				
Tier 1 (0 - 6,000 gallons)	7.39	7.39	0.00	0%
Tier 2 (6,001 - 12,000 gallons)	11.58	11.93	0.35	3%
Tier 3 (12,001 - 18,000 gallons)	14.58	15.02	0.44	3%
Tier 4 (18,001 – 24,000 gallons)	17.09	17.94	0.85	5%
Tier 5 (Greater than 24,000 gallons)	20.92	21.97	1.05	5%

**Base service charge varies by account type*

Seasonal Fire Hydrant Base Service Charges & Water Usage Rates/SFE/Month				
	2024	2025	\$ Change	% Increase
Hydrant and Meter Damage Deposit	4,000	4,000	0	0%
Meter Install/Removal Fee	200	200	0	0%
Weekly Meter Rental Fee	175	200	25	14.28%
<i>Water Usage Rates</i>				
Tier 1 (0 - 8,000 gallons)	7.39	7.39	0.00	0%
Tier 2 (8,001 - 16,000 gallons)	11.58	11.93	0.35	3%
Tier 3 (16,001 - 32,000 gallons)	14.58	15.02	0.44	3%
Tier 4 (32,001 – 64,000 gallons)	17.09	17.94	0.85	5%
Tier 5 (Greater than 64,000 gallons)	20.92	21.97	1.05	5%
<i>Only available April 15 through October 15</i>				

Individually Metered Residential Wastewater Base Service Charges/SFE/Month				
	2024	2025	\$ Change	% Increase
Base Service (min charge 5 kgal)	36.72	37.85	1.13	3%
Additional usage per kgal	7.344	7.57	0.23	3%
2017 WW Crossover Refunding Bonds	2.75	2.75	0.00	0%
Debt Service 2020A Bonds:	5.13	5.07	(0.06)	-1%
Debt Service 2020B Bonds:	5.06	5.12	0.06	1%
Debt Service 2023 Bonds:	6.91	8.91	2.00	29%
Capital Replacement Program	5.47	5.63	0.16	3%
Base Portion of Bill per SFE	62.04	65.33	3.29	5%

Commercial Wastewater Service Base Service Charges/Multiplier/Month				
	2024	2025	\$ Change	% Increase
Base Service (min charge 5 kgal)	36.72	44.90	8.18	22%
Additional usage per kgal	7.344	8.98	1.64	22%
2017 WW Crossover Refunding Bonds	2.75	3.70	0.95	35%
Debt Service 2020A Bonds:	5.06	6.80	1.74	34%
Debt Service 2020B Bonds:	5.13	6.89	1.76	34%
Debt Service 2023 Bonds:	6.91	11.95	5.04	73%
Capital Replacement Program	5.47	7.90	2.43	44%
Base Portion of Bill per Multiplier	62.04	82.14	20.10	32%

Multifamily Wastewater Service Base Service Charges/Multiplier/Month				
	2024	2025	\$ Change	% Increase
Base Service (min charge 5 kgal)	36.72	44.90	8.18	22%
Additional usage per kgal	7.344	8.98	1.64	22%
2017 WW Crossover Refunding Bonds	2.75	3.70	0.95	35%
Debt Service 2020A Bonds:	5.06	6.80	1.74	34%
Debt Service 2020B Bonds:	5.13	6.89	1.76	34%
Debt Service 2023 Bonds:	6.91	11.95	5.04	73%
Capital Replacement Program	5.47	7.90	2.43	44%
Base Portion of Bill per Multiplier	62.04	82.14	20.10	32%

Mixed Use Wastewater Base Service Charges/Multiplier/Month				
	2024	2025	\$ Change	% Increase
Base Service (min charge 5 kgal)	36.72	36.35	(0.37)	-1%
Additional usage per kgal	7.344	7.27	(0.07)	-1%
2017 WW Crossover Refunding Bonds	2.75	3.70	0.95	35%
Debt Service 2020A Bonds:	5.06	6.80	1.74	34%
Debt Service 2020B Bonds:	5.13	6.89	1.76	34%
Debt Service 2023 Bonds:	6.91	11.95	5.04	73%
Capital Replacement Program	5.47	7.90	2.43	44%
Base Portion of Bill per Multiplier	62.04	73.59	11.55	19%

*Following board direction, in 2025, all commercial, mixed-use, and multi-family accounts will transition to a meter-sized multiplier, aligning with industry standards and system impacts. The table above illustrates rate changes to accommodate the reduced billing multipliers, increased debt service requirements, and a modest base service rate adjustment.

Wastewater				
Typical customer pays per SFE/Month:	2024	2025	\$ Increase	% Increase
At 5 Kgal	62.04	65.33	3.29	5%

Combined Water and Wastewater				
Typical customer pays per SFE/Month:	2024	2025	\$ Increase	% Increase
Vail Customer	119.65	132.75	13.10	10.95%

(Table 5: Impact Fees)

2025 Impact Fees 3/4" - 1.5"								
EAGLE RIVER WATER & SANITATION DISTRICT IMPACT FEES								
Meter Size	3/4" Short	3/4"			1"			1 1/2"
	.60 SFE	1.0 SFE			1.43 SFE			2.86 SFE
GPM	<21	21-25	25-30	30-35	35-40	40-45	45-50	50-100
WW	\$13,547	\$16,128	\$18,708	\$22,579	\$27,094	\$30,481	\$33,191	\$51,608
Vail Water	\$15,562	\$18,526	\$21,490	\$22,231	\$26,677	\$30,012	\$32,680	\$37,052

2025 Impact Fees 2"-8"									
EAGLE RIVER WATER & SANITATION DISTRICT IMPACT FEES									
Meter Size	2" (C2)	2" (T2)	3" (C2)	3" (T2)	4" (C2)	4" (T2)	6" (C2)	6" (T2)	8"
	5.71 SFE	7.14 SFE	14.29 SFE	18.57 SFE	28.57 SFE	35.71 SFE	57.14 SFE	71.43 SFE	91.43 SFE
GPM	100-200	200-250	250-500	500-650	650-1,000	1,000-1,250	1,250-2,000	2,000-2,500	>2,500
WW	\$145,148	\$193,531	\$241,914	\$322,552	\$419,317	\$645,103	\$806,379	\$1,290,206	\$2,064,330
Vail Water	\$148,110	\$197,481	\$246,851	\$329,124	\$427,875	\$658,269	\$822,836	\$1,316,537	\$2,106,459

- Anchored to the construction cost index, the rates above will increase by 10% in 2025. Impact fees have been adjusted to align with the meter-sized approach, specifically breaking out 3/4" and 1" meter sizes into 5 GPM categories to better reflect system impacts and costs of connection.

(Table 6: Development, Inclusion, & Dedication Fees)

2025 Development, Inclusion, & Dedication Fees		
Eagle River Water & Sanitation District	Upper Eagle Regional Water Authority	
DEVELOPMENT FEE/ DEDICATION/ DEPOSIT	RESIDENTIAL	COMMERCIAL
Inclusion Fee	\$1,300	
Treated Water Storage Dedication (New Tank)	Where no existing regional water storage is sufficient to serve the proposed development, an applicant will be required to construct and dedicate water storage sufficient to serve the needs of the development. See Treated Water Storage Dedication policy.	
Water Rights Dedication Review Deposit	\$1,950	
Water Rights Dedication Cash-in-lieu	\$78,084 per consumptive acre-foot of water	

- Anchored to the construction cost index, the rates above are increased 10% in 2025.

(Table 7: Other Fines and Fees)

2025 OTHER FINES AND FEES		
Description	2024 Fee/Fine	2025 Fee/Fine
Backflow Program Noncompliance Fine	500 per violation/per month	500 per violation/per month
Fire Hydrant Meter Relocation Fee	200	200
Penalty Noncompliance Fee	150 per SFE /per month	150 per Multiplier /per month
Recording Fee	Actual Cost	Actual Cost
Meter Inspection & Re-inspection Fee	200	200
Returned Check or ACH Fee	50	50
Service and Inspection Calls	200	200
Service Turn-off fee for remodel or construction	100	200
Tampering and Unauthorized Use	5000 per violation	5000 per violation
Turn-off and Turn-on Fee for unpaid charges	175	200
Transfer of Service Fee	165	175
Account Reactivation Fee	125	125
New Connection Application Fee	175	250
Easement Encroachment Review	475	500
Variance Review	475	500
Development Approval Process	1,750	2,000
Infrastructure Acceptance Process	2,000	2,250
Delinquent Charge (CRS 29-1-1102)	5% on past due amount	5% on past due amount

(Table 8: Fund Balance Summary)

District Funds	WW Fund	Vail Water Fund
Beginning Balance	31,497,091	7,836,368
2024 Projection	1,864,293	1,443,107
2025 Projected Beginning Balance	33,361,384	9,279,475
2024 Carry Forward	(235,753)	(143,659)
2025 Contribution	3,198,860	1,860,822
2025 Projected End Balance	36,324,491	10,996,638

- The above carryforward value excludes projects funded by bond proceeds.
- Proposed fund balance target of 500 days of non-bonded expenses to strengthen financial health, safeguard against unforeseen economic events, and supplement future bonds.
- The projected Wastewater Fund balance of \$36,324,491 is \$4,806,036 below the 500-day target.
- The projected Water Fund balance of \$10,996,638 is \$36,909 above the target floor.

	Wastewater Fund	Vail Water Fund
Projected 2025 Fund Balance	36,324,491	10,996,638
Target (500 days cash on hand of non-bonded expenses)	41,130,527	10,959,729
Over/(Under)	(4,806,036)	36,909

Budget Overview

2024 Operational Expense Budget Forecast

The 2024 projected operating expenditures are \$32,074,980, exceeding the \$31,322,638 operating budget by \$752,342, or 2.4%. This variance is primarily due to emergency repairs and increased software and licensing costs, with server infrastructure software agreement costs growing significantly in 2024.

Note: Total expenditures include operations, outsourced services, housing, payroll, and benefits, and *exclude* any expenditures related to debt service or debt issuance.

2025 Operational Expense Budget Summary

The proposed 2025 operating budget is \$34,833,687, reflecting an increase of \$3,511,049 or 11.2% compared to the 2024 budget. The table below illustrates the proposed 2025 budget by department, in relation to the 2024 budget and projection. Narratives for each decision item in the 2025 operating budget are included as an attachment to this memorandum, and the decision items are included in the table below.

(Table 9: Department YOY Comparisons)

Department	2024 Budget	2024 Projection	2025 Proposed Budget	Proposed Budget to Proj. Var	YOY Budget Var	% Change
Administration	1,841,039	1,863,820	470,320	(1,393,500)	(1,370,719)	-74%
CIP	0	644,700	1,231,700	587,000	1,231,700	100%
Community Relations	77,220	46,570	955,700	909,130	878,480	1138%
Customer Service	983,855	1,017,400	1,031,500	14,100	47,645	5%
Field Ops	3,522,555	3,822,040	4,061,618	239,578	539,063	15%
Finance	1,363,527	1,312,750	1,555,700	242,950	192,173	14%
Housing	1,319,217	1,245,560	1,176,900	(68,660)	(142,317)	-11%
IT	3,853,328	4,582,080	4,744,975	162,895	891,647	23%
Lab	1,191,876	1,181,480	1,237,400	55,920	45,524	4%
Ops Tech	1,590,772	1,567,060	1,644,011	76,951	53,239	3%
People Ops	2,137,796	2,141,550	2,306,800	165,250	169,004	8%
Utility Services	3,481,554	3,526,570	3,597,600	71,030	116,046	3%
Wastewater	3,929,735	3,953,960	4,927,477	973,517	997,742	25%
Water	2,631,536	2,599,230	3,005,586	406,356	374,050	14%
Water Conservation	529,085	519,100	768,800	249,700	239,715	45%
Water Resources	2,869,543	2,051,110	2,117,600	66,490	(751,943)	-26%
Total	31,322,638	32,074,980	34,833,687	2,758,707	3,511,049	11.2%

Below are the notable changes from the 2024 Operating Budget to the proposed 2025 Operating Budget, including decision items and excluding debt service.

Administration

- Allocate administrative personnel services expenses to the departments overseen by the administrator.

CIP

- Break out CIP personnel services expenses from Water Resources.

Field Ops

- Includes \$100,203 for additional position decision item, and \$33,915 for On Call improvements.
- Increase \$125,000 for repairs of distribution system.
- Increase \$225,000 for field ups supplies to complete deferred maintenance.

Information Technology

- Increase of \$891,647 or 23% primarily driven by increased software and licensing
- Increase for distributed administration personnel services costs
- Decision Items: \$50,000 Outage Management System (OMS) Solution and \$126,000 for Truck Wi-Fi.

Finance

- Increase for distributed administration personnel services costs

People Ops

- Increase of \$169,004 or 8% for property and liability insurance, PPE, and consulting expenses.
- Wellness benefit increase from \$650/Year to \$700/Year with 125 employees participating in the program. Increase of \$24,840 or 40%.
- Increase for distributed administration personnel services costs

Wastewater

- Increase of \$997,742 or 25% for buildings and grounds maintenance, chemical process increases, utilities, and personnel services.

Upper Eagle Regional Water Authority Operations Agreement

The Authority has contracted with the District to operate and maintain the water treatment plants in Avon and Edwards, the Berry Creek and Cordillera wells, the water distribution system, and to provide support services including accounting and billing, customer service, engineering, and other administrative activities such as board support and staff management. The Operations Agreement covers time, administrative costs, and office equipment and supplies associated with supporting the Authority's operations.

The Authority is billed monthly by the District based on an annually budgeted amount. The projected need for 2024 is \$9,378,792. The proposed budget is designed to cover expenses under the Operating Agreement, ensuring these costs are covered by rates rather than drawing from the fund balance.

At the end of the fiscal year, true ups are conducted, and the Authority pays any outstanding balance. Within the total budget package, there is a \$10,170,835 operations agreement request for 2025. This represents an 8% increase over 2024 due to increased operational costs.

Routine operations overhead include office and operations facilities, supplies, and management overhead. These components are generally allocated between the Authority and the District based on payroll allocation percentages. Personnel expenditures are estimated based on the District staff's time spent on Authority operations.

For historical perspective, the below illustrates the actual costs related to the Operations Agreement since 2014.

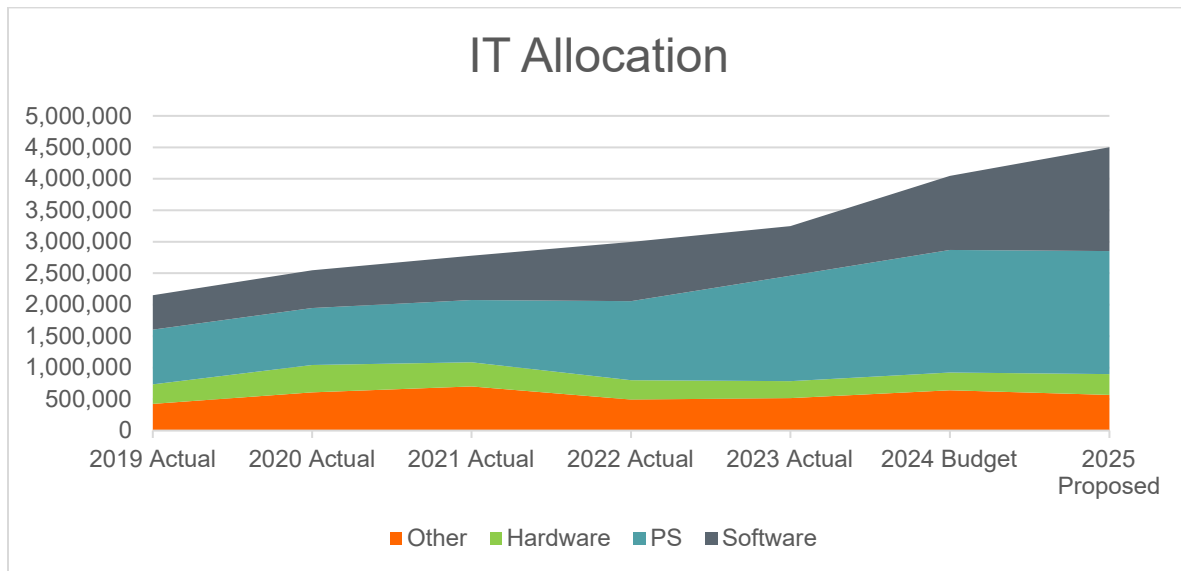
(Table 10: UERWA Operating Agreement Historical Actuals)

	2017	2018	2019	2020	2021	2022	2023	2024
Budget	4,076,066	4,080,000	4,100,000	4,700,000	4,700,000	6,750,000	7,425,000	8,481,648
Actual	4,914,771	4,961,104	4,959,745	6,555,621	7,539,684	8,434,768	8,664,921	9,378,792
Fund Impact	-838,705	-881,104	-859,745	1,855,621	2,839,684	1,684,768	1,239,921	-897,144

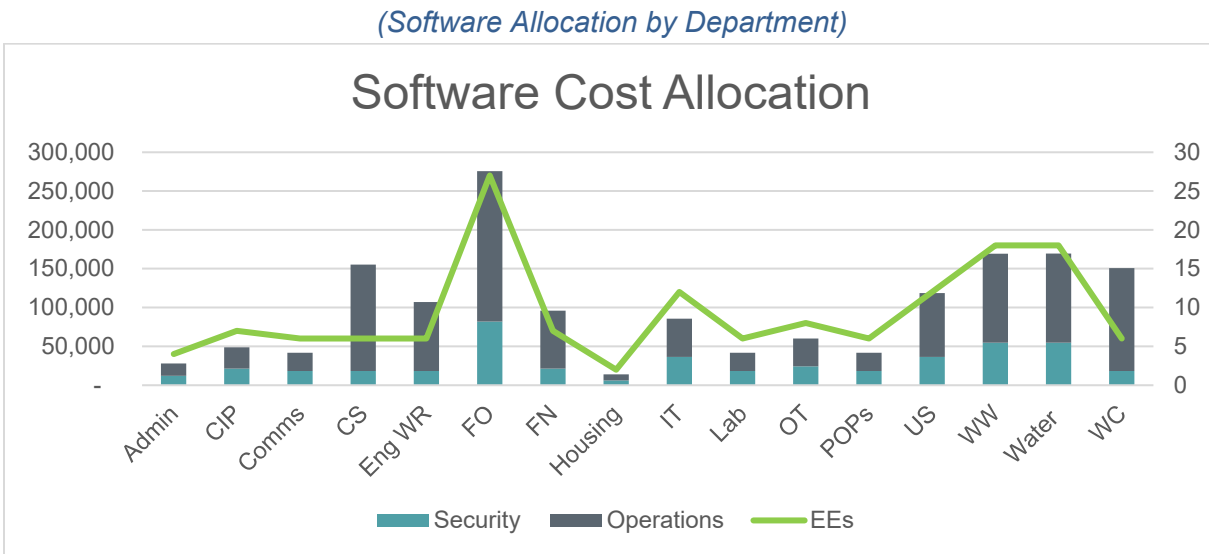
*2025 increases are primarily driven by CIP, Information Technology, and Field Operations. From 2017 – 2024 the UERWA fund balance has been absorbing the overages in the budget and actuals from the Operating Agreement totaling \$11,096,692.

Information Technology Budget

(IT Growth by Category)

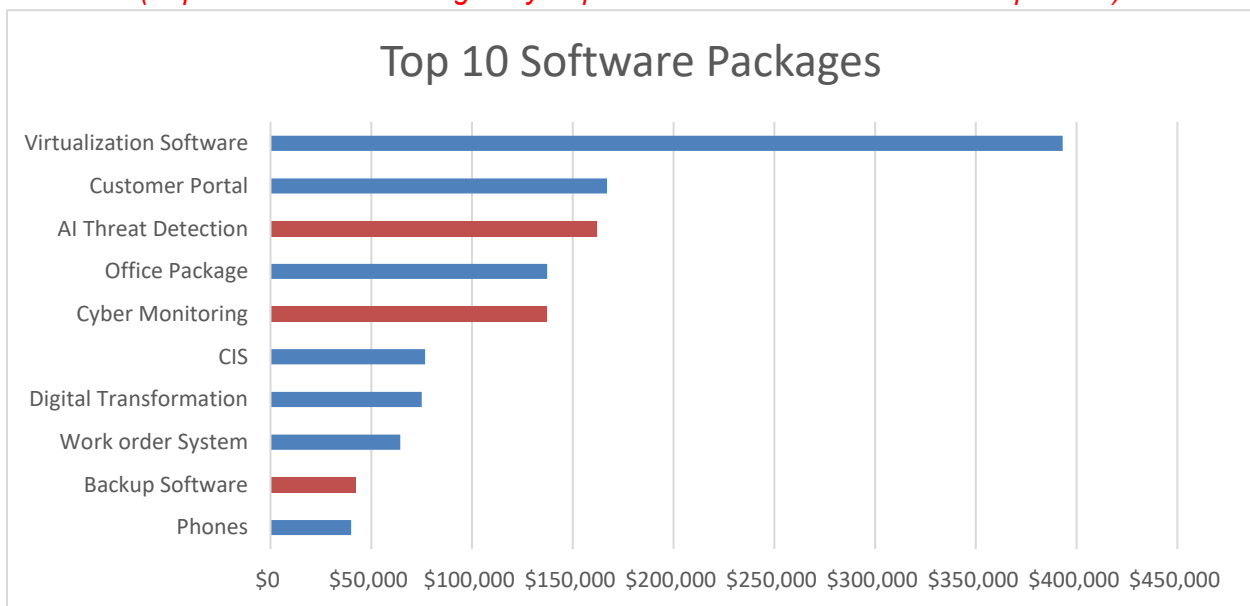


The IT budget is made up by 37% software, 43% personnel services, 7% hardware, and 13% other overhead expenses. The growth in software expenses related to IT infrastructure is the primary driver.



Software expenses are managed by the IT department but are allocated to individual departments based on usage. The graph above illustrates the distribution of these expenses across departments and their respective consumption levels. 32% of software expenses are allocated to security services, highlighting a strong emphasis on cybersecurity.

(Top 10 Software Packages by Expense: Confidential – Redacted specifics)



Software packages that form the IT infrastructure, particularly the server environment, represent the largest expense and are the main driver of cost growth due to rising service costs. Total investments in security equate to \$458,060 annually, or 13% of the overall IT budget.

Overall Payroll, and Benefits

The proposed 2025 budget includes 3 additional full-time employees (FTEs), bringing the total number of full-time positions within the District to 148. The budgetary impact of these FTE additions amounts to \$409,345. In a collaborative effort across departments, a strategy has been developed to focus on maintaining compensation levels through cost-of-living adjustments, merit increases, annual salary surveys, and compression analysis. The proposed overall payroll and benefits increase is \$1,587,707.

- Field Operator- Full Time
- Project Manager II-Full time
- Systems Analyst – Full Time
- 4% Cost of Living Adjustment
- 2.4% Merit Increase
- Wellness Benefit Increase
- On Call Improvements

(Table 11: PS Decision Items)

Request	FTE	Operating	Capital	Total
Field Operations – Field Operator	1	97,203	3,000	100,203
Operations – Project Manager II	1	188,420	3,000	191,420
Water Conservation – Systems Analyst	1	114,722	3,000	117,722
Cost of Living Adjustment		643,030		643,030
Merit Increase		385,818		385,818
Wellness Benefit Increase		6,250		6,250
On Call Improvements		143,264		143,264
Total	3	1,578,707	9,000	1,587,707

Health and other benefit costs are projected to increase by 3%. It is proposed that the District split the increased health costs with employees. The total health, dental, vision, and life is estimated to increase from \$3,521,505 to \$3,602,303, for a total of \$80,798. The proposed budget includes an 85% (2.55%) / 15% (0.45%) distribution of the costs with the employee.

Total District personnel costs (salaries and benefits) for 2025 are budgeted at \$21,371,923, representing an increase of \$1,949,923 from the 2024 projection, or 10%.

Capital Budget Overview

Summary

The total proposed capital, CRP, and bond projects budget for 2025 is \$18,919,000 (including decision items). This includes \$12,355,200 for Wastewater projects and \$6,563,800 for Vail Water projects. The table below lists the major capital projects included in the budget. A detailed 10-year plan and project narratives are attached.

(Table 12: Major Capital Projects)

Fund Type	Project Name	2025 Budget	Total Project Budget
WW Bond Project	Minturn Siphon Project	\$1,100,000	\$1,650,000
W Bond Project	Main Gore Place Waterline Improvement	\$1,100,000	\$1,248,001
W Bond Project	Booth Falls Emergency Power	\$1,850,000	\$2,050,000
WW Bond Project	EWWTf Nutrient Upgrades	\$7,665,159	\$93,500,000
W Bond Project	Vail Tank 4 Rehabilitation (Cap Water)	\$2,000,000	\$2,150,000

In addition to the 2025 funding requests, the total proposed appropriation includes projected carryforwards for unspent project budgets in 2024. Despite efforts to accurately forecast project timing, rollovers and returned funds can occur for various reasons. The major components of projected carryforwards and returned funds are detailed below. The total carryforward is estimated to be \$2,906,986 comprised of \$2,632,925 from Wastewater projects and \$274,061 from Vail Water projects.

(Table 13: 2024 to 2025 Budget Carryforward Summary)

Fund Type	Department	Project Name	Est. Carryforward
WW Bond Project	Wastewater	EWWTf Nutrient Upgrades	1,108,267
WW Bond Project	Field Ops	Cascade Sewer Main Project	550,000
WW Bond Project	Field Ops	Minturn Siphon Project	415,184
WW Bond Project	Field Ops	Dowd Junction Collection System Improve.	248,530
WW Capital	Wastewater	EWWTf Centrifuge	135,000
Capital	Water	Water Treatment Master Plan-	91,598
WW Bond Project	Wastewater	VWWTf Master Plan Capital Improvements	75,191
Capital	Lab	ICP-MS Lab Equipment	53,302
W Bond Project	Water	Vail Tank 4 Rehabilitation (Cap Water)	50,000
W Bond Project	Ops Tech	Booth Falls Emergency Power	42,174
W Bond Project	Field Ops	Main Gore Place Waterline Improvement	38,228
Capital	IT	Dowd Junction Communication Tower	35,000
Capital	Water	West Vail Flow Control Improvements	25,061
Capital	Water	Water System Emergency Power	20,000
CRP	Wastewater	EWWTf Biofilter Media Replacement	19,451
		Total	2,906,986

(Table 14: 2024 Estimated Returned to Funds Summary)

Fund Type	Department	Project Name	Est. Return to Fund
WW Bond Project	Field Ops	Dowd Junction Collection System Improve.	250,000
WW Bond Project	Wastewater	AWWTF Nutrient Upgrades	107,890
Capital	Wastewater	EWWT GT and SC Coatings	100,000
Capital	Engineering	Greenhouse Gas Inventory	100,000
Capital	Field Ops	Hillcrest Field Operations Facility	98,675
CRP	Utility Services	Building Remodels or Major Repairs	73,706
CRP	Water	Distribution Industrial Painting	50,000
CRP	Water	Water Storage Tank Misc. Improvements	32,873
CRP	Utility Services	Asphalt Seal & Stripe	25,000
Capital	Water	Water System Emergency Power	23,889
CRP	Wastewater	AWWTF Plant Repairs	7,716
CRP	Engineering	GIS Improvements	1,500
CRP	Utility Services	Heavy Equipment	761
		Total	872,009

The total returned funds are estimated to be \$872,008 comprised of \$357,890 from Wastewater Bond projects, \$407,358 from Wastewater projects, and \$106,762 from Vail Water projects.

Debt Service

The District issued \$47 million in wastewater revenue bonds in 2023 to complete the Avon Wastewater Treatment Facility and fund three years of major wastewater projects. The current wastewater master plan and the 10-year capital improvement plan projects the need to issue \$76 million in wastewater bonds in 2026 to fund major wastewater projects including the Edwards Wastewater Treatment Facility. Nutrient standards require the EWWT to be completed by 2029. The Vail Water Subdistrict plans to issue \$15MM in revenue bonds in the fourth quarter of 2024. The funds will be used to advance the Bolts Lake project to 30% design and initiate the Federal National Environmental Policy Act (NEPA) process, replace water mains, provide emergency power backup, rehabilitate a water storage tank, and replace a well. The estimated monthly debt service rate for Individually Metered customers is \$8.49 per SFE. For Commercial, Mixed Use & Multi-Family the estimated debt service rate is \$12.10 per Multiplier, both of which are included in the 2025 rate package.

(Table 15: Wastewater Bond Fund Projections)

Bond Funds	Wastewater Bond	Funding Strategies – GO Bond	Funding Strategies – Revenue Bond
Beginning Balance	20,319,808		
2025 Projected Beginning Balance	11,662,331		
2024 Carryforward into 2025	2,397,172		
2025 Budget	9,265,159		
Current Bond Window End Balance	0		
Bond Window 1 (2026-2028)	76,000,000*	~1.097 Mills - \$73.51 (\$1M Home)	~\$16.89/Multiplier/Month
2026 Budget	18,000,000		
2027 Budget	29,000,000		
2028 Budget	29,000,000		

(Table 16: Vail Water Bond Fund Projections)

Bond Funds	Vail Water Bond	Funding Strategies – Revenue Bond
Beginning Balance	(2,618,933)	
2025 Projected Beginning Balance	11,695,213	
2024 Carryforward into 2025	130,402	
2025 Budget	5,806,250	
2026 Budget	2,381,250	
2027 Budget	3,377,311	
Current Bond Window End Balance	0	
Bond Window 1 (2028-2030)	18,043,750*	~\$10.28/Multiplier/Month
2028 Budget	743,750	
2029 Budget	7,268,750	
2030 Budget	10,031,250	

*Current estimate. Projects will be drafted for board review prior to a proposed bond resolution.

Housing Enterprise Fund

The Housing Fund, treated as an enterprise fund, is derived from the Wastewater fund balance. This fund includes rental revenue from the housing program, property sales, and costs related to maintenance, upkeep, capital improvements, and HOA fees. The Housing Program’s net income and housing metrics are provided quarterly to the board. Projections for the Housing enterprise fund are outlined below

(Table 16: Housing Fund Projections)

Detail	2024	2025*	2026*	2027*
Beginning Balance	382,910	979,506	1,258,100	1,530,536
Projected Revenue	1,172,060	1,133,894	1,213,266	1,298,195
Projected Expense	575,464	855,300	940,830	1,034,913
Projected Net Income (Loss)	596,596*	278,594	272,436	263,282
Projected End Balance	979,506	1,258,100	1,530,536	1,793,818
Target Floor (500 Days Cash on Hand)	788,307	1,171,644	1,288,808	1,417,689
Target Ceiling (600 Days Cash on Hand)	945,968	1,405,973	1,546,570	1,701,227
Over/(Under) Floor	191,199	86,456	241,728	376,129

*2025 Expenses include Personnel Services to include a full picture of the Housing Program.

Overall revenue increase summary:

- **\$250,000** added to the budget to build the fund balance for housing purchases.
- EHOP paybacks projected to be paid back in 2024
- Total revenue decreased due to the termination of high-cost master leases.
- **7% rate increases** based on an analysis of the affordable housing market.

*2025 Expenses include Personnel Services to include a full picture of the Housing Program.

The targeted housing fund balance aligns with the policies of Wastewater and Vail Water funds, set to cover 500 days of expenses.

Consumer Price-Index

Previous budget cycles included a memo documenting the Consumer Price Index (CPI) values and their impacts. The CPI measures the average change over time in the prices paid by urban consumers for a market basket of goods and services, with indexes available for the U.S. and various regions. While informative, the Denver-Aurora-Lakewood CPI metrics are less representative of the high mountain areas. Moving forward, the Bureau of Labor Statistics' Mountain-Plains data will be used as a more accurate reference. The annual increase from June 2023 to June 2024 is 3.3%.

Decision Items

(Table 18: Decision Items)

Department	Type	Description	FTE	Operating	Capital	2025 Total
POPs	Operating	2.4% Merit/Pay for Performance		385,818		385,818
POPs	Operating	4% COLA		643,030		643,030
POPs	Operating	Wellness Benefit Increase		22,500		22,500
POPs	Operating	On Call Improvements		143,264		143,264
IT	Capital	OMS Solution			50,000	50,000
IT	Capital	Truck Wi-Fi			126,500	126,500
Field Ops	Operating	Field Operator	1	97,203	3,000	100,203
Field Ops	Capital	Jetting Truck			400,000	400,000
Field Ops	Capital	CCTV Truck Upgrades			150,000	150,000
Field Ops	Capital	Sewer Interceptor Rehabilitation			250,000	250,000
Field Ops	Capital	Fire Hydrant System Valves Inspections			100,000	100,000
Field Ops	Capital	Sewer Arial Crossing Improvements			100,000	100,000
Utility Services	Capital	Specialty Snow Removal Equipment			120,000	120,000
Utility Services	Capital	Vehicle Lift			40,000	40,000
Water	Capital	Analyzer Replacement Allowance			25,000	25,000
Operations	Operating	Project Manager II	1	188,420	3,000	191,420
Operations	Operating	Emergency Preparedness		25,000		25,000
Water Conservation	Operating	Systems Analyst	1	114,722	3,000	117,722
Total			3	1,619,957	1,370,500	2,990,457

Decision Items Details

**1. Name of Request: Merit & COLA Increases
Department: People Operations**

Problem or Opportunity:

The opportunity is to uphold the District’s values and mission of supporting its employees by proposing a 2.4% merit increase and a 4% cost-of-living adjustment (COLA). Merit pay, or pay-for-performance, refers to a raise based on specific criteria set by the employer, typically following a performance review. A COLA is an adjustment to salaries based on the rising costs of goods and services, ensuring employee compensation remains aligned with inflation.

The total request for pay for performance and cost of living adjustment (COLA) is a budgeted 4%. This amount is the data shown in the Bureau of Labor Statistics for September 2024. Using quarter 3 data will aid in more accurate numbers going forward on a year over year basis given the budget timelines of the District. Merit pay is budgets at 2.4% and is based on performance. These budgeted numbers total \$1,028,848 for active employees that have started prior to September 1st of each year.

Consequences of Problem:

The consequences of not implementing these adjustments include increased employee turnover, a workforce that feels underappreciated and undervalued, and a widening gap between our compensation rates and the market. This could lead to difficulties in retaining talent and maintaining a competitive pay structure.

Proposed Solution:

The solution is a design tweak from prior years where a 3% budgeted merit would be assessed. This effectively states there is an amount in total set aside for merit increases. Pay for performance is a great way to incentivize top performers. With this our system historically has been monthly review scales of 1-5 with the average score around 4, and due to this the budgets amount is 2.4%. The average score of the total monthly reviews performed is then the weighted score. In addition to this, the adjustment for COLA is added to the strategies to keep up with rising costs and wages over time.

Costs:

Source: Operating

Costs	2025
2.4% Merit/Pay for Performance	385,818
4% Cost of Living Adjustment (COLA)	643,030
Totals	1,028,848

2. Name of Request: On-Call Earnings Adjustment
Department: People Operations

Problem or Opportunity:

We have received a large amount of feedback from employees and leaders in recent focus groups and stay interviews about how current on-call pay does not incentivize folks to work on-call, given how drastically on-call work changes their lives (ex: cannot leave the area and cannot participate in outdoor activities or anything outside of cell reception). Employees may be required to be on-call anywhere from a few weeks up to 3 months (or 13 weeks) during the year. Through a market analysis of water utilities and similar organizations, it is clear that we have fallen behind the market in how we compensate on-call work.

Currently, it is difficult to fill on-call shifts, especially holiday shifts, and much time and effort is devoted to ensuring the on-call rotation is filled. There would be less of a “battle” to fill on-call shifts if there was more incentive to be on-call. There is an opportunity to right size the effect of on-call on employees’ lives with on-call earnings, to better meet our operational needs.

Consequences of Problem:

The demands of on-call work outweigh the benefits, and we have seen that in our market analysis and heard that feedback from employees. As a result, employees may seek other positions with higher pay or no on-call requirements, taking their expertise with them to other organizations. This loss of knowledge could negatively impact our ability to respond effectively to emergencies, which is the primary reason for call outs. Not being able to effectively respond to emergencies would also affect our customers.

Additionally, any turnover related to on-call duty would also have a negative effect on various operations teams by leaving them understaffed and putting a strain on current team members. It takes 6 months or more to train a new employee to be proficient enough to serve in an on-call capacity, putting additional strain on current employees to fill shifts, should more experienced workers leave. There would also be the additional cost of more recruiting, as well as time spent on the recruitment process (taking hiring managers away from their daily work and straining the recruitment team).

Proposed Solution:

Type of Pay	Current Pay	Proposed Pay
On-Call	One (1) hour of straight pay.	Two (2) hours of straight pay.
On-Call Premium	1.5 hours of straight pay. 8 hours of straight holiday pay. Holiday pay does not count towards OT.	4 hours of straight pay. 8 hours of straight holiday pay. Holiday pay counts towards OT.

This solution increases on-call compensation year-round. Additionally, it focuses on incentivizing on-call during holidays, filling those difficult holiday shifts that cause issues for our leaders. The ability to incur additional overtime during holidays also ensures the employee is compensated properly when they are on-call during these times of the year, as they must be prepared to work at any time of the day – when most workers are usually enjoying their family and free time. On-call is a requirement for the job, so these changes will ensure the employee is properly compensated in alignment with the effect on their life, the work, and current market pay.

Costs:

Source: Operating

Costs	2025	2026	2027
ONC Earnings	104,717	111,519	118,764
OCP Earnings	10,964	11,676	12,435
Overtime Earnings	27,583	29,375	31,283
Totals:	143,264	152,570	162,481

3. Name of Request: Outage Management System

Department: IT

Problem or Opportunity:

When water outages occur, we currently notify affected customers by placing hangers on doors. We do not currently have an outage management system, and it is cumbersome to notify our customers of planned or unplanned outages. This results in high call volumes to our water conservation staff. Our current method of notifying customers of outages is inefficient and dated. Implementing an outage management system or OMS would address this problem and allow better customer satisfaction by enhancing our communication to the customer in the event of planned or unplanned outages. It would also reduce labor and materials to communicate these outages.

Consequences of Problem:

Without an OMS system we rely on the existing manual methods of outage notifications which increases operational costs and decreases customer satisfaction.

Proposed Solution:

Implement an OMS with API functionality to GIS and CIS. This will enable our field crews to specify the affected section of pipe, which will then automatically pull the customers in the affected region from CIS and use SMS (text message) and email to notify the customer of the outage and time to resolution. This can be used for both planned and unplanned outages. The outage map will also appear on our externally facing website which further reduces the number of calls to the water conservation team. Additionally, customers can report problems and outages to the District via SMS which streamlines the customer experience.

Costs:

Source: Capital and Operating

Costs	2025	2026	2027
Capital - One time cost	50,000		
Operating – Annual cost		15,000	15,000
Totals:	50,000	15,000	15,000

4. Name of Request: Truck Wi-Fi
Department: IT

Problem or Opportunity:

Our field crews depend heavily on Cityworks and GIS for effective fieldwork and emergency response. However, the Vail Valley poses significant challenges due to limited or non-existent cell service in many areas. Reliable connectivity to asset databases and location information is crucial for both daily operations and emergency situations. Addressing these connectivity issues is essential to ensure that our teams can access the necessary data to perform their tasks efficiently and respond promptly to emergencies. Field operations crews face significant connectivity issues throughout the valley, impacting their ability to perform tasks effectively. The lack of cell reception in many areas prevents crews from making phone calls, including during emergency call outs. Implementing new mobile satellite technologies can address this problem by enabling the broadcast of ERWSD Wi-Fi in select district vehicles. This will facilitate connectivity and Wi-Fi calling even in areas with minimal or no cell reception, enhancing operational efficiency and communication.

Consequences of Problem:

In areas with poor or no cell service, our field crews face challenges accessing critical databases and GIS systems, which impedes their response during emergencies. Furthermore, the lack of reliable communication can prevent crews from contacting emergency services, creating significant safety risks. Ensuring connectivity to these essential systems and improving communication capabilities are crucial for effective emergency response and overall operational efficiencies.

Proposed Solution:

Advancements in satellite technology now enable the installation of mobile satellites on Field Operations trucks, providing essential connectivity. This upgrade will facilitate emergency phone calls, communication with key District personnel, and enhanced use of asset management systems in areas with poor or no cell service. The additional equipment will address connectivity issues and ensure effective operation during critical situations.

Costs:

Source: Capital and Operating

Costs	2025	2026	2027
Capital - One time cost	57,500		
Operating – Annual cost	69,000	69,000	69,000
Totals:	126,500	69,000	69,000

5. Name of Request: Field Operations Full Time Operator Addition
Department: Field Operations

Problem or Opportunity:

In 2024 Field Operations promoted one full time operator to meet immediate need for third supervisor. That reduced number of full-time operators to 17 in our team. Although new supervisor position met our immediate need, we are struggling to keep up with our *maintenance* goals. Furthermore, one less operator is putting strain on operators as they must rotate more often in on-call schedule. As Field Ops is planning to purchase additional equipment for our programs (jetting truck and CCTV van upgrades), we would like to hire, and train operators to be ready for execution of those programs. We are ready for this addition at supervisor level too, as one of our supervisors has one less direct report than other two.

Consequences of Problem:

Field Ops is working towards staff levels that will allow us to execute programs in the most efficient way. We are struggling to keep up with *maintenance* goals, yet we are at risk of not being able to man our other programs. This addition will allow us to prepare our team to be able to meet both of those goals.

Proposed Solution:

Hiring Field Ops 18th operator would fulfill our team strategy of three teams, each consisting of supervisor, lead and 5 operators. It would also allow us to train and build up specialized programs teams before we get new equipment and expand those programs. With this addition we should be able to reach strategic goal of well balanced, experienced team that can raise to any task, and that can utilize equipment efficiently.

Costs:

Source: Operating

Costs	2024	2025	2026
Salary and Benefits	94,603	100,718	103,174
Supplies	500	500	500
Telephone/Computer/Software	2,100	1,500	1,500
Other (Computer, initial desk, furniture)	3,000		
Totals:	100,203	102,718	104,174

6. Name of Request: Recycling Jetting Truck
Department: Field Operations

Problem or Opportunity:

At present Field Ops is using jetting/vacuum truck to high water pressure jet 1/5th of the collection system. We find out that 5-year cycle of high-water pressure jetting is too far apart. We are finding FOG deposits that are border line with the blockage after 5 years.

Our existing equipment is using clean water and multiple refilling is needed. Any maintenance or repair of equipment downtime is stopping the program.

Consequences of Problem:

Sewer main blockage risk and consequential SSO risk.

Proposed Solution:

Plan and commit to purchase second high-water pressure jetting truck. Equipment with recycling wastewater capability become available couple of years ago. New equipment will be able to vacuum sewer, filter it, and then use filtered water for high-water pressure jetting. That eliminates need for refilling clean water, reduces water waste, increases productivity, and reduces addition of water into collection system. Furthermore, this equipment will be able to help us with excavation dewatering as it has capability to do so. Second piece of equipment will reduce downtime. As this equipment is capable of better cleaning sewer interconnect large diameter pipes, it will help us maintain sewer interconnect better.

Field Operations request to add full-time position to our team is also necessary to man this new equipment in the future. All above should allow us to reach 3-year cleaning cycle and improve our sewer interconnect maintenance.

Lead time for this equipment is 18 months, hence commitment to this program purchase will allows us to order it and get it delivered and operational by 2026. Costs:

Source: Capital

Costs	2025	2026	2027	2028
Capital- Truck purchase	400,000			
Totals:	400,000			

7. Name of Request: CCTV Truck Upgrades
Department: Field Operations

Problem or Opportunity:

Our existing CCTV equipment is outdated and is lacking some capabilities of modern equipment. Due to the lack of capabilities, we cannot perform all of the tasks we need, and we have to subcontract this work to contractor. Biggest lack of capability that we are trying to solve is later launch capability. Lateral launch will allow us to launch camera into the sewer service line from the sewer main. That will allow us to see state of the sewer service and if needed prove that issue is in service line rather than in main. New equipment is lighter, more reliable, interchangeable with push camera, and easier to repair.

Consequences of Problem:

CCTV inspection is important part of system maintenance, and planning for repairs. Lack of capabilities results is missing issues that can cause SSO's.

Proposed Solution:

Multiyear upgrade and improvements to the CCTV equipment will allows us to self-perform CCTV inspection, and hence save money on paying subcontractor in the future. New equipment will make process more efficient and will helps us find issues faster and easier. Other ERWSD department rely on our CCTV equipment too and will help water and wastewater department find issues in on their assets easier. Field Operations request to add full-time position to our team is also necessary to man this new equipment in the future.

Costs:

Source: Capital

Costs	2025	2026	2027	2028
Capital	150,000	100,000		
Totals:	150,000	100,000		

8. Name of Request: Collection Interceptor Rehabilitation
Department: Field Operations

Problem or Opportunity:

In 2024 we found structural and root intrusion issues in interconnect sewer main, and we are working on repair some of them. Those spot repairs and improvements are temporary solution Our interconnect sewer main between VWWTF, AWWTF, and EWWTF is in asset that is aging and will need maintenance and improvements in the future years.

Opportunity is to build a proactive maintenance program that will improve section of it each year, and hence be ahead of major issues.

Consequences of Problem:

This program intention is to prevent major issues with sewer interconnect and hence prevent SSO. Large section of sewer interconnect is near the Gore Creek or Eagle River and SSO will result in major ecological emergency. Furthermore, the same rivers are source of water for our WTF, hence it can impact our production capacity dramatically.

Proposed Solution:

Planning budget for this program will help us to make improvements that will help us being ahead of major issues, and hence prevent SSO.

Costs:

Source: Capital

Costs	2025	2026	2027
Capital	250,000	250,000	250,000
Totals:	250,000	250,000	250,000

**9. Name of Request: Fire Hydrant System Valves Inspections
Department: Field Operations**

Problem or Opportunity:

Field Operations currently is unable to meet maintenance goals related to fire hydrant and system valves due to the demands of emergency repairs and other departmental requirements.

Consequences of Problem:

Field Operations is unable to meet maintenance goals.

Proposed Solution:

A specialized inspection subcontractor, working within our CMMS system and alongside our team, is expected to achieve maintenance goals within one summer.

Costs:

Source: Capital

Costs	2025
Capital	100,000
Totals:	100,000

10. Name of Request: Sewer Aerial Crossing Improvements
Department: Field Operations

Problem or Opportunity:

Aerial crossings are high risk, aging assets with a high consequence of failure. Seasonal runoff flows impact the pipes and are a public safety hazard for river users. Many likely have scoured abutments and a lack of foundations.

A high-level engineering analysis is needed to assess locations, elevations relative to the floodplain, flows, likelihood and consequence of failure, and inform future strategy with respect to rehab/replacement.

Consequences of Problem:

Continued risk of failure of aerial crossings could deposit wastewater into Gore Creek and/or inundate the wastewater collection system with clean water, potentially causing a downstream sanitary sewer overflow (SSO).

Proposed Solution:

An engineering analysis is the first step to addressing the capital needs. It will include a high-level alternatives analysis with risk, costs, and grant funding potential. The 2026 budget cycle will likely involve design and construction of the selected improvements based on this study.

Costs:

Source: Capital

Costs	2025
Capital	100,000
Totals:	100,000

11. Name of Request: Snow Removal Vehicle
Department: Utility Services

Problem or Opportunity:

In 2021, the Fleet and Facilities team assumed responsibility for snow removal at the Vail Admin building, a task previously outsourced to a contractor by the District. Since then, the team has extended its snow removal services to include several other district facilities, such as the Vail water production facilities and the Avon Wastewater Treatment Plant (AWWTP). While staff have been utilizing existing equipment and trucks to manage this additional workload, there is a clear need to acquire specialized equipment designed for this purpose. The Bobcat Toolcat is an ideal piece of equipment that will enhance staff safety and efficiency. This will also be utilized by many different departments, reducing the need for additional equipment.

Consequences of Problem:

Failure to purchase this equipment could result in decreased operational efficiency and higher long-term maintenance costs due to the continued use of inadequate equipment

Proposed Solution:

The proposed solution is to acquire specialized snow removal equipment (Bobcat – Toolcat) that will enable staff to perform their duties safely and efficiently

Costs:

Source: Capital

Costs	2025
Snow Removal Vehicle	120,000
Totals:	120,000

12. Name of Request: Vehicle Lift
Department: Utility Services

Problem or Opportunity:

The proposed vehicle lift, with a 30,000-lb capacity, is both appropriately sized and operationally safe for servicing all vehicles in the District fleet. The current lift, a 2-post model with a capacity of 10,000-lb, is insufficient for some of our specialized heavy-duty service trucks. As a result, these vehicles cannot be serviced by District staff due to the risk of exceeding the lift’s capacity. Currently, they must be serviced by the town of Avon, incurring significantly higher costs and longer repair turnaround times. The existing 2-post lift will be relocated to another area in the workshop to be used on lighter duty service vehicles, thus allowing multiple vehicles to be serviced at once which increases staff productivity and efficiency.

Consequences of Problem:

The District will continue to face several operational and financial challenges. The current lift, with its 10,000-lb capacity, will remain inadequate for servicing the heavier vehicles within the fleet. This limitation will require the continued outsourcing of these services to the town of Avon, resulting in ongoing higher costs and extended repair turnaround times. The opportunity to increase productivity and efficiency by relocating the existing lift for lighter-duty vehicles will be lost, further straining the District’s maintenance operations. Ultimately, the District's ability to maintain its fleet in a timely and cost-effective manner will be impacted. The new lift will also eliminate the safety risks to staff.

Proposed Solution:

The proposed solution is to procure the new 4-post vehicle lift and relocate the existing 2-post list, giving us the ability to safely service all size vehicles. It also gives us the ability to efficiently utilize two individual lifts, allowing staff to be more productive.

Costs:

Source: Capital

Costs	2025
Purchase of a new 4-post WHIP vehicle lift	40,000
Totals:	40,000

**13. Name of Request: ERWSD Analyzer Replacement Allowance
 Department: Water**

Problem or Opportunity:

Analyzers and instrumentation purchased for the District system are currently budgeted and tracked through the general facility CRP equipment repair account, while the Authority has a dedicated analyzer replacement CRP budget. Establishing a dedicated District analyzer replacement budget line item will standardize procurement, budgeting, and tracking processes across both systems. Since aging equipment requires replacement every 5-10 years, this fund will ensure consistent upkeep and replacement planning.

Consequences of Problem:

Inefficient Tracking and Procurement

Proposed Solution:

Purchase analyzers under a dedicated CRP line for accurate budgeting and tracking.

Costs:

Source: Capital

Costs	2025	2026	2027
Analyzer Instrumentation	25,000	25,000	25,000
Totals:	25,000	25,000	25,000

14. Name of Request: FTE Project Manager II
Department: Operations

Problem or Opportunity:

The operations management team does not have capacity to effectively manage complex, time-consuming and coordination-heavy projects. This has resulted in excessive workload and fatigue for the leadership team, unnecessary project inefficiencies, equipment and safety risk, and overall program stagnation.

Consequences of Problem:

The lack of project management support staff has resulted in excessive workload and fatigue across the leadership team. There is a significant risk of burnout and turnover. Furthermore, many important projects have been delayed or indefinitely deferred. Projects that have been executed have not been well-coordinated and were plagued with unnecessary inefficiency, equipment damage, and safety-related issues. The lack of project management support staff has also forced the operations management team into a reactionary posture. Department managers simply do not have the capacity to work on proactive and strategic-level goals when they are continually forced to react to and resolve emergency incidents. As a result, the operations department leadership team has struggled to make progress with its highest priority visionary objectives centered around staff capacity development, operational consistency, program documentation, training programs, and long-term strategic planning.

Proposed Solution:

The requested position will assume project management responsibilities that are currently performed by operations department managers. The position be responsible for managing complex operational projects and programs across the entire operations department. Specifically, the position will manage large repair and maintenance project that require external contractor coordination and cross-departmental. Major projects for 2025 include: sewer collection interceptor characterization and rehabilitation, sewer manhole rehabilitation and replacement, water distribution system infrastructure replacement, electrical MCC cleaning, and major equipment replacement at the drinking and wastewater treatment facilities. The position will also assist with coordination and oversight of emergency repair projects including water main breaks, sanitary sewer surcharge incidents, spill response, and equipment failures. Finally, the position will assist managers with high-level coordination tasks including master planning, capital project planning, budgetary planning, water quality planning, training plan development, and operation and maintenance (O&M) plan development.

Costs:

Source: Operating

Costs	2024	2025	2026
Salary and Benefits	185,820	190,465	195,111
Supplies	500	500	500
Telephone/Computer/Software	2,100	1,500	1,500
Other (Computer, initial desk, furniture)	3,000		
Totals:	191,420	192,465	197,111

15. Name of Request: Safety Emergency Preparedness

Department: Operations

Problem or Opportunity:

The Water Conservation team has a unique opportunity to aide in the automation, data analysis and process improvement concepts for the entire District, expanding their roles into an organizational wide concept. While working towards understanding and bettering our data collection and analysis processes, the District wholistically is in need or more of these functions. Under the current staffing, the water conservation data staff and leadership are overloaded with the current workload.

Consequences of Problem:

Staff are in a reactive state, and we are at risk of burnout, we are seeing potential analysis that cannot be analyzed nor aide other departmental focuses.

Proposed Solution:

Hire one systems analyst with at least 3-5 years of work experience post-college who can support the data science team at a high level, including support for data management, data processing, process improvements, and to support cross-training. This person would support data science needs and bring in some desired data skills to the outreach side. Adding this capacity will help relieve some of our most urgent challenges and provide some space for leadership to move into a more strategic planning focus and grow into accommodating the needs of the District in other departments.

Costs:

Source: Operating

Costs	2025	2026	2027
Emergency Preparedness Budget	25,000	25,000	25,000
Totals:	25,000	25,000	25,000

16. Water Conservation Systems Analyst

Problem or Opportunity:

Funds have not been specifically budgeted in previous years for emergency preparedness-related studies, improvements projects, and equipment. The lack of specific line items in the budget has created two primary problems: 1) a lack of funding to complete critical emergency preparedness projects such as those identified in the Risk and Resiliency Analysis (RRA) and 2) unnecessary administrative and accounting challenges because funds for emergency preparedness-related work must be identified and transferred from various O&M accounts across participating departments.

Consequences of Problem:

- Continued lack of funding for critical emergency preparedness programs, projects, and equipment.
- Continued unnecessary administrative and accounting inefficiencies with budget transfers from other O&M accounts.
- Emergency Preparedness Program

Proposed Solution:

Create line items in the annual O&M budgets for an emergency preparedness program. The funds will be used for planning, special studies, improvements projects, and equipment. Line items will be created in the Water, Wastewater, and Field Operations department O&M budgets.

Costs:

Source: Operating

Costs	2024	2025	2026
Salary and Benefits	\$112,122	\$112,122	\$112,122
Supplies	500	500	500
Telephone/Computer/Software	2,100	2,100	2,100
Other (Computer, initial desk, furniture)	3,000	3,000	3,000
Reduction of costs (Insurance premiums P&L and Health benefits)	-\$117,722	-\$117,722	-\$117,722
Totals:	\$0	\$0	\$0

Appendix A: 10-Year Capital Plan

Appendix B: Capital Project Narratives

Appendix C: Line-Item Detail

Appendix D: River District Funding Consideration Letter

Appendix E: Organizational Chart

Appendix A: 10-Year Capital Plan

Wastewater															
Account/Project Name	Departments	Project Type	24 Revised Budget	YE Proj	Est. Carryforward	2025 Proposed	2026	2027	2028	2029	2030	2031	2032	2033	2034
10-3-2-10-07-100 Gore Valley Trail @ Dowd Jct. Repair	Engineering	Bond Project	312,243	350,000	-	-	-	-	-	-	-	-	-	-	-
10-3-2-10-01-006 Dowd Junction Collection System Improve.	Field Ops	Bond Project	1,749,645	1,251,115	248,530	-	-	-	-	-	-	-	-	-	-
10-3-2-10-01-012 Minturn Siphon Project	Field Ops	Bond Project	515,184	100,000	415,184	1,100,000	-	-	-	-	-	-	-	-	-
10-3-2-10-01-019 Cascade Sewer Main Project	Field Ops	Bond Project	700,000	150,000	550,000	-	3,000,000	-	-	-	-	-	-	-	-
10-3-2-10-05-159 Field and Fleet HQ at AWWTF	Field Ops	Bond Project	-	-	-	-	-	-	-	-	250,000	4,000,000	-	-	-
10-3-2-10-03-002 2022 WW Master Plan Update	WasteWater	Bond Project	177,984	177,984	-	-	-	-	-	-	-	-	-	-	-
10-3-2-10-03-316 VWWTF Master Plan Capital Improvements	WasteWater	Bond Project	3,669,726	3,594,535	75,191	500,000	-	-	-	-	-	-	-	-	-
10-3-2-10-03-447 AWWTF Nutrient Upgrades	WasteWater	Bond Project	250,000	142,110	-	-	-	-	-	-	-	-	-	-	-
10-3-2-10-03-505 EWWTF Nutrient Upgrades	WasteWater	Bond Project	4,000,000	2,891,733	1,108,267	7,665,200	15,000,000	29,000,000	29,000,000	8,834,841	-	-	-	-	-
10-1-2-10-05-057 Hillcrest Field Operations Facility	Field Ops	Capital	97,722	(953)	-	-	-	-	-	-	1,000,000	-	-	-	-
10-3-2-10-01-009 Collection System Master Plan	Field Ops	Capital	100,000	100,000	-	-	-	-	-	-	-	-	-	-	-
10-3-2-10-01-011 Vail WWTF Area Bypass and Collection Upgrades	Field Ops	Capital	-	-	-	-	-	-	-	-	75,000	506,000	-	-	-
10-3-2-10-01-045 Forest Rd./Rockledge Private Sewer Replacement	Field Ops	Capital	302,000	-	-	-	-	-	-	-	-	-	-	-	-
10-3-2-10-01-130 Intermountain Interceptor Collection Upgrades	Field Ops	Capital	-	-	-	75,000	500,000	-	-	-	-	-	-	-	-
10-3-2-10-20-108 CRP- Sewer aerial crossing improvements	Field Ops	Capital	-	-	-	100,000	-	-	-	-	-	-	-	-	-
10-3-2-10-20-107 CRP-Sewer interceptor rehabilitation	Field Ops	Capital	-	-	-	250,000	-	-	-	-	-	-	-	-	-
10-1-2-10-05-056 Housing Acquisitions	Housing	Capital	675,473	675,473	-	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000
10-3-2-10-03-701 ICP-MS Lab Equipment	Lab	Capital	78,302	25,000	53,302	-	-	-	-	-	-	-	-	-	-
10-3-2-10-03-702 FIA	Lab	Capital	125,000	125,000	-	-	-	-	-	-	-	-	-	-	-
10-3-2-10-03-126 AWWTF EQ Room Re-roof	WasteWater	Capital	-	-	-	-	-	-	600,000	-	-	-	-	-	-
10-3-2-10-03-127 VWWTF Reg 31 Improvements	WasteWater	Capital	-	-	-	-	-	-	-	3,555,000	3,555,000	21,330,000	21,330,000	21,330,000	-
10-3-2-10-03-339 VWWTF Master Plan Capital Improvements Phase 2	WasteWater	Capital	-	-	-	-	-	-	-	500,000	1,000,000	5,410,000	5,410,000	-	-
10-3-2-10-03-530 CRP- EWWTF Centrifuge	WasteWater	Capital	135,000	-	135,000	-	-	-	-	-	-	-	-	-	-
10-3-2-10-03-531 EWW GT and SC Coatings	WasteWater	Capital	100,000	-	-	-	-	-	-	-	-	-	-	-	-
10-3-2-10-01-027 CRP-Sewer Capital Replacement Program	Field Ops	CRP	100,000	402,000	-	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
10-3-2-10-01-043 CRP-I & I Reduction - District wide	Field Ops	CRP	100,000	100,000	-	250,000	250,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
10-1-2-10-80-100 CRP-Employee Housing	Housing	CRP	175,000	200,000	-	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000
10-1-2-10-80-101 CRP- Safety & Security	People Ops	CRP	10,000	10,000	-	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
10-3-2-10-11-117 CRP-VWWTF Plant Repairs	WasteWater	CRP	50,000	50,000	-	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000
10-3-2-10-12-126 CRP-AWWTF Plant Repairs	WasteWater	CRP	30,000	22,284	-	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000
10-3-2-10-13-114 CRP-EWWTF Plant Repairs	WasteWater	CRP	200,000	209,241	-	250,000	150,000	725,000	25,000	25,000	50,000	50,000	50,000	50,000	50,000
10-3-2-10-13-115 EWWTF Biofilter Media Replacement	WasteWater	CRP	469,623	450,172	19,451	-	-	-	-	-	-	-	-	-	-
Total Wastewater			14,122,902	11,025,695	2,604,925	10,825,200	19,535,000	30,460,000	30,360,000	13,649,841	6,665,000	32,031,000	27,525,000	22,115,000	785,000

Vail Water															
Account/Project Name	Departments	Project Type	24 Revised Budget	YE Proj	Est. Carryforward	2025 Proposed	2026	2027	2028	2029	2030	2031	2032	2033	2034
10-3-2-20-09-136 Bolts Lake Reservoir	Engineering	Bond Project	535,627	535,627	-	506,300	381,250	543,750	543,750	4,568,750	7,531,250	7,531,250	7,531,250	-	-
10-3-2-20-09-026 Main Gore Place Waterline Improvement	Field Ops	Bond Project	88,228	50,000	38,228	1,100,000	-	-	-	-	-	-	-	-	-
10-3-2-20-09-718 Glen Falls Drive Watermain Replacement	Field Ops	Bond Project	-	-	-	-	-	-	200,000	2,500,000	-	-	-	-	-
10-3-2-20-09-719 Lionsridge Loop	Field Ops	Bond Project	-	-	-	-	-	-	-	200,000	2,500,000	-	-	-	-
10-3-2-20-09-028 Booth Falls Emergency Power	Ops Tech	Bond Project	200,000	157,826	42,174	1,850,000	-	-	-	-	-	-	-	-	-
10-3-2-20-09-000 Well R7 Replacement	Water	Bond Project	-	-	-	150,000	1,000,000	1,000,000	-	-	-	-	-	-	-
10-3-2-20-09-024 N. Frontage Road Water Main Connection	Water	Bond Project	525,918	537,927	-	-	-	-	-	-	-	-	-	-	-
10-3-2-20-09-025 West Vail Water Distribution Improvements	Water	Bond Project	-	-	-	200,000	1,000,000	1,000,000	-	-	-	-	-	-	-
10-3-2-20-09-027 Vail Tank 4 Rehabilitation (Cap Water)	Water	Bond Project	150,000	100,000	50,000	2,000,000	-	-	-	-	-	-	-	-	-
10-3-2-20-09-016 Water Treatment Master Plan-	Water	Capital	91,598	-	91,598	-	-	-	-	-	100,000	-	-	-	100,000
10-3-2-20-09-018 Water System Emergency Power	Water	Capital	63,889	20,000	20,000	-	-	-	-	-	-	-	-	-	-
10-3-2-20-09-022 West Vail Flow Control Improvements	Water	Capital	100,061	75,000	25,061	-	-	-	-	-	-	-	-	-	-
10-3-2-20-09-720 East Vail Production Improvements	Water	Capital	-	-	-	-	-	-	-	-	250,000	2,500,000	1,000,000	-	-
10-3-2-20-09-447 CRP-Vail Water Capital Replacement Program	Field Ops	CRP	107,222	107,222	-	75,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000
10-3-2-20-09-019 CRP-Water Storage Tank Misc. Improvements	Water	CRP	100,000	67,127	-	150,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
10-3-2-20-09-020 CRP-Vail Wtr System Repairs	Water	CRP	75,000	75,000	-	75,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
10-3-2-20-09-029 Well R7 Refurbishment	Water	CRP	-	310,114	-	-	-	-	-	-	-	-	-	-	-
10-3-2-20-09-260 ERWSD Analyzer Replacement Allowance	Water	CRP	-	-	-	25,000	-	-	-	-	-	-	-	-	-
10-3-2-20-30-112 CRP-Distribution Industrial Painting	Water	CRP	50,000	-	-	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000
Total Water			2,087,543	2,035,844	267,061	6,181,300	2,681,250	2,843,750	1,043,750	7,568,750	10,681,250	10,331,250	8,831,250	300,000	400,000

Appendix A: 10-Year Capital Plan

Account/Project Name	Departments	Project Type	24 Revised Budget	YE Proj	Allocated											
					Est. Carryforward	2025 Proposed	2026	2027	2028	2029	2030	2031	2032	2033	2034	
10-3-2-00-07-301 Greenhouse Gas Inventory	Engineering	Capital	104,686	4,686	-	-	-	-	-	-	-	-	-	-	-	-
10-3-2-00-07-150 Jetting Truck	Field Ops	Capital	-	20	-	-	-	-	-	-	-	-	-	-	-	-
10-1-2-00-45-307 Cameras for RTU Sites	IT	Capital	46,175	46,175	-	-	-	-	-	-	-	-	-	-	-	-
10-1-2-00-45-308 Stone Security Control Access	IT	Capital	50,000	50,000	50,000	-	-	-	-	-	-	-	-	-	-	-
10-1-2-00-45-314 Microwave Backbone Project	IT	Capital	18,760	18,760	-	-	-	-	-	-	-	-	-	-	-	-
10-1-2-00-45-321 IT Capital Hardware	IT	Capital	125,000	127,416	125,000	-	-	-	-	-	-	-	-	-	-	-
10-1-2-00-45-322 Dowd Junction Communication Tower	IT	Capital	50,000	15,000	35,000	50,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
10-1-2-00-45-325 Nimble Storage Replacement	IT	Capital	590,155	613,850	-	-	-	-	-	-	-	-	-	-	-	-
10-1-2-00-45-327 FortiSandbox	IT	Capital	26,554	27,006	-	-	-	-	-	-	-	-	-	-	-	-
10-1-2-00-45-328 CRP- Cisco Phone System	IT	Capital	38,602	38,602	-	-	-	-	-	-	-	-	-	-	-	-
10-1-2-00-45-329 ADWF Redundant HVAC	IT	Capital	70,000	72,660	-	-	-	-	-	-	-	-	-	-	-	-
10-1-2-00-45-106 CRP-GIS Improvements	Engineering	CRP	1,500	-	-	-	-	-	-	-	-	-	-	-	-	-
10-1-2-00-45-137 CRP-GPS Unit Replacement	Engineering	CRP	-	-	11,000	40,000	-	-	-	-	-	-	50,000	-	-	-
10-3-2-00-20-102 CRP-Locators & Correlators	Field Ops	CRP	10,000	11,712	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000
10-1-2-00-45-109 CRP-Server & Network Improvements	IT	CRP	50,000	93,642	100,000	-	-	-	-	-	-	-	-	-	-	-
10-1-2-00-45-124 CRP-Desktop/Laptop Improvement Upgrade	IT	CRP	163,000	197,153	140,000	140,000	140,000	140,000	140,000	140,000	140,000	140,000	140,000	140,000	140,000	140,000
10-1-2-00-45-125 CRP-Printers Improvement Upgrade	IT	CRP	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
10-1-2-00-45-128 CRP- Low Voltage Wiring	IT	CRP	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000
10-1-2-00-45-139 CRP-ADWF Server Room Project	IT	CRP	-	150,000	300,000	-	-	-	-	-	-	-	-	-	-	-
10-1-2-00-45-200 CRP-Portable Radio Upgrade	IT	CRP	25,000	25,000	25,000	-	-	-	-	-	-	-	-	-	-	-
10-1-2-00-45-330 OMS Solution	IT	CRP	-	-	50,000	-	-	-	-	-	-	-	-	-	-	-
10-1-2-00-45-331 Truck WiFi	IT	CRP	-	-	126,500	-	-	-	-	-	-	-	-	-	-	-
10-3-2-00-35-100 CRP-Lab Equipment Replacement	Lab	CRP	-	-	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
10-1-2-00-47-100 CRP-OTS Spare Parts Inventory	Ops Tech	CRP	10,000	10,000	-	-	-	-	-	-	-	-	-	-	-	-
10-1-2-00-05-142 CRP-Building Remodels or Major Repairs	Utility Services	CRP	206,915	133,209	25,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000
10-3-2-00-07-309 CRP Heavy Equipment	Utility Services	CRP	248,480	247,719	710,000	-	-	-	-	-	-	-	-	-	-	-
10-3-2-00-07-310 CRP-Vehicle Replacement Program	Utility Services	CRP	215,740	315,000	115,000	115,000	115,000	115,000	115,000	115,000	115,000	115,000	115,000	115,000	115,000	115,000
10-3-2-00-20-101 CRP-Asphalt Seal & Stripe	Utility Services	CRP	25,000	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Allocated			2,135,567	2,257,610	35,000	1,912,500	440,000	400,000	400,000	400,000	400,000	400,000	450,000	400,000	400,000	400,000
Total CIP			18,346,012	15,319,148	2,906,986	18,919,000	22,656,250	33,703,750	31,803,750	21,618,591	17,746,250	42,812,250	36,756,250	22,815,000	1,585,000	

Appendix B

ERWSD Capital Project Budget Narratives

Engineering

Project Name: Bolts Lake Reservoir		Account Code: 10.3.2.20.09.136
Project Description: 25% share of the costs of initial due diligence, land acquisition, permitting, design, and construction of the Bolts Lake Reservoir, located south of Minturn.		
Statement of Need: Needed to provide strategic in-basin storage to meet demands of future development, provide minimum in-stream flows, and hedge against uncertainty of climate change		
2025 Budget Request: 553,331 (ERWSD)		
Total Project Budget: 33,476,978 (ERWSD)		
Basis of Estimate: One fourth of actual land costs, conceptual estimates from similar projects on design, permitting, and construction costs. Estimate recently updated by Program Manager.		
Engineer: Black & Veatch (Program Manager)		Project Manager: Justin Hildreth

Project Name: CRP-GPS Unit Replacement		Account Code: 10.1.2.00.45.137
Project Description: Recurring account for the upgrade of high accuracy GPS units to support field operations, as-built drawing verification, and CIP projects.		
Statement of Need: Our existing high accuracy GPS units are antiquated and need replacement which supports the District's on going efforts to verify and collect our field assets in a more accurate and timely manner. The combined GIS and Asset Management data is also used for submitting to state and federal levels for permits and annual reports.		
2025 Budget Request: 11,000		
Total Project Budget: 126,498		
Basis of Estimate: Vendor quotes		
Engineer: NA		Project Manager: Jennie Koenig

Field Operations

Project Name: CRP-Locators and Correlators		Account Code: 10.3.2.00.20.102
Project Description: Annual account for the purchase of location and correlation equipment.		
Statement of Need: Annual account, the need for locating and correlating equipment is increasing for utility locates and leak detection in the distribution system.		
2025 Budget Request: 15,000		
Total Project Budget: Annual		
Basis of Estimate: Annual budget based on past expenditures		
Engineer: NA		Project Manager: Niko Nemcanin/ Mike Thompson

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ERWSD Capital Project Budget Narratives

Project Name: CRP – Sewer Capital Replacement Program	Account Code: 10.3.2.10.01.027
Project Description: Annual account for small projects to correct deficiencies or maintenance issues such as dead-end lines, rehabilitation of manholes, insulating shallow lines, etc. Some small projects originate in Construction Review Team (CRT).	
Statement of Need: Annual account, commonly spent on replacing or repairing aging infrastructure or having funds available to partner with other entities' roadway projects. In 2024 was utilized for interceptor lining and rehabilitation; it is anticipated that this program will continue and in some cases, expand in future years.	
2025 Budget Request: 100,000	
Total Project Budget: Annual	
Basis of Estimate: Past annual expenditures	
Engineer: N/A	Project Manager: Niko Nemcanin

Project Name: I&I Reduction – District Wide	Account Code: 10.3.2.10.01.043
Project Description: Annual account for to address inflow and infiltration (I&I) as identified by District staff.	
Statement of Need: Annual account, commonly spent on replacing or repairing aging infrastructure or having funds available to partner with other entities' roadway projects. Budget request increased from 100,000 to 250,000 to address recent interceptor condition findings and associated rehabilitation work.	
2025 Budget Request: 250,000	
Total Project Budget: Annual	
Basis of Estimate: Past annual expenditures/project costs	
Engineer: N/A	Project Manager: Niko Nemcanin

Project Name: CRP – Vail Water Capital Replacement Program	Account Code: 10.3.2.20.09.447
Project Description: Annual account for small projects such as small mainline extensions, replacements, or hydrant relocations for the Vail Water System.	
Statement of Need: Annual account for large purchase/small projects related to water mains and appurtenances in the Vail water system. Examples would include: working with developers/other entities on small projects, hydrant relocations, large pump station and PRV repairs or equipment purchases, etc. 2023 expenditures included valve installation in the Matterhorn area and a planned line abandonment near Vail International.	
2025 Budget Request: 75,000	
Total Project Budget: Annual	
Basis of Estimate: Annual account, based on potential expenditures	
Engineer: N/A	Project Manager: Niko Nemcanin

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ERWSD Capital Project Budget Narratives

Project Name: CRP – Distribution Industrial Painting	Account Code: 10.3.2.20.30.112
Project Description: Annual account for small industrial painting projects at distribution system facilities such as PRV vaults and pump stations.	
Statement of Need: Annual account for painting various water system appurtenances. Industrial coatings are critical to extend the lifespan of various system assets due to corrosion.	
2025 Budget Request: 50,000	
Total Project Budget: Annual	
Basis of Estimate: Annual account, based on roughly 2-3 facilities per year	
Engineer: N/A	Project Manager: Niko Nemcanin

Project Name: Minturn Siphon Project	Account Code: 10.3.2.10.01.012
Project Description: Wastewater flow through Minturn passes through an inverted siphon beneath the Eagle River. The siphon has long been a maintenance concern and accessing the upstream manhole is a safety concern. An in-house condition assessment was performed in late 2023 which better defined the scope of work to rehabilitation rather than replacement.	
Statement of Need: This project was in previous CIP plans, was removed, and resurfaced during the Collection System Master Planning effort. The siphon has twin barrels for a duty/standby configuration, but the upstream flow splitting structure is not functional, so both barrels run at half of the design velocity, therefore increasing solids deposition. The manhole also has unsafe access in a steep embankment between US 24 and the Eagle River. Due to the in-house condition assessment, the pipeline will likely be a candidate for in-situ lining.	
2025 Budget Request: 1,100,000	
Total Project Budget: 1,650,000	
Basis of Estimate: Conceptual engineer's estimate plus escalation	
Engineer: Kimley-Horn	Project Manager: Mark Mantua

Project Name: Cascade Skier Bridge Sewer Main	Account Code: 10.3.2.10.01.019
Project Description: The sewer interceptor flows along Gore Creek west of the Vail WWTF. At the Cascade Skier Bridge there exists an unprotected pipeline crossing in the creek in a deteriorated condition. This project was identified in the 'High Priority Capital Projects' deliverable provided during the Collection System MP effort.	
Statement of Need: The section of pipeline crossing Gore Creek exhibited structural damage and is located in the creek, resulting in a high consequence of failure. An emergency repair was performed on the pipeline in Fall of 2011. Further, I&I is clearly exhibited in the inspection data. This project was prioritized ahead of others due to its location downstream of the Vail WWTF as it likely requires increased capacity to meet our plant bypass flows and overall nutrient management strategy.	
2025 Budget Request: NA – estimated 550,000 carry forward from 2024	
Total Project Budget: 3,700,000	
Basis of Estimate: Conceptual engineer's estimate plus escalation	
Engineer: Consor	Project Manager: Kevin Nelson

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ERWSD Capital Project Budget Narratives

Project Name: West Vail Water Distribution Improvements	Account Code: 10.3.2.20.09.025
<p>Project Description: This project, formerly known as Lower Glen Lyon Fire Flow Improvements, was originally conceived in the 2020 Distribution System Master Plan and involved a pipeline, pressure reducing valve (PRV) vault, and associated controls to connect the Core Vail pressure zone to the Lower Glen Lyon pressure zone to increase available fire flow (AFF). The presence of numerous line breaks, insufficient pipe diameters, and non-functioning PRVs in the zone led to development of a 'West Vail Mini Master Plan' in 2024. This plan outlines a multi-year pipeline replacement program, PRV rehabs, and abandonment of risky back lot pipelines and reconnection to new mainlines in rights of way.</p>	
<p>Statement of Need: The Lower Glen Lyon zone exhibits inadequate fire flows near the Cascade Village area, aging infrastructure highlighted by numerous line breaks in winter 2024, inadequate pipe sizes located in back lot easements, and multiple non-functioning or bypassed PRV station. This project is a key step in addressing risky aging infrastructure in the Vail Water system. In addition, the interconnect pipeline by which water is uploaded/downloaded between the Vail and down valley system exhibits some water quality issues for part of the year. This project will address those issues and begin much needed improvement in the West Vail area from Glen Lyon to Highland Meadows. Planned redevelopment of properties in the area could mean developer contributions to new mainlines.</p>	
2025 Budget Request: 200,000	
Total Project Budget: 2,200,000	
Basis of Estimate: 2024 Master Planning Document	
Engineer: TBD	Project Manager: TBD

Project Name: Main Gore Place Water Main Replacement	Account Code: 10.3.2.20.09.026
<p>Project Description: This project involves replacement of undersized and end of life water main in East Vail. This location was the site of a costly, time-consuming emergency repair in 2021, and there is concern that additional failures are possible. A proactive solution is always a better value than a reactive solution. The project is at the 60% design level, with geotechnical engineering complete and utility potholing and design completion scheduled for Fall 2024. Construction was pushed to 2025 to allow time to work with the local homeowners association on potential private service line replacements.</p>	
<p>Statement of Need: In 2021 a water main break caused emergency replacement of 36' of water main at an astronomical cost. It revealed corrosion issues, poor bedding conditions, high groundwater, and interference with the nearby sewer main. This has been identified as a high priority by Field Operations.</p>	
2025 Budget Request: 1,100,000	
Total Project Budget: 1,248,000	
Basis of Estimate: Design contracting plus anticipated pipeline unit costs	
Engineer: JVA, Inc.	Project Manager: Dan Duerr

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ERWSD Capital Project Budget Narratives

Project Name: Intermountain Interceptor Collection Upgrades	Account Code: 10.3.2.10.01.130
Project Description: Based on the results of flow testing in the collection system, this project consists of replacement of an undersized segment of interceptor pipeline at the western end of the South Frontage Road in Intermountain.	
Statement of Need: Flow testing revealed a hydraulic bottleneck in approximately 500 linear feet (LF) of 12" diameter sewer pipeline. Surrounding pipes are 18" diameter. The ability to bypass wastewater flows is an important operational tool in managing the three connected WWTFs. We anticipate design in 2025 with construction following in 2026.	
2025 Budget Request: 75,000	
Total Project Budget: 575,000	
Basis of Estimate: Unit price estimate from similar projects	
Engineer: TBD	Project Manager: Not assigned

Housing

Project Name: Land and Facility Acquisitions	Account Code: 10.1.2.10.05.056
Project Description: Future housing needs and potential partnerships. Existing account used for Eagle Vail Office acquisition.	
Statement of Need: Address housing crisis by investing in housing in the valley in the form of land acquisitions, dense housing collaborations or traditional builds. Request is to build up a fund balance for future acquisitions.	
2025 Budget Request: 250,000	
Total Project Budget: 8,026,129	
Basis of Estimate: Market estimates and appraisals	
Engineer: N/A	Project Manager: David Norris

Project Name: CRP-Employee Housing	Account Code: 10.1.2.10.80.100
Project Description: Updates to our housing fleet to address updating and upkeep as capital expenses.	
Statement of Need: Upkeep and capital improvements in our housing properties. Increased housing turnover typically leads to more remodeling/updates needed.	
2024 Budget Request: 200,000	
Total Project Budget: Annual	
Basis of Estimate: Vendor Quote	
Engineer: N/A	Project Manager: Michael Beardsley

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ERWSD Capital Project Budget Narratives

IT

Project Name: CRP-Server & Network Improvements	Account Code: 10.1.2.00.45.109
Project Description: This capital entry is to allow for the slow and progressive improvement of our network and server environments. As hardware reaches the end of its useful life it needs to be replaced with current technology.	
Statement of Need: Annual account for continual network improvements.	
2025 Budget Request: 100,000	
Total Project Budget: Annual	
Basis of Estimate: Annual estimate based on previous expenditures.	
Engineer: NA	Project Manager: Justin Way

Project Name: CRP-Desktop/Laptop Improvement Upgrade	Account Code: 10.1.2.00.45.124
Project Description: This capital entry is allotted for the purchase of new laptops and tablets for employees on a proactive replacement schedule.	
Statement of Need: New staffing and aging equipment requires continual purchase of new equipment. We have now adopted a proactive laptop replacement schedule to replace laptops older than 3 years of age. This budget will fund replacement of aging hardware.	
2025 Budget Request: 140,000	
Total Project Budget: Annual	
Basis of Estimate: Annual estimate based on previous expenditures.	
Engineer: NA	Project Manager: Justin Way

Project Name: CRP-Printers Improvements Upgrade	Account Code: 10.1.2.00.45.125
Project Description: This capital entry provides a place holder to purchase a new printer for an office location. We replace our multifunction copiers as they reach end of life. We are on a rotation to replace one per year.	
Statement of Need: Annual printer purchase as equipment becomes obsolete.	
2025 Budget Request: 10,000	
Total Project Budget: Annual	
Basis of Estimate: Annual estimate assuming replacement of one unit per year.	
Engineer: NA	Project Manager: Justin Way

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ERWSD Capital Project Budget Narratives

Project Name: CRP-Low Voltage Wiring		Account Code: 10.1.2.00.45.128	
Project Description: This capital replacement account funds all low voltage wiring including network cabling, communications lines, fiber optic lines, and rewiring of radios and microwaves as needed. Through this capital replacement budget, we have methodically replaced and upgraded low voltage cabling throughout our facilities.			
Statement of Need: Low voltage wiring has a life expectancy around 15 years. This is a project that not only reflects the plants and facilities but also addresses when an office is rearranged or remodeled, or an employee moves to a new location where network cabling did not exist prior. This also covers new fiber optic installations.			
2025 Budget Request: 50,000			
Total Project Budget: Annual			
Basis of Estimate: Annual estimate based on previous expenditures.			
Engineer: NA		Project Manager: Justin Way	

Project Name: CRP-Portable Radio Upgrade		Account Code: 10.1.2.00.45.200	
Project Description: This capital replacement account provides funding for our 800 MHz handled radios relied upon by water, wastewater, field operations, and all members of an incident command system during emergencies.			
Statement of Need: Annual account to fund 800MHz radio system.			
2025 Budget Request: 25,000			
Total Project Budget: Annual			
Basis of Estimate: Annual estimate assuming replacement of five units per year.			
Engineer: NA		Project Manager: Justin Way	

Project Name: Stone Security Control Access		Account Code: 10.1.2.00.45.308	
Project Description: This ongoing capital project reserves funds for future door lock upgrades and surveillance upgrades at all facilities. As new locations come online, and plant expansion occurs, we need to maintain funding to secure these facilities per NIST SP 800-171 physical security requirements.			
Statement of Need: The main project was implemented in 2020 to better establish security at our facilities, in compliance with homeland security requirements and operator safety.			
2025 Budget Request: 50,000			
Total Project Budget: 1,635,368			
Basis of Estimate: Annual estimate based on previous expenditures			
Engineer: NA		Project Manager: Justin Way	

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ERWSD Capital Project Budget Narratives

Project Name: IT Capital Hardware	Account Code: 10.1.2.00.45.321
Project Description: This ongoing capital account is for any IT hardware which needs to be capitalized. We have reduced the operating hardware budget line accordingly to create a capital account for this purpose.	
Statement of Need: Create a capital account for IT hardware	
2025 Budget Request: 125,000	
Total Project Budget: 549,128	
Basis of Estimate: Annual estimate based on previous expenditures	
Engineer: NA	Project Manager: Justin Way

Project Name: Dowd Junction Communication Tower	Account Code: 10.1.2.00.45.322
Project Description: This ongoing capital account is for the preliminary engineering, permitting, and design of a future communications tower at Dowd Junction. This tower would eliminate our current program of leasing space on the existing tower owned by American Tower. This tower provides ISP redundancy to our networks by providing alternate pathing through our Microwave backbone should an ISP outage occur.	
Statement of Need: Construct a communication tower on Dowd Junction. Existing lease is subject to a third-party involvement and does not meet our resiliency and security needs.	
2025 Budget Request: 50,000	
Total Project Budget: 270,000	
Basis of Estimate: Annual estimate based on previous expenditures	
Engineer: NA	Project Manager: Justin Way

Lab

Project Name: CRP – Lab Equipment Replacement	Account Code: 10.3.2.00.35.100
Project Description: Annual account for large purchases of laboratory equipment.	
Statement of Need: Annual account, laboratory equipment is very specialized and potentially costly such as lab-grade dishwasher for glassware, etc.	
2024 Budget Request: 10,000	
Total Project Budget: Annual	
Basis of Estimate: Past annual expenditures	
Engineer: N/A	Project Manager: Leah Cribari

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ERWSD Capital Project Budget Narratives

Ops Tech

Project Name: Booth Falls Emergency Power	Account Code: 10.3.2.20.09.028
Project Description: Installation of on-site emergency power generation at the Booth Falls facility and other electrical improvements including switchgears, automatic transfer switches (ATs), wire, conduit, and controls to power the Booth Falls Chlorination Facility, the Booth Falls BPS, and the Inline BPS in the event of a power outage. Difficult site conditions will necessitate retaining walls, foundations, and equipment screening.	
Statement of Need: Power outages in East Vail can happen with unknown durations. The Booth Falls treatment facility is the recipient of water from well R7 and is the main source of water for the East Vail zone. Access to the sites with a large mobile generator is difficult and a safety concern, especially in winter months. Plus, there is not a mobile connection at the treatment facility. These treatment and pumping facilities are critical as it can feed East Vail and Core Vail pressure zones and the project is a major step in shoring up water system resiliency in the event of an emergency.	
2025 Budget Request: 1,850,000	
Total Project Budget: 2,050,000	
Basis of Estimate: Cost data from other similar project scopes	
Engineer: Tetra Tech	Project Manager: Dan Duerr

Utility Services

Project Name: CRP-Building Remodels or Major Repairs	Account Code: 10.1.2.00.05.142
Project Description: Annual account for major repairs or remodels	
Statement of Need: Items such as small office renovations, roofing, office furniture, etc. Current plans include AWWTF lower building entry improvements.	
2025 Budget Request: 25,000	
Total Project Budget: Annual	
Basis of Estimate: Annual budget based on past expenditures	
Engineer: NA	Project Manager: Shane Swartwout

Project Name: CRP-Vehicle Replacement Program	Account Code: 10.3.2.00.07.310
Project Description: Annual account for the purchase of new fleet vehicles. Supply chain issues on vehicles led to one year lead time and the program has slowed considerably. 2025 needs includes replacement of one full size field truck and one additional vehicle TBD.	
Statement of Need: Long vehicle delivery times and longer replacement intervals have considerably reduced the annual expenditures.	
2025 Budget Request: 115,000	
Total Project Budget: Annual	
Basis of Estimate: Vehicle quotes plus contingencies for staffing changes	
Engineer: NA	Project Manager: Shane Swartwout

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ERWSD Capital Project Budget Narratives

Water

Project Name: Water Treatment Master Plan	Account Code: 10.3.2.20.09.016
<p>Project Description: ERWSD portion (67/33) of a comprehensive master plan for water treatment and production facilities (plants, wells, raw water) plan using information contained in a detailed condition assessment, future growth, regulatory requirements, etc. Project originally budgeted for 2019 kickoff and due to challenges and management turnover, was contracted in 2022. The first phase of the work is complete; the second phase was not awarded due to underperformance of the consultant team. Budget being retained to complete small 'spin off' studies in 2024 or small consultant contracts to supplement in-house efforts.</p>	
<p>Statement of Need: The distribution system master plan was completed in 2020 which served as a background for system demands and identified the need for future production improvements. A comprehensive treatment/production master plan will help guide future capital needs in the water treatment/production category using the distribution plan as an input. A master plan will allow for better future capital spending data and guide the roughly \$2M/year invested in the ADWF, for example, to optimize future capital outlay to best address operational challenges, growth, regulatory changes, and obsolete or aging infrastructure replacement.</p>	
<p>2025 Budget Request: N/A – carry forward from 2024</p>	
<p>Total Project Budget: 366,668</p>	
<p>Basis of Estimate: Contract from Carollo Engineers, out year updates estimated at intervals</p>	
<p>Engineer: In-house project team</p>	<p>Project Manager: Jenna Beairsto</p>

Project Name: WST Misc. Improvements	Account Code: 10.3.2.20.09.019
<p>Project Description: Annual account for small tank rehabilitation/repair projects throughout the Vail system's water storage tank inventory.</p>	
<p>Statement of Need: Periodic tank inspections often reveal potential sanitary issues such as separated overflow pipe joints, hatch issues, etc. The account was created in response to our 2019 CDPHE Sanitary Survey and represents a proactive approach to addressing storage tank deficiencies.</p>	
<p>2025 Budget Request: 150,000</p>	
<p>Total Project Budget: Annual</p>	
<p>Basis of Estimate: Annual expenditures</p>	
<p>Engineer: N/A</p>	<p>Project Manager: Travis Young</p>

Appendix B

ERWSD Capital Project Budget Narratives

Project Name: Vail System Repairs	Account Code: 10.3.2.20.09.020
Project Description: Annual account for small projects in the Vail water system at wells and treatment facilities. The slightly larger request (75k vs normal 50k) is due to some known projects.	
Statement of Need: Annual account for planned and unforeseen purchases and projects such as analyzers, well pumps and motors, etc. 2025 Improvements likely involve improvements to the Gore Valley DWF intake structure.	
2025 Budget Request: 75,000	
Total Project Budget: Annual	
Basis of Estimate: Annual account, based on similar repair CRP accounts in Vail Water system	
Engineer: N/A	Project Manager: Kailey Rosema

Project Name: West Vail Flow Control Improvements	Account Code: 10.3.2.20.09.022
Project Description: This project was recommended in the 2020 Water System Master Plan to install flow control valves in two locations: the 1890 Buffeher PRV and the Glen Lyon PRV. The two locations have power and control capabilities nearby and should have a large positive impact on operations. Revised budget includes in-house design and implementation with small contracting efforts and the Glen Lyon location has been eliminated. The Buffeher Creek work is nearly completed. The future anticipated scope includes a check valve at the Intermountain PRV to help with water quality issues during uploading and downloading events.	
Statement of Need: The Water System MP identified a deficiency between current maximum day demand (MDD) and the production capacity of the West Vail wells. This deficiency was confirmed by operational concerns in the summer of 2020. This enables supplemental water from Vail Core to enter West Vail for redundancy and to reduce hardness concerns. The future check valve at Intermountain PRV will improve water quality during upload/download scenarios.	
2025 Budget Request: N/A – carry forward from 2024	
Total Project Budget: 175,000	
Basis of Estimate: Actual construction costs from Buffeher Creek PRV work and conceptual estimate from 2023 Distribution Master Plan Addendum memo.	
Engineer: N/A	Project Manager: Andrew Kirsch

Appendix B

ERWSD Capital Project Budget Narratives

Project Name: Water System Emergency Power	Account Code: 10.3.2.20.09.018
Project Description: This project is an ongoing effort to bolster the water distribution system's resiliency in the event of an extended power outage. The multi-year project includes a study or priority of which improvements are required at which facilities and construction of items such as generators and generator connections/transfer switches.	
Statement of Need: This budget was first approved in 2018 to address the water distribution system's ability to function during an extended power outage. Two small projects were completed, and some self-performed work at four booster pump stations in the Authority are currently underway.	
2025 Budget Request: N/A – funds rolled from 2025	
Total Project Budget: 70,000 (ERWSD)	
Basis of Estimate: N/A – ongoing multi-year implementation	
Engineer: AE2S	Project Manager: Various

Project Name: Vail Tank 4 Rehabilitation	Account Code: 10.3.2.20.09.027
Project Description: This project includes structural rehabilitation of Vail Tank 4, a 1 MG WST in the Vail Core zone, along with rehabilitation of several appurtenances such as drain valves, overflows, vents and hatches. Further detailed investigation work is planned for late 2024 along with potentially removing the soil cover to reduce the loading on the tank roof.	
Statement of Need: Issues with the tank overflow have been known since 2021, but comprehensive tank inspections in 2023 revealed what appeared to be deflection in the concrete roof slab. Additional investigation in 2024 confirmed the roof deflection and discovered roof and column cracking. Additional scope items include replacement of vent piping with lead primer paint, additional hatches, overflows, and tank drain valves. The site is located in an easement on private property with extremely difficult access and topography.	
2025 Budget Request: 2,000,000	
Total Project Budget: 2,150,000	
Basis of Estimate: Engineer's estimates in alternative analysis/basis of design report	
Engineer: Western Water Solutions	Project Manager: Dan Duerr

Project Name: Well R7 Replacement	Account Code: 10.3.2.20.09.000
Project Description: This project includes re-drilling and full replacement of the R7 well including well, pump, motor, piping, electrical and controls and other appurtenances. Above-ground replacement electrical equipment is also part of the anticipated scope.	
Statement of Need: An electrical issue caused electrical and mechanical of Well R7 in early 2024. Well R7 is the largest of the groundwater wells and the main source for East Vail. While conducting emergency repairs, a well assessment was done and it was found that the well was at the end of its useful life, first installed in 1986. In addition, nearby electrical equipment is located in a repurposed underground vault. New R7 infrastructure will aid in system resiliency as the large production capacity can be utilized throughout much of the combined water system.	
2025 Budget Request: 150,000	
Total Project Budget: 2,150,000	
Basis of Estimate: Well assessment and alternatives analysis	
Engineer: TBD	Project Manager: TBD

Appendix B

ERWSD Capital Project Budget Narratives

Wastewater

Project Name: VWWTF Master Plan Capital Improvements – Phase 1	Account Code: 10.3.2.10.03.316
Project Description: The project includes several scope items identified in the 2017 Wastewater Master Plan related to condition assessment items. The scope of work includes: Emergency Generator and associated electrical improvements, flow bypass structure, structural improvements, aeration basin diffuser replacement and UV system rehabilitation.	
Statement of Need: High priority improvements identified in 2017 Master Plan to address code compliance, equipment life cycles, and redundancy. Project was deferred for multiple years; first budgeted in 2018, this project is under construction, was originally scheduled for completion in second quarter 2024 but the discovery of asbestos in the facility pushed certain items to 2025 completion.	
2025 Budget Request: 500,000	
Total Project Budget: 12,053,008	
Basis of Estimate: Guaranteed Maximum Price (GMP) proposals and estimates from PCL construction, plus engineering support proposals	
Engineer: Black and Veatch	Project Manager: Mark Mantua

Project Name: CRP – VWWTF Plant Repairs	Account Code: 10.3.2.10.11.117
Project Description: Annual account for unforeseen or planned larger repairs such as large pump motors, etc. beyond what is captured in Operation and Maintenance budgets.	
Statement of Need: Annual account, commonly spent on replacing components of aging treatment facilities.	
2025 Budget Request: 50,000	
Total Project Budget: Annual	
Basis of Estimate: Past annual expenditures	
Engineer: N/A	Project Manager: Hazel Selandar

Project Name: CRP – AWWTF Plant Repairs	Account Code: 10.3.2.10.12.126
Project Description: Annual account for unforeseen or planned larger repairs such as large pump motors, etc. beyond what is captured in Operation and Maintenance budgets. Request amount reduced due to completion of major capital project.	
Statement of Need: Annual account, commonly spent on replacing components of aging treatment facilities.	
2025 Budget Request: 10,000	
Total Project Budget: Annual	
Basis of Estimate: Past annual expenditures	
Engineer: N/A	Project Manager: Tim Drescher

Appendix B

ERWSD Capital Project Budget Narratives

Project Name: CRP – EWTF Plant Repairs	Account Code: 10.3.2.10.13.114
Project Description: Annual account for unforeseen or planned larger repairs such as large pump motors, etc. beyond what is captured in Operation and Maintenance budgets. Typical request increased due to somewhat critical improvements such as HVAC, non potable pump strainers, and solids handling motive pump replacement.	
Statement of Need: Annual account, commonly spent on replacing components of aging treatment facilities.	
2025 Budget Request: 100,000	
Total Project Budget: Annual	
Basis of Estimate: Past annual expenditures	
Engineer: N/A	Project Manager: Zach Green

Project Name: Edwards WWTF Nutrient Upgrades	Account Code: 10.3.2.10.13.505
Project Description: Edwards is subject to Regulation 85 effluent nutrient compliance with a deadline of January 1, 2029. The scope will include aeration basin expansion, primary clarifier bypass, new internal mix liquor return (IMLR) pump station, aeration blowers, and preliminary treatment improvements. Numerous aging infrastructure assets are subject to replacement as part of the scope of work.	
Statement of Need: The project is required to meet Regulation 85 effluent nutrient limits for a 20 year growth horizon. Numerous condition assessment issues are included in the scope of work, and much of the existing facility do not meet CDPHE design criteria. Construction of a second liquid stream treatment train and primary bypassing defers the need for additional solids handling capacity.	
2025 Budget Request: 7,665,159	
Total Project Budget: 93,500,000	
Basis of Estimate: Preliminary master planning level cost estimate from engineer	
Engineer: Carollo	Project Manager: Jenna Beairsto

Project Name: VWWTF Master Plan Capital Improvements – Phase 2	Account Code: 10.3.2.10.03.339
Project Description: The project includes several scope items identified in the 2017 Wastewater Master Plan related to condition assessment items. The condition assessment was updated in 2021/22 and numerous items were scored for their criticality. This project is the second phase, with a yet undefined scope for the next set of highest priority items not completed in the current phase.	
Statement of Need: High priority improvements identified in 2017 Master Plan to address code compliance, equipment life cycles, and redundancy. This is the second phase in a three-phase condition assessment rehabilitation program at the Vail WWTF.	
2025 Budget Request: N/A – project anticipated 2029-2032	
Total Project Budget: 12,320,000	
Basis of Estimate: Escalated master plan level cost estimates plus contingency	
Engineer: TBD	Project Manager: not assigned

ERWSD
Appendix C
Line Item Detail

Row Labels	24 Revised Budget	24 Projection	25 Proposed
Operating			
Administration			
10-1-9-00-70-080 Board Meeting/Travel Expenses	11,875	11,880	11,900
10-1-9-00-70-090 Directors Fees	18,200	18,200	18,200
10-1-9-00-70-100 Election Expense		100	25,000
10-1-9-00-71-600 General Operations	30,880	45,970	57,500
10-1-9-00-71-670 Training/Travel	3,000	9,990	10,000
10-1-9-00-90-190 General Legal	130,000	105,330	105,300
10-1-9-00-90-191 General Legislative Affairs	30,000	45,610	40,000
10-3-9-00-70-050 Document Scanning	2,500	530	-
10-3-9-00-70-320 Employee Support Supplies	3,000	130	-
10-3-9-00-70-370 Office Furnishings and Equipment	5,000	1,900	11,000
10-3-9-00-70-400 Office Supplies and Printing	7,500	1,930	-
10-3-9-00-70-700 Membership Fees	4,250	4,250	-
10-3-9-00-70-800 Salaries	1,185,998	1,186,000	191,420
10-3-9-00-70-810 Temporary		23,100	-
10-3-9-00-70-830 SS Match 6.2%	73,532	73,500	-
10-3-9-00-70-840 Health/Life Insurance	237,075	237,100	-
10-3-9-00-70-850 Medicare Match	17,790	17,800	-
10-3-9-00-70-860 Pension Contribution - 401(A) Match	77,469	77,500	-
10-3-9-00-70-870 Unemployment Compensation	2,970	3,000	-
Administration Total	1,841,039	1,863,820	470,320
CIP			
10-3-9-00-25-590 RR Right-of-Way & Special Permits	-	-	1,000
10-3-9-00-25-600 Engineering Dept. Operations	-	-	1,100
10-3-9-00-25-650 On Call Engineering	-	-	10,000
10-3-9-00-25-670 Training/Travel	-	-	10,000
10-3-9-00-25-700 Membership Fees	-	-	-
10-3-9-00-25-750 Uniform Allowance	-	-	2,400
10-3-9-00-25-800 Salaries	-	507,900	940,100
10-3-9-00-25-830 SS Match 6.2%	-	31,500	58,300
10-3-9-00-25-840 Health/Life Insurance	-	75,500	146,600
10-3-9-00-25-850 Medicare Match	-	7,600	14,100
10-3-9-00-25-860 Pension Contribution 401(A) Match	-	22,200	47,000
10-3-9-00-25-870 Unemployment Compensation	-	-	1,100
CIP Total	-	644,700	1,231,700
Communications & Public Affairs			
10-1-9-00-75-060 Community Relations	25,000	22,430	24,400
10-1-9-00-75-070 Sponsorship	7,000	6,550	6,600
10-1-9-00-75-400 Office Supplies and Printing	10,000	3,900	5,000
10-1-9-00-75-600 CR Department Operations	15,320	5,720	6,400
10-1-9-00-75-670 Training/Travel	6,000	1,950	6,000
10-1-9-00-75-700 Membership Dues	12,000	5,040	8,600
10-1-9-00-75-750 Uniforms	400	300	-
10-3-9-00-70-465 Publications and Recordings	1,500	680	700
10-3-9-00-75-800 Salaries	-	-	653,500
10-3-9-00-75-810 Temporary	-	-	15,600
10-3-9-00-75-830 SS Match 6.2%	-	-	40,500
10-3-9-00-75-840 Health/Life Insurance	-	-	144,800
10-3-9-00-75-850 Medicare Match	-	-	9,800
10-3-9-00-75-860 Pension Contribution - 401(A) Match	-	-	32,700
10-3-9-00-75-870 Unemployment Compensation	-	-	1,100
Communications & Public Affairs Total	77,220	46,570	955,700
Customer Service			
10-3-9-00-50-045 After Hours Service	10,000	8,900	9,300

ERWSD
Appendix C
Line Item Detail

Row Labels	24 Revised Budget	24 Projection	25 Proposed
10-3-9-00-50-060 Automatic Bank Debit Fees	185,000	221,550	226,000
10-3-9-00-50-070 Customer Handouts	2,500	1,970	2,000
10-3-9-00-50-600 General Operations	560	560	3,000
10-3-9-00-50-100 Cust. Info Document Disposal	4,000	-	-
10-3-9-00-50-350 Bill Printing & Mailing	5,000	10,100	10,500
10-3-9-00-50-670 Training/Travel	5,000	2,620	3,500
10-3-9-00-50-800 Salaries	507,909	507,900	487,300
10-3-9-00-50-810 Temporary	21,539	21,500	-
10-3-9-00-50-820 Overtime	10,000	10,000	5,400
10-3-9-00-50-830 SS Match 6.2%	31,490	31,500	30,200
10-3-9-00-50-840 Health/Life Insurance	117,087	117,100	174,800
10-3-9-00-50-850 Medicare Match	7,619	7,600	7,300
10-3-9-00-50-860 Pension Contribution - 401(A) Match	26,148	26,100	24,400
10-3-9-00-50-870 Unemployment Compensation	1,003	1,000	800
10-3-9-00-70-455 Postage & Shipping	49,000	49,000	47,000
Customer Service Total	983,855	1,017,400	1,031,500
Engineering			
10-3-9-00-40-600 General Operations	1,200	750	-
10-3-9-00-40-170 Easements and District Boundaries	20,000	12,000	12,000
10-3-9-00-40-230 GIS Support	10,000	10,000	10,000
10-3-9-00-40-231 Aerial Imagery Subscription Fee	3,250	3,050	3,100
10-3-9-00-40-590 RR Right-of-Way & Special Permits	9,765	9,770	9,800
10-3-9-00-40-650 Engineering Planning	10,000	10,000	10,000
10-3-9-00-40-670 Training/Travel	15,000	10,210	10,000
10-3-9-00-40-700 Membership Fees	500	170	800
10-3-9-00-40-750 Uniform Allowance	1,000	700	500
10-3-9-00-40-800 Salaries	1,544,208	1,036,300	1,000,800
10-3-9-00-40-810 Temporary	-	1,400	-
10-3-9-00-40-830 SS Match 6.2%	95,741	64,300	62,100
10-3-9-00-40-840 Health/Life Insurance	331,109	255,700	195,000
10-3-9-00-40-850 Medicare Match	23,163	15,600	15,000
10-3-9-00-40-860 Pension Contribution - 401(A) Match	68,820	46,600	50,000
10-3-9-00-40-870 Unemployment Compensation	2,639	2,600	1,100
10-3-9-00-42-600 Engineering Dept. Operations	4,000	2,610	3,100
10-3-9-00-70-055 Sustainability Committee	15,000	15,000	16,200
10-3-9-10-34-010 Eagle River Watershed Council Support	25,000	25,000	25,000
10-3-9-10-34-025 Eagle River Watershed Monitoring & USGS Study	25,000	25,000	25,000
10-3-9-10-40-235 Sewer Modeling Software	7,725	7,700	8,000
10-3-9-20-30-290 Green Mountain Augmentation	36,338	-	38,200
10-3-9-20-30-295 Wolford Mtn - Augmentation	233,625	236,300	248,100
10-3-9-20-34-040 USGS Gage Contracts	90,846	90,850	97,100
10-3-9-20-90-030 Water Rights Protection	240,000	113,890	150,000
10-3-9-20-90-031 Shoshone	-	-	126,700
10-3-9-20-90-040 Drought Response Plan	55,614	55,610	-
Engineering Total	2,869,543	2,051,110	2,117,600
Field Ops			
10-1-9-00-20-800 Salaries			27,075
10-1-9-00-20-820 Overtime			6,840
10-3-9-00-20-280 Meals-On Job Field	2,400	2,400	2,400
10-3-9-00-20-400 Office Supplies	2,500	2,500	-
10-3-9-00-20-495 811 Fees	7,500	7,500	5,300
10-3-9-00-20-515 Snow Removal	10,000	-	-
10-3-9-00-20-525 Distribution Sys. Equip. & Supplies	6,000	6,000	6,000
10-3-9-00-20-560 Small Tools - Field	65,000	65,000	50,000
10-3-9-00-20-600 General Operations	202,100	333,690	5,500

ERWSD
Appendix C
Line Item Detail

Row Labels	24 Revised Budget	24 Projection	25 Proposed
10-3-9-00-20-610 Supplies	-	-	-
10-3-9-00-20-620 Supplies - Field	-	-	225,000
10-3-9-00-20-670 Training/Tuition/Certification/Travel	45,000	45,000	40,000
10-3-9-00-20-700 Membership Fees	750	750	-
10-3-9-00-20-750 Uniform Allowance	7,800	7,800	7,400
10-3-9-00-20-800 Salaries	1,805,126	1,805,100	2,022,603
10-3-9-00-20-810 Temporary	118,690	118,700	75,400
10-3-9-00-20-820 Overtime	20,000	20,700	22,000
10-3-9-00-20-830 SS Match 6.2%	111,918	111,900	119,200
10-3-9-00-20-840 Health/Life Insurance	427,470	427,500	448,900
10-3-9-00-20-850 Medicare Match	27,077	27,100	28,800
10-3-9-00-20-860 Pension Contribution - 401(A) Match	87,855	87,900	96,100
10-3-9-00-20-870 Unemployment Compensation	3,369	3,400	3,600
10-3-9-10-20-200 Electricity - Collections (Lift Stations/PRV's)	18,200	16,500	18,200
10-3-9-10-20-350 Natural Gas - Collections (Lift Stations/PRV's)	-	-	-
10-3-9-10-20-520 Repairs - Collection System	90,000	154,850	125,000
10-3-9-10-20-525 Collection System Equip & Supplies	10,000	10,000	10,000
10-3-9-10-20-535 Collection System CCTV (Vendor	125,000	125,000	150,000
10-3-9-20-20-200 Electrcity - Dist. (BPS,tanks,PRV,Heat tape)	123,800	116,700	123,800
10-3-9-20-20-520 Repair - Distribution System	150,000	280,270	275,000
10-3-9-20-20-545 FH/System Valves inspection by subcontractor	-	-	100,000
10-3-9-20-30-400 BPS/PRV - Electrical and Controls Equipment	-	-	7,500
10-3-9-20-30-490 Repairs - Building & Grounds BPS	5,000	5,000	5,000
10-3-9-20-30-505 Repairs & Maint BPS	40,000	40,780	45,000
10-3-9-20-90-009 Engineering - ERWSD Water (FO)	10,000	-	10,000
Field Ops Total	3,522,555	3,822,040	4,061,618
Finance			
10-1-9-00-70-210 Errors / Claims Settled	75,000	15,190	70,000
10-1-9-00-90-160 Audit	60,000	60,000	63,300
10-1-9-00-90-180 Financial Consulting	26,250	26,250	26,300
10-3-9-00-60-065 Chandler Admin Fees	33,600	33,600	33,600
10-3-9-00-60-600 General Operations	560	590	600
10-3-9-00-60-100 Finance Dept Admin Expense	500	500	2,000
10-3-9-00-60-400 Office Supplies	2,500	2,500	1,000
10-3-9-00-60-670 Training/Travel	7,000	7,000	5,000
10-3-9-00-60-700 Membership Fees	1,000	1,000	1,100
10-3-9-00-60-800 Salaries	724,601	724,600	934,100
10-3-9-00-60-830 SS Match 6.2%	45,391	45,400	57,900
10-3-9-00-60-840 Health/Life Insurance	160,536	160,500	178,700
10-3-9-00-60-850 Medicare Match	10,891	10,900	14,000
10-3-9-00-60-860 Pension Contribution - 401(A) Match	33,855	33,900	46,700
10-3-9-00-60-870 Unemployment Compensation	1,298	1,300	1,400
10-3-9-20-30-160 Eagle Park Oper. Assessments	180,545	189,520	120,000
Finance Total	1,363,527	1,312,750	1,555,700
Housing			
10-1-9-10-80-125 Housing - Stipend	452,160	468,610	511,600
10-3-9-00-70-775 Other Real Estate Leased	166,800	138,400	10,000
Housing Total	618,960	607,010	521,600
IT			
10-1-9-00-45-070 Copier/Printer/Fax	12,000	4,000	4,000
10-1-9-00-45-200 Contract Billing and Network Support	100,000	40,000	100,000
10-1-9-00-45-280 IT Admin Expenses	1,000	1,000	-
10-1-9-00-45-300 Software	983,692	1,713,100	1,650,500
10-1-9-00-45-400 Hardware	280,000	348,000	330,000
10-1-9-00-45-450 Phones/Telecom/Data Communications	162,511	194,980	183,100

ERWSD
Appendix C
Line Item Detail

Row Labels	24 Revised Budget	24 Projection	25 Proposed
10-1-9-00-45-490 Pagers & Cell Phones	184,289	160,000	170,000
10-1-9-00-45-511 VMWare Enterprise Licensing	63,037	63,040	-
10-1-9-00-45-512 Web Development	20,000	16,000	16,000
10-1-9-00-45-600 IT Department Operations	1,000	1,000	2,000
10-1-9-00-45-670 Training/Travel - IT	72,000	72,000	72,000
10-1-9-00-45-750 Uniform Allowance	3,960	3,960	4,000
10-1-9-00-45-800 Salaries	1,499,896	1,499,900	1,671,307
10-1-9-00-45-820 Overtime		700	1,468
10-1-9-00-45-830 SS Match 6.2%	80,511	80,500	103,300
10-1-9-00-45-840 Health/Life Insurance	283,922	283,900	310,400
10-1-9-00-45-850 Medicare Match	19,479	19,500	25,000
10-1-9-00-45-860 Pension Contribution - 401(A) Match	62,052	62,100	83,300
10-1-9-00-45-870 Unemployment Compensation	2,379	2,400	2,600
10-3-9-00-20-491 Radio Equip & Maintenance	21,600	16,000	16,000
IT Total	3,853,328	4,582,080	4,744,975
Lab			
10-3-9-00-35-020 Biomonitoring	26,450	25,880	27,800
10-3-9-00-35-105 Chemicals - Lab	22,000	30,060	12,000
10-3-9-00-35-115 ICP-MS	-	-	60,000
10-3-9-00-35-125 FIA	-	-	7,000
10-3-9-00-35-230 LIMS Support	21,000	21,520	22,600
10-3-9-00-35-310 Micro Bio Supplies - Wastewater	5,000	5,000	5,000
10-3-9-00-35-320 Micro Bio Supplies - Water	21,000	17,120	17,100
10-3-9-00-35-400 Office Supplies	700	630	-
10-3-9-00-35-430 Outside Lab - Wastewater	20,000	15,870	14,000
10-3-9-00-35-440 Outside Services - Lab	10,000	10,000	10,000
10-3-9-00-35-450 Outside Services - WW Nonylphenol	7,350	8,500	8,500
10-3-9-00-35-580 Special Sampling	20,000	20,000	20,000
10-3-9-00-35-585 Sept WQ Sampling & Analysis	77,000	77,000	60,000
10-3-9-00-35-590 Black Gore Creek Water Quality	7,000	6,240	6,200
10-3-9-00-35-600 General Operations	560	1,120	1,100
10-3-9-00-35-610 Small Tools	-	-	-
10-3-9-00-35-615 Supplies - Main Lab	13,000	13,000	13,000
10-3-9-00-35-670 Training/Tuition/Certification/Travel	8,580	8,580	9,000
10-3-9-00-35-700 Membership Fees	328	330	-
10-3-9-00-35-750 Uniform Allowance	1,400	1,400	1,800
10-3-9-00-35-780 Lab Equipment - Routine/Small	8,320	19,220	9,000
10-3-9-00-35-800 Salaries	573,873	573,900	611,200
10-3-9-00-35-820 Overtime	-	1,900	2,000
10-3-9-00-35-830 SS Match 6.2%	35,580	35,600	37,900
10-3-9-00-35-840 Health/Life Insurance	125,045	125,000	131,300
10-3-9-00-35-850 Medicare Match	8,608	8,600	9,200
10-3-9-00-35-860 Pension Contribution - 401(A) Match	27,084	27,100	30,600
10-3-9-00-35-870 Unemployment Compensation	1,038	1,000	1,100
10-3-9-10-34-039 Wastewater Regulatory Legal	31,200	31,200	20,000
10-3-9-10-34-040 WW Discharge-Water Quality Tech Support/Studies	100,000	60,870	70,000
10-3-9-10-90-041 Eagle Mine Legal & Consulting	19,760	34,840	20,000
Lab Total	1,191,876	1,181,480	1,237,400
Ops Tech			
10-1-9-00-47-150 OTS Support Services	26,000	9,500	20,000
10-1-9-00-47-280 OTS Admin Expenses	4,000	3,000	-
10-1-9-00-47-300 OTS Software	-	-	2,000
10-1-9-00-47-400 OTS Hardware & Equipment	85,000	85,000	10,000
10-1-9-00-47-450 MCC Maintenance and Cleaning	35,000	35,000	52,000
10-1-9-00-47-560 Small Tools & Equipment	25,000	18,870	20,000

ERWSD
Appendix C
Line Item Detail

Row Labels	24 Revised Budget	24 Projection	25 Proposed
10-1-9-00-47-600 General Operations	720	710	1,600
10-1-9-00-47-670 Training/Tuition/Certification/Travel	30,000	22,890	30,000
10-1-9-00-47-750 Uniform Allowance	3,285	3,290	3,300
10-1-9-00-47-800 Salaries	1,027,905	1,027,900	1,117,512
10-1-9-00-47-820 Overtime	-	7,100	14,099
10-1-9-00-47-830 SS Match 6.2%	63,730	63,700	67,900
10-1-9-00-47-840 Health/Life Insurance	223,996	224,000	235,200
10-1-9-00-47-850 Medicare Match	15,419	15,400	16,400
10-1-9-00-47-860 Pension Contribution - 401(A) Match	48,844	48,800	52,000
10-1-9-00-47-870 Unemployment Compensation	1,873	1,900	2,000
Ops Tech Total	1,590,772	1,567,060	1,644,011
People Ops			
10-1-9-00-70-110 Insurance-Director Liability	35,491	35,720	-
10-3-9-00-70-360 Property & Liability Insurance	438,586	452,300	465,900
10-3-9-00-80-080 Benefit Administration	60,000	58,770	64,000
10-3-9-00-80-085 HRIS/Payroll	75,000	89,660	87,000
10-3-9-00-80-600 General Operations	28,900	38,670	9,200
10-3-9-00-80-100 Hazardous Waste Disposal	10,000	4,000	5,000
10-3-9-00-80-350 H.R. - Admin. Expense	1,000	890	-
10-3-9-00-80-400 Office Supplies	600	480	-
10-3-9-00-80-450 Random CDL/Post Accid. Drug Tests	1,500	1,500	1,500
10-3-9-00-80-474 Onboarding Costs	-	-	2,500
10-3-9-00-80-475 Recruiting Costs	35,000	18,230	30,000
10-3-9-00-80-476 Relocation Costs	35,000	17,590	18,000
10-3-9-00-80-550 Safety	125,000	133,170	155,000
10-3-9-00-80-552 HR/Safety Training	30,000	30,000	25,000
10-3-9-00-80-555 Security - General	25,870	23,960	23,900
10-3-9-00-80-670 Training/Travel	38,000	27,720	32,000
10-3-9-00-80-700 Membership	4,000	2,580	5,000
10-3-9-00-80-750 Uniform Annual Order	38,000	36,390	40,000
10-3-9-00-80-755 Wellness Program	62,660	78,920	87,500
10-3-9-00-80-760 Org Consulting	10,000	7,000	20,000
10-3-9-00-80-800 Salaries	720,299	720,300	823,700
10-3-9-00-80-810 Temporary	26,960	27,000	15,600
10-3-9-00-80-820 Overtime		800	900
10-3-9-00-80-830 SS Match 6.2%	44,659	44,700	67,900
10-3-9-00-80-840 Health/Life Insurance	157,500	157,500	179,200
10-3-9-00-80-850 Medicare Match	10,804	10,800	12,400
10-3-9-00-80-860 Pension Contribution - 401(A) Match	34,339	34,300	41,200
10-3-9-00-80-870 Unemployment Compensation	1,317	1,300	1,400
10-3-9-00-80-880 Workman's Compensation	87,311	87,300	93,000
People Ops Total	2,137,796	2,141,550	2,306,800
Utility Services			
10-1-9-10-23-140 Edwards WW - Custodial Services	-		-
10-1-9-10-23-680 Edwards WW - Trash Service	-		84,000
10-3-9-00-20-100 Non-Housing Eagle Vail Association Dues	30,000	30,000	37,700
10-3-9-00-20-140 Custodial Services	135,000	135,000	-
10-3-9-00-20-150 Contracted Painting	5,000	5,000	5,000
10-3-9-00-20-200 Non-Housing Eagle Vail Electric	-	8,300	8,500
10-3-9-00-20-225 Fleet Maintenance	100,000	100,000	100,000
10-3-9-00-20-227 Fleet - Small Tools	11,000	17,330	11,000
10-3-9-00-20-230 GPS Vehicle Tracking & Diagnostics	16,000	16,000	16,000
10-3-9-00-20-240 Gas for vehicles	110,000	110,000	75,000
10-3-9-00-20-680 Trash Service	35,000	44,870	-
10-3-9-00-20-755 Heavy & Specialty Equip. Contract Maint.	70,000	70,000	70,000

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Line Item Detail

Row Labels	24 Revised Budget	24 Projection	25 Proposed
10-3-9-00-20-760 Water & Sewer Utility Bill-Vail Admin		-	-
10-3-9-00-21-050 Cross Connection Program	45,000	45,000	45,000
10-3-9-00-21-140 Vail Admin Office - Custodial Services	-		50,000
10-3-9-00-21-160 Contracted Plumbing	20,000	20,000	20,000
10-3-9-00-21-400 Office Supplies	500	500	-
10-3-9-00-21-560 Small Tools	7,000	7,000	7,000
10-3-9-00-21-600 General Operations	1,120	1,120	1,600
10-3-9-00-21-670 Training/Travel	13,400	13,400	16,400
10-3-9-00-21-675 Tuition Reimbursement		-	-
10-3-9-00-21-680 Vail Admin Office - Trash Service	-		4,000
10-3-9-00-21-750 Uniform Allowance	4,050	4,050	4,000
10-3-9-00-21-800 Salaries	1,093,590	1,093,600	1,175,100
10-3-9-00-21-810 Temporary	25,460	25,500	15,100
10-3-9-00-21-820 Overtime		6,400	15,000
10-3-9-00-21-830 SS Match 6.2%	67,803	67,800	72,900
10-3-9-00-21-840 Health/Life Insurance	238,468	238,500	307,800
10-3-9-00-21-850 Medicare Match	16,404	16,400	17,600
10-3-9-00-21-860 Pension Contribution - 401(A) Match	51,774	51,800	58,800
10-3-9-00-21-870 Unemployment Compensation	1,985	2,000	2,100
10-3-9-10-20-205 Electricity - Avon Admin	18,000	32,000	33,000
10-3-9-10-20-500 Repairs - Buildings	160,000	160,000	180,000
10-3-9-10-20-501 Repairs - Grounds	20,000	20,000	-
10-3-9-10-21-770 Meter Purchases for Inventory & Repairs	800,000	800,000	800,000
10-3-9-10-22-140 Avon WW - Custodial Services			-
10-3-9-10-22-680 Avon WW - Trash Service			40,000
10-3-9-20-21-771 Meter Replacement/Equip Parts - Vail	300,000	300,000	300,000
10-3-9-20-21-772 Contracted Services	85,000	85,000	25,000
Seasonal employee for Utility services 1			-
Utility Services Total	3,481,554	3,526,570	3,597,600
Wastewater			
10-1-9-00-12-400 Electrical and Controls Equipment- Avon	-	-	10,000
10-1-9-00-13-400 Electrical and Controls Equipment- Edwards	-	-	45,000
10-1-9-10-10-800 Salaries			45,272
10-1-9-10-10-820 Overtime			10,205
10-1-9-10-13-140 Edwards WW - Custodial Services		-	18,000
10-1-9-10-13-680 Edwards WW - Trash Service		-	1,500
10-3-9-10-10-400 Admin Expense	1,200	1,200	-
10-3-9-10-10-410 Outside Lab - Biosolids	15,000	15,000	15,000
10-3-9-10-10-670 Training/Tuition/Certification/Travel	18,000	18,000	18,000
10-3-9-10-10-700 Membership Fees	800	800	5,300
10-3-9-10-10-750 Uniform Allowance	5,400	5,400	5,100
10-3-9-10-10-790 On-Call Engineering Service	-	-	10,000
10-3-9-10-10-800 Salaries	1,413,518	1,413,500	1,855,300
10-3-9-10-10-820 Overtime	14,425	14,400	23,000
10-3-9-10-10-830 SS Match 6.2%	87,638	87,600	115,000
10-3-9-10-10-840 Health/Life Insurance	319,660	319,700	389,000
10-3-9-10-10-850 Medicare Match	21,203	21,200	27,800
10-3-9-10-10-860 Pension Contribution - 401(A) Match	71,027	71,000	92,800
10-3-9-10-10-870 Unemployment Compensation	2,723	2,700	2,900
10-3-9-10-11-130 Chemicals-Process-Vail	7,400	7,400	7,400
10-3-9-10-11-160 Discharge Permits-Vail	15,100	15,100	16,000
10-3-9-10-11-200 Electricity-WW Plants-Vail	212,194	236,510	243,600
10-3-9-10-11-350 Natural Gas-Vail	39,308	39,310	41,700
10-3-9-10-11-500 Repairs-Equipment-Vail	55,000	55,000	45,000
10-3-9-10-11-510 Building Maintenance-Vail	-	-	24,000

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Line Item Detail

Row Labels	24 Revised Budget	24 Projection	25 Proposed
10-3-9-10-11-760 Water & Sewer Utility Bill-Vail	8,000	8,000	8,000
10-3-9-10-12-130 Chemicals-Process-Avon	20,000	40,400	40,400
10-3-9-10-12-140 Avon WW - Custodial Services		-	42,000
10-3-9-10-12-160 Discharge Permits-Avon	15,100	15,100	16,000
10-3-9-10-12-200 Electricity-WW Plants-Avon	183,853	174,320	183,900
10-3-9-10-12-260 Janitorial Supplies	2,500	2,500	-
10-3-9-10-12-350 Natural Gas-Avon	237,527	237,530	251,800
10-3-9-10-12-500 Repairs-Equipment-Avon	91,815	91,820	80,000
10-3-9-10-12-510 Building Maintenance-Avon	-	-	84,000
10-3-9-10-12-680 Avon WW - Trash Service		-	12,500
10-3-9-10-12-760 Water & Sewer Utility Bill-Avon	7,200	7,200	7,200
10-3-9-10-13-020 Biosolids Fees-Edwards	-	1,320	2,000
10-3-9-10-13-120 Chemicals-Polymer-Edwards	100,000	100,000	100,000
10-3-9-10-13-130 Chemicals-Process-Edwards	15,000	16,400	16,400
10-3-9-10-13-160 Discharge Permits-Edwards	17,400	17,400	18,000
10-3-9-10-13-200 Electricity-WW Plants-Edwards	557,062	533,480	557,100
10-3-9-10-13-260 Janitorial Supplies	2,500	2,500	-
10-3-9-10-13-350 Natural Gas-Edwards	74,742	74,740	79,200
10-3-9-10-13-355 Odor Control - Edwards	66,000	66,000	66,000
10-3-9-10-13-500 Repairs-Equipment-Edwards	200,000	209,990	180,000
10-3-9-10-13-510 Building Maintenance-Edwards	-	-	63,000
10-3-9-10-13-760 Water & Sewer Utility Bill-Edwards	30,000	30,000	33,000
10-3-9-10-10-600 General Operations	1,440	1,440	5,100
10-1-9-00-11-400 Electrical and Controls Equipment- Vail	-	-	15,000
Wastewater Total	3,929,735	3,953,960	4,927,477
Water			
10-1-9-00-30-800 Salaries			16,091
10-1-9-00-30-820 Overtime			4,495
10-3-9-00-30-260 Janitorial Supplies	2,500	-	-
10-3-9-00-30-400 Vail Wells Electrical and Controls Equipment	2,000	1,170	15,000
10-3-9-00-30-600 Supplies/Small Tools	5,500	5,950	6,900
10-3-9-00-30-610 General Operations	1,440	1,440	6,000
10-3-9-00-30-670 Training/Tuition/Certification/Travel	15,000	15,000	15,000
10-3-9-00-30-700 Membership Fees	12,000	12,000	12,500
10-3-9-00-30-750 Uniform Allowance	5,400	5,400	5,400
10-3-9-00-30-800 Salaries	1,546,111	1,546,100	1,708,000
10-3-9-00-30-820 Overtime		11,200	35,000
10-3-9-00-30-830 SS Match 6.2%	95,859	95,900	105,900
10-3-9-00-30-840 Health/Life Insurance	337,685	337,700	441,600
10-3-9-00-30-850 Medicare Match	23,192	23,200	25,600
10-3-9-00-30-860 Pension Contribution - 401(A) Match	72,759	72,800	85,400
10-3-9-00-30-870 Unemployment Compensation	2,790	2,800	3,000
10-3-9-20-30-100 Vail Wells & GVDWF Chemicals - Treatment	100,000	100,000	110,000
10-3-9-20-30-200 ERWSD Electricity - Treatment Facilities	201,200	177,400	201,200
10-3-9-20-30-425 Laboratory Services	26,000	26,000	32,300
10-3-9-20-30-450 Water Tank Electrical and Controls Equipment	-	-	5,000
10-3-9-20-30-460 Licensing & State Fees	7,000	7,000	6,000
10-3-9-20-30-495 Vail Wells & GVDWF Repairs - Building/Grounds	20,000	20,000	20,000
10-3-9-20-30-500 Vail Wells & GVDWF Repairs - Equipment	34,100	34,100	39,000
10-3-9-20-30-507 Water Storage Tank Repairs	20,000	20,000	20,000
10-3-9-20-30-555 GVDWF Sewer Service	4,200	4,200	4,200
10-3-9-20-30-600 Lab Supplies/Chemicals/Reagents	30,000	24,070	-
10-3-9-20-30-603 Raw Water Resources	4,500	3,500	3,500
10-3-9-20-30-620 Lab Supplies/Chemicals/Reagents	-	-	25,000
10-3-9-20-30-780 Water Tank Cleaning	15,600	15,600	-

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Line Item Detail

Row Labels	24 Revised Budget	24 Projection	25 Proposed
10-3-9-20-34-030 Fish Stocking - Black Lakes	36,700	36,700	38,500
10-3-9-20-90-010 Engineering	10,000	-	15,000
Water Total	2,631,536	2,599,230	3,005,586
Water Conservation			
10-3-9-20-85-040 Consulting - Water Conservation	10,000	-	16,000
10-3-9-20-85-600 General Operations	400	400	-
10-3-9-20-85-670 Training/Travel	-	-	6,000
10-3-9-20-85-777 Water Conservation Program Rebates	10,000	10,000	10,000
10-3-9-20-85-778 Water Conservation Program	30,000	30,000	30,500
10-3-9-20-85-800 Salaries	306,525	306,500	476,600
10-3-9-20-85-810 Temporary	30,511	30,500	31,200
10-3-9-20-85-830 SS Match 6.2%	19,005	19,000	29,500
10-3-9-20-85-840 Health/Life Insurance	107,774	107,800	138,100
10-3-9-20-85-850 Medicare Match	4,598	4,600	7,100
10-3-9-20-85-860 Pension Contribution - 401(A) Match	10,272	10,300	23,800
Water Conservation Total	529,085	519,100	768,800
Operating Total	30,622,381	31,436,430	34,178,387
Housing Expense			
Housing			
10-1-9-10-65-600 General Operations	160	160	-
10-1-9-10-65-101 Training and Certifications	-	-	5,000
10-1-9-10-65-102 Professional Services/Training	5,000	8,820	5,000
10-1-9-10-65-103 Housekeeping	10,000	7,900	10,000
10-1-9-10-65-104 Small Tools	5,000	4,910	5,000
10-1-9-10-65-680 Trash Service	-	-	14,000
10-1-9-10-80-100 Housing Rental - HOA Dues	219,834	219,830	230,800
10-1-9-10-80-105 Housing Rental Repairs, Cleaning, & Landscaping	100,000	104,240	107,000
10-1-9-10-80-107 Housing - Fees EHOP	3,000	1,500	1,500
10-1-9-10-80-110 Housing Rental Utilities	23,000	16,490	16,500
10-1-9-10-80-115 Non-Housing (ex. Lot, annex) Expenses	4,500	5,500	5,800
10-1-9-10-80-120 Emp Housing Master Leases	90,000	29,400	-
10-3-9-10-65-800 Salaries	183,475	183,500	195,400
10-3-9-10-65-830 SS Match 6.2%	11,375	11,400	12,100
10-3-9-10-65-840 Health/Life Insurance	32,943	32,900	34,500
10-3-9-10-65-850 Medicare Match	2,752	2,800	2,900
10-3-9-10-65-860 Pension Contribution - 401(A) Match	9,218	9,200	9,800
Housing Total	700,257	638,550	655,300
Housing Expense Total	700,257	638,550	655,300
Debt Service			
Finance			
10-1-9-10-00-200 Treasurer's Fees - ERWSD WW Ops	18,221	24,800	22,900
10-1-9-20-00-210 Treasurer's Fees - VVCWD	16,828	19,500	19,300
10-2-5-10-00-026 C/P GO Bonds WW 2016	585,000	585,000	595,000
10-2-5-20-00-035 C/P Bonds Water 2012A	130,000	130,000	135,000
10-2-5-20-00-040 C/P Bonds Water 2012B	460,000	460,000	475,000
10-2-5-20-00-069 2024 Vail Water Bond Principal	-	-	497,000
10-2-9-10-80-026 Bond Interest Exp WW 2016	785,931	785,930	771,300
10-2-9-10-80-035 Paying Agent Fees - ERWSD GO Bonds	830	420	400
10-2-9-10-80-045 Treasurer's Fees - ERWSD	40,478	40,680	36,500
10-2-9-20-80-040 Paying Agent Fees - Vail Water	830	910	1,000
10-2-9-20-80-065 Treasurer's Fees - Vail 02	26,708	26,710	21,600
10-2-9-20-80-073 Bond Int. Exp. - Water 2012A	34,567	34,570	29,400
10-2-9-20-80-074 Bond Int. Exp. - Water 2012B	119,667	119,670	101,200
10-2-9-20-80-075 2024 Vail Water Int Exp	-	-	619,500
10-3-5-10-00-604 C/P 2020 WW Revenue Bonds	265,000	265,000	275,000

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Line Item Detail

Row Labels	24 Revised Budget	24 Projection	25 Proposed
10-3-5-10-00-605 C/P 2017 Refunding 09 BABs WW	495,000	495,000	510,000
10-3-5-10-00-606 C/P 2020 WW Rev. Refunding Bonds	1,050,000	1,050,000	1,060,000
10-3-5-10-00-607 C/P 2023 WW Enterprise Bonds	760,000	760,000	800,000
10-3-5-20-00-610 C/P Loan - Eagle Park Reservoir	100,227	100,230	105,700
10-3-5-20-00-635 C/P Loan - 2017 Water Bonds	445,000	445,000	470,000
10-3-5-20-00-640 C/P 2019 Water Revenue Bond	155,000	155,000	160,000
10-3-9-10-80-021 Bond Interest Exp.-2020 WW Revenue Bonds	1,336,038	1,336,040	1,327,800
10-3-9-10-80-022 Bond Interest Exp.- 2020 Rev Refunding Bonds	572,320	572,320	559,900
10-3-9-10-80-023 Bond Int Exp - 2023 WW Enterprise Bonds	2,055,483	2,055,480	2,017,300
10-3-9-10-80-029 Bond Int. Exp - 2017 Refunding 09 BABs WW	373,769	372,530	357,600
10-3-9-10-80-050 Paying Agent Fees - ERWSD Rev.Bonds	1,400	1,020	1,100
10-3-9-20-80-035 Interest Loan - 2017 Rev.Water Bonds(Ref 09)	362,471	362,470	340,100
10-3-9-20-80-040 Interest 2019 Revenue Water Bonds	107,833	107,830	101,600
10-3-9-20-80-065 Interest Loan - Eagle Park Reservoir	29,090	29,090	23,600
Finance Total	10,327,691	10,335,200	11,434,800
Debt Service Total	10,327,691	10,335,200	11,434,800
CRP			
Engineering			
10-1-2-00-45-106 CRP-GIS Improvements	1,500	-	-
10-1-2-00-45-137	-	-	11,000
Engineering Total	1,500	-	11,000
Field Ops			
10-3-2-00-20-102 CRP-Locators & Correlators	10,000	11,710	15,000
10-3-2-00-20-106 CRP- CCTV truck upgrades			150,000
10-3-2-10-01-027 CRP-Sewer Capital Replacement Program	100,000	402,000	100,000
10-3-2-10-01-043 CRP-I & I Reduction - District wide	100,000	100,000	250,000
10-3-2-10-20-107 CRP-Sewer interceptor rehabilitation			250,000
10-3-2-20-09-447 CRP-Vail Water Capital Replacement Program	107,222	107,220	75,000
Field Ops Total	317,222	620,930	840,000
Housing			
10-1-2-10-80-100 CRP-Employee Housing	175,000	200,000	200,000
Housing Total	175,000	200,000	200,000
IT			
10-1-2-00-45-108 CRP-Website Improvements	30,000	-	-
10-1-2-00-45-109 CRP-Server & Network Improvements	50,000	93,640	100,000
10-1-2-00-45-124 CRP-Desktop/Laptop Improvement Upgrade	163,000	197,150	140,000
10-1-2-00-45-125 CRP-Printers Improvement Upgrade	10,000	10,000	10,000
10-1-2-00-45-128 CRP- Low Voltage Wiring	50,000	50,000	50,000
10-1-2-00-45-139 CRP-ADWF Server Room Project		150,000	300,000
10-1-2-00-45-200 CRP-Portable Radio Upgrade	25,000	25,000	25,000
10-1-2-00-45-330 OMS Solution			50,000
10-1-2-00-45-331 Truck WiFi			126,500
IT Total	328,000	525,790	801,500
Lab			
10-3-2-00-35-100 CRP-Lab Equipment Replacement		-	10,000
Lab Total		-	10,000
Ops Tech			
10-1-2-00-47-100 CRP-OTS Spare Parts Inventory	10,000	10,000	-
Ops Tech Total	10,000	10,000	-
People Ops			
10-1-2-10-80-101 CRP- Safety & Security	10,000	10,000	10,000
People Ops Total	10,000	10,000	10,000
Utility Services			
10-1-2-00-05-142 CRP-Building Remodels or Major Repairs	206,915	133,210	25,000
10-3-2-00-07-309 CRP Heavy Equipment	248,480	247,720	-

ERWSD
Appendix C
Line Item Detail

Row Labels	24 Revised Budget	24 Projection	25 Proposed
10-3-2-00-07-310 CRP-Vehicle Replacement Program	215,740	315,000	115,000
10-3-2-00-20-101 CRP-Asphalt Seal & Stripe	25,000	-	-
Utility Services Total	696,136	695,930	140,000
Wastewater			
10-3-2-10-11-117 CRP-VWWTF Plant Repairs	50,000	50,000	50,000
10-3-2-10-12-126 CRP-AWWTF Plant Repairs	30,000	22,280	25,000
10-3-2-10-13-114 CRP-EWWTF Plant Repairs	200,000	209,240	250,000
10-3-2-10-13-115 EWWTF Biofilter Media Replacement	469,623	450,170	-
Wastewater Total	749,623	731,690	325,000
Water			
10-3-2-20-09-019 CRP-Water Storage Tank Misc. Improvements	100,000	67,130	150,000
10-3-2-20-09-020 CRP-Vail Wtr System Repairs	75,000	75,000	75,000
10-3-2-20-09-029 Well R7 Refurbishment		310,110	-
10-3-2-20-09-260 ERWSD Analyzer Replacement Allowance			25,000
10-3-2-20-30-112 CRP-Distribution Industrial Painting	50,000	-	50,000
Water Total	225,000	452,240	300,000
CRP Total	2,512,481	3,246,580	2,637,500
Capital			
Engineering			
10-3-2-00-07-301 Greenhouse Gas Inventory	104,686	4,690	-
Engineering Total	104,686	4,690	-
Field Ops			
10-1-2-10-05-057 Hillcrest Field Operations Facility	97,722	-950	-
10-3-2-00-07-150 CRP- Jetting Truck			400,000
10-3-2-10-01-009 Collection System Master Plan	100,000	100,000	-
10-3-2-10-01-045 Forest Rd./Rockledge Private Sewer Replacement	302,000	-	-
10-3-2-10-01-130 Intermountain Interceptor Collection Upgrades	-	-	75,000
10-3-2-10-20-108 CRP- Sewer aerial crossing improvements			100,000
Field Ops Total	499,722	99,050	575,000
Housing			
10-1-2-00-05-013 District Housing Sustainability		-	-
10-1-2-10-05-056 Housing Acquisitions	675,473	675,470	250,000
Housing Total	675,473	675,470	250,000
IT			
10-1-2-00-45-307 Cameras for RTU Sites	46,175	46,180	-
10-1-2-00-45-308 Stone Security Control Access	50,000	50,000	50,000
10-1-2-00-45-314 Microwave Backbone Project	18,760	18,760	-
10-1-2-00-45-321 IT Capital Hardware	125,000	127,420	125,000
10-1-2-00-45-322 Dowd Junction Communication Tower	50,000	15,000	50,000
10-1-2-00-45-325 Nimble Storage Replacement	590,155	613,850	-
10-1-2-00-45-326 VMWare Enterprise Licensing Project	163,461	-	-
10-1-2-00-45-327 FortiSandbox	26,554	27,010	-
10-1-2-00-45-328 CRP- Cisco Phone System	38,602	38,600	-
10-1-2-00-45-329 ADWF Redundant HVAC	70,000	72,660	-
IT Total	1,178,707	1,009,480	225,000
Lab			
10-3-2-10-03-701 ICP-MS Lab Equipment	78,302	25,000	-
10-3-2-10-03-702 FIA	125,000	125,000	-
Lab Total	203,302	150,000	-
Utility Services			
10-3-2-00-07-309 CRP Heavy Equipment			160,000
Utility Services Total		-	160,000
Wastewater			
10-3-2-10-03-530 CRP- EWWTF Centrifuge	135,000	-	-
10-3-2-10-03-531 EWW GT and SC Coatings	100,000	-	-

ERWSD
Appendix C
Line Item Detail

Row Labels	24 Revised Budget	24 Projection	25 Proposed
Wastewater Total	235,000	-	-
Water			
10-3-2-20-09-016 Water Treatment Master Plan-	91,598	-	-
10-3-2-20-09-018 Water System Emergency Power	63,889	20,000	-
10-3-2-20-09-022 West Vail Flow Control Improvements	100,061	75,000	-
Water Total	255,548	95,000	-
Capital Total	3,152,439	2,033,690	1,210,000
Bond Project			
Engineering			
10-3-2-10-07-100 Gore Valley Trail @ Dowd Jct. Repair	312,243	350,000	-
10-3-2-20-09-136 Bolts Lake Reservoir	535,627	535,630	506,300
Engineering Total	847,870	885,630	506,300
Field Ops			
10-3-2-10-01-006 Dowd Junction Collection System Improve.	1,749,645	1,251,120	-
10-3-2-10-01-012 Minturn Siphon Project	515,184	100,000	1,100,000
10-3-2-10-01-019 Cascade Sewer Main Project	700,000	150,000	-
10-3-2-20-09-026 Main Gore Place Waterline Improvement	88,228	50,000	1,100,000
Field Ops Total	3,053,057	1,551,120	2,200,000
Ops Tech			
10-3-2-20-09-028 Well R7/Booth Emergency Power	200,000	157,830	1,850,000
Ops Tech Total	200,000	157,830	1,850,000
Wastewater			
10-3-2-10-03-002 2022 WW Master Plan Update	177,984	177,980	-
10-3-2-10-03-316 VWWTF Master Plan Capital Improvements	3,669,726	3,594,530	500,000
10-3-2-10-03-447 AWWTF Nutrient Upgrades	250,000	142,110	-
10-3-2-10-03-505 EWWTF Nutrient Upgrades	4,000,000	2,891,730	7,665,200
Wastewater Total	8,097,710	6,806,350	8,165,200
Water			
10-3-2-20-09-000 Well R7 Replacement		-	150,000
10-3-2-20-09-024 N. Frontage Road Water Main Connection	525,918	537,930	-
10-3-2-20-09-025 Lower Glen Lyon Fire Flow Improvements	-	-	200,000
10-3-2-20-09-027 Vail Tank 4 Rehabilitation (Cap Water)	150,000	100,000	2,000,000
Water Total	675,918	637,930	2,350,000
Bond Project Total	12,874,554	10,038,860	15,071,500
Grand Total	60,189,802	57,729,310	65,187,487



EAGLE RIVER COALITION

Protecting Our Local Watersheds

**Eagle River Water & Sanitation District
Upper Eagle Regional Water Authority
846 Forest Road
Vail, CO 81657-5705**

September 5, 2024

Dear Mr. Cleveland and Mr. Gregory,

The District and Authority are consistent and generous supporters of Eagle River Coalition's mission to advocate for the health of the Eagle River Watershed and our board and staff are incredibly grateful. Through this partnership, the Eagle River Coalition consistently delivers water quality programming, expands restoration and education efforts, and ensures that our-aligned missions protect our rivers and work in tandem.

In the last year ERWSD/UERWA funding enabled Eagle River Coalition to:

- Complete the Eagle River Community Water Plan and apply for additional funding from CWCB to prepare projects for implementation.
- Develop the Eagle River Fund. This mechanism ensures a long-term funding opportunity is available for local organizations to utilize for prioritized projects.
- Advocate for policies and projects through participation in the Colorado Basin Roundtable, local land use authorities, and Wild & Scenic Designation groups.
- Expand the Beyond Lawn Program, which is reducing outdoor water use in Eagle County and bringing visibility to ERWSD's efficiency efforts throughout the community.
- Educate our community on critical topics, including, but not limited to; water law, the legacy of the Eagle Mine, outdoor water use, and best practices regarding stormwater.

The Eagle River Coalition is hopeful that we can count on the District and Authority to collaborate to protect our local watershed and secure a vibrant future for our community. As such, the Coalition respectfully requests the continued support of \$25,000 from both the District and Authority, for a total of \$50,000 to sustain the longstanding Water Quality Monitoring & Assessment Program. Additionally, we respectfully request the continued support of \$25,000 from both the District and Authority, for a total of \$50,000, for general operations of Eagle River Coalition. Our board and staff values accountability and collaboration, and with your support, we will accomplish what is outlined on the following page. Please reach out to me directly with any questions at dilzell@eagleriverco.org or 970.827.5406.

James Dilzell, Executive Director

Continue and expand the Water Quality Monitoring & Assessment Program

Requesting \$25,000 from ERWSD and \$25,000 from UERWA

This longstanding effort maintains the robust, collaborative database of information that guides Eagle River Coalition and other entities in the development of project priorities, identifies threats as they emerge, and ensures that data collection efforts are not duplicated. Funding supports the coordination of data collectors, data analysis, annual reporting to stakeholders and the community, a shared database, and regular publishing of an interactive online report card offering a graphical interpretation of the data.

The overall budget for WQMAP allows for the flexibility to direct funds towards specific water quality-related issues that are unanticipated each year, may require a shorter investigative timeline, or have specific equipment needs.

Support for WQMAP in 2025 is anticipated from US Geological Survey, Eagle County, Homestake Partners, Climax Mine, Vail Resorts Management Company, the Towns of Gypsum, Eagle, Avon, Minturn and Vail, as well as the Colorado River Water Conservation District.

Projects we will catalyze:

- Launch of the updated and more user-friendly report card
- Additional temperature macroinvertebrate monitoring
- Conductivity monitoring and analyses on Black Gore Creek

Advocate for the health of the Eagle River Watershed through general support

Requesting \$25,000 from ERWSD and \$25,000 from UERWA

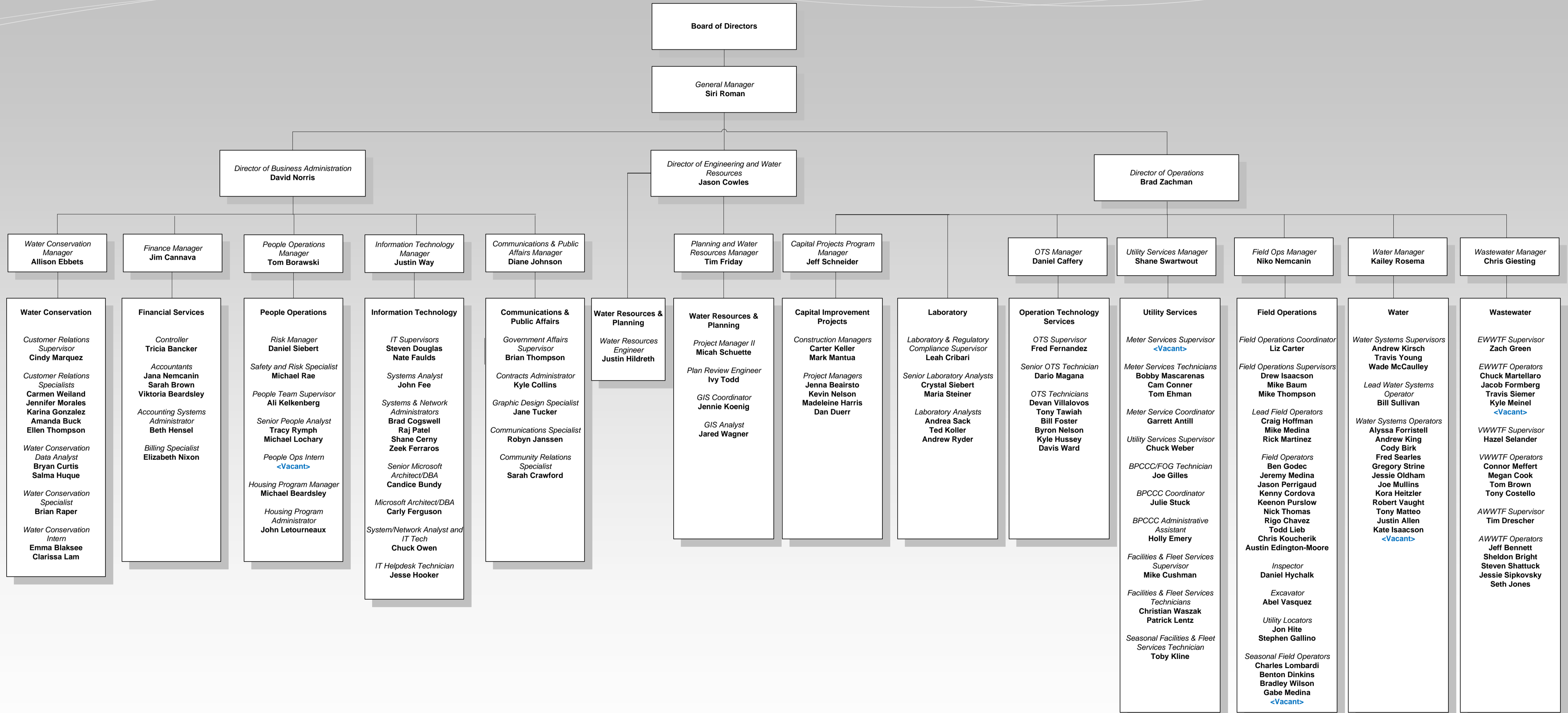
Unrestricted funds play a vital role in supporting the Coalition's mission by enabling us to address gaps in programs and projects that benefit both our organization and our community. These funds are critical for the implementation of essential programming, expansion of our marketing and educational outreach throughout our watershed, and for our staff to have the resources they need to succeed.

This funding from ERWSD and UERWA is leveraged in requests to individuals, businesses, foundations and other government entities as it demonstrates that our work is critical, valid and worthy of their financial support. General administration support also comes from private foundations, Eagle County, Town of Avon, event proceeds, local businesses, individuals, and the Land & Rivers Fund.

Projects & Programs we will catalyze:

- High-temperature mitigation strategies, including flow management and riparian restoration.
- Specialized stormwater education programming throughout the watershed.
- Camp Hale Restoration to support downstream health on the Eagle River.

Appendix E



EAGLE RIVER WATER & SANITATION DISTRICT

RESOLUTION NO. 2024-07

**A RESOLUTION INCREASING CERTAIN WATER AND WASTEWATER SERVICE
RATES & FEES**

WHEREAS, the Eagle River Water and Sanitation District (“District”) is a quasi-municipal corporation and political subdivision of the State of Colorado and a duly organized and existing special district pursuant to Title 32, Colorado Revised Statutes; and

WHEREAS, the District Board of Directors (“Board”) has the authority to fix and from time to time increase or decrease fees, rates, and charges pursuant to Section 32-1-1001(1)(j), C.R.S., for services, programs or facilities furnished by the District; and

WHEREAS, the Board hereby finds and determines that it is in the best interest of the public health, welfare, and safety of the District residents and visitors that the District collect adequate revenues to pay ongoing operation, maintenance, capital improvement, and water rights costs; and

WHEREAS, the Board has considered a recent analysis performed by District staff and finds the recommended rates and fees contained therein are reasonably related to these costs; and

WHEREAS, more than thirty days advance notice to the District’s customers of the Board’s intent to consider fee increases at the October 24, 2024, regular meeting, was provided in accordance with Section 32-1-1001(2)(a), C.R.S.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of Eagle River Water and Sanitation District as follows:

1. The Water and Wastewater Service Rates & Fees, as recommended by staff and attached hereto as Exhibit A and incorporated herein by this reference, are hereby adopted to be effective January 1, 2025.
2. This Resolution shall supersede any contrary provision contained in the District’s Rules and Regulations, which shall be modified as soon as reasonably practical to conform with the provisions set forth in this Resolution; provided, however, if there is any fee that is set forth in the Rules and Regulations or elsewhere established, which is not changed by this Resolution, said fee is hereby ratified and shall remain in full force and effect.

ADOPTED AND APPROVED this 24th day of October 2024.

EAGLE RIVER WATER AND SANITATION
DISTRICT

By: _____
Dick Cleveland, Chair

ATTEST:

Robert Warner, Jr, Secretary

Exhibit A

2025 ERWSD Water Service Rates

Individually Metered Residential Water Service Base Charges/SFE/Month	
Base Rate Per SFE	\$23.44
Capital Replacement Program	\$7.93
Debt Service 2017 Bonds	\$6.85
Debt Service 2019 Bonds	\$2.21
Debt Service 2024 Bonds	\$8.49
Base Portion of Bill/SFE/Month	\$48.92

Individually Metered Residential Water Usage Rates (per Kgal)/Month	
Tier 1 (0 - 6,000 gallons)	\$3.70
Tier 2 (6,001 - 12,000 gallons)	\$6.92
Tier 3 (12,001 - 18,000 gallons)	\$13.68
Tier 4 (18,001 – 30,000 gallons)	\$21.36
Tier 5 (Greater than 30,000 gallons)	\$30.18

Multi-Family/Commercial Water Base Service Charges/Multiplier/Month	
Base Rate Per SFE	\$35.17
Debt Service 2017 Bonds	\$9.80
Debt Service 2019 Bonds	\$3.25
Debt Service 2024 Bonds	\$12.10
Capital Replacement Program	\$11.64
Base Portion of Bill per Multiplier	\$71.96

Multi-Family Water Usage Rates (per Kgal)/Multiplier/Month	
Tier 1 (0 - 8,000 gallons)	\$3.50
Tier 2 (8,001 - 16,000 gallons)	\$5.20
Tier 3 (16,001 - 24,000 gallons)	\$13.00
Tier 4 (24,001 – 36,000 gallons)	\$20.92
Tier 5 (Greater than 36,000 gallons)	\$35.97

Commercial Water Usage Rates (per Kgal)/Multiplier/Month	
Tier 1 (0 - 8,000 gallons)	\$4.39
Tier 2 (8,001 - 16,000 gallons)	\$7.31
Tier 3 (16,001 - 24,000 gallons)	\$13.00
Tier 4 (24,001 – 36,000 gallons)	\$20.92
Tier 5 (Greater than 36,000 gallons)	\$35.97

Mixed Use Water Base Service Charges/Multiplier/Month	
Base Rate Per SFE	\$28.33
Debt Service 2017 Bonds	\$9.80
Debt Service 2019 Bonds	\$3.25
Debt Service 2024 Bonds	\$12.10
Capital Replacement Program	\$11.64
Base Portion of Bill per Multiplier	\$65.12

Mixed Use Water Usage Rates (per Kgal)/Multiplier/Month	
Tier 1 (0 - 8,000 gallons)	\$4.39
Tier 2 (8,001 - 16,000 gallons)	\$7.31
Tier 3 (16,001 - 24,000 gallons)	\$13.00
Tier 4 (24,001 – 36,000 gallons)	\$16.66
Tier 5 (Greater than 36,000 gallons)	\$25.63

Exhibit A

2025 ERWSD Water Service Rates

Coverage Based Irrigation Base Service Charges & Water Usage Rates/Acre/Month	
Irrigation Usage Rates (per kgal)	
Base Service	\$23.44
Tier 1 (0 - 85,000 gallons)	\$7.39
Tier 2 (85,001 - 142,000 gallons)	\$11.93
Tier 3 (142,001 - 170,000 gallons)	\$15.02
Tier 4 (170,001 – 190,000 gallons)	\$17.77
Tier 5 (Greater than 190,000 gallons)	\$22.18

Seasonal Fire Hydrant Base Service Charges & Water Usage Rates/SFE/Month	
Hydrant and Meter Damage Deposit	\$4,000.00
Meter Install/Removal Fee	\$200.00
Weekly Meter Rental Fee	\$200.00
<i>Water Usage Rates</i>	
Tier 1 (0 - 8,000 gallons)	\$7.39
Tier 2 (8,001 - 16,000 gallons)	\$11.93
Tier 3 (16,001 - 32,000 gallons)	\$15.02
Tier 4 (32,001 – 64,000 gallons)	\$17.94
Tier 5 (Greater than 64,000 gallons)	\$21.97
<i>Only available April 15 through October 15</i>	

Temporary/Suspended Service Charges & Water Usage Rates/SFE/Month	
Water Service Base Charge	\$35.92
Wastewater Service Base Charge-Depends on Account Type in 2025	\$43.48*
<i>Water Usage Rates</i>	
Tier 1 (0 - 6,000 gallons)	\$7.39
Tier 2 (6,001 - 12,000 gallons)	\$11.93
Tier 3 (12,001 - 18,000 gallons)	\$15.02
Tier 4 (18,001 – 24,000 gallons)	\$17.94
Tier 5 (Greater than 24,000 gallons)	\$21.97

Exhibit A

2025 ERWSD Wastewater Service Rates

Individually Metered Residential Wastewater Base Service Charges/SFE/Month	
Base Service (min charge 5 kgal)	\$37.85
Additional usage per kgal	\$7.57
2017 WW Crossover Refunding Bonds	\$2.75
Debt Service 2020A Bonds:	\$5.07
Debt Service 2020B Bonds:	\$5.12
Debt Service 2023 Bonds:	\$8.91
Capital Replacement Program	\$5.63
Base Portion of Bill per SFE	\$65.33

Multifamily Wastewater Service Base Service Charges/Multiplier/Month	
Base Service (min charge 5 kgal)	\$44.90
Additional usage per kgal	\$8.98
2017 WW Crossover Refunding Bonds	\$3.70
Debt Service 2020A Bonds:	\$6.80
Debt Service 2020B Bonds:	\$6.89
Debt Service 2023 Bonds:	\$11.95
Capital Replacement Program	\$7.90
Base Portion of Bill per Multiplier	\$82.14

Commercial Wastewater Service Base Service Charges/Multiplier/Month	
Base Service (min charge 5 kgal)	\$44.90
Additional usage per kgal	\$8.98
2017 WW Crossover Refunding Bonds	\$3.70
Debt Service 2020A Bonds:	\$6.80
Debt Service 2020B Bonds:	\$6.89
Debt Service 2023 Bonds:	\$11.95
Capital Replacement Program	\$7.90
Base Portion of Bill per Multiplier	\$82.14

Mixed Use Wastewater Base Service Charges/Multiplier/Month	
Base Service (min charge 5 kgal)	\$36.35
Additional usage per kgal	\$7.27
2017 WW Crossover Refunding Bonds	\$3.70
Debt Service 2020A Bonds:	\$6.80
Debt Service 2020B Bonds:	\$6.89
Debt Service 2023 Bonds:	\$11.95
Capital Replacement Program	\$7.90
Base Portion of Bill per Multiplier	\$73.59

2025 Impact Fees

Impact Fees 3/4" - 1.5"								
EAGLE RIVER WATER & SANITATION DISTRICT IMPACT FEES								
Meter Size	3/4" Short	3/4"			1"			1 1/2"
	.60 SFE	1.0 SFE			1.43 SFE			2.86 SFE
GPM	<21	21-25	25-30	30-35	35-40	40-45	45-50	50-100
WW	\$13,547	\$16,128	\$18,708	\$22,579	\$27,094	\$30,481	\$33,191	\$51,608
Vail Water	\$15,562	\$18,526	\$21,490	\$22,231	\$26,677	\$30,012	\$32,680	\$37,052

Impact Fees 2"-8"									
EAGLE RIVER WATER & SANITATION DISTRICT IMPACT FEES									
Meter Size	2" (C2)	2" (T2)	3" (C2)	3" (T2)	4" (C2)	4" (T2)	6" (C2)	6" (T2)	8"
	5.71 SFE	7.14 SFE	14.29 SFE	18.57 SFE	28.57 SFE	35.71 SFE	57.14 SFE	71.43 SFE	91.43 SFE
GPM	100-200	200-250	250-500	500-650	650-1,000	1,000-1,250	1,250-2,000	2,000-2,500	>2,500
WW	\$145,148	\$193,531	\$241,914	\$322,552	\$419,317	\$645,103	\$806,379	\$1,290,206	\$2,064,330
Vail Water	\$148,110	\$197,481	\$246,851	\$329,124	\$427,875	\$658,269	\$822,836	\$1,316,537	\$2,106,459

Exhibit A

2025 ERWSD Development Fees

Development, Inclusion, & Dedication Fees		
Eagle River Water & Sanitation District	Upper Eagle Regional Water Authority	
DEVELOPMENT FEE/ DEDICATION/ DEPOSIT	RESIDENTIAL	COMMERCIAL
Inclusion Fee	\$1,300	
Treated Water Storage Dedication (New Tank)	Where no existing regional water storage is sufficient to serve the proposed development, an applicant will be required to construct and dedicate water storage sufficient to serve the needs of the development. See Treated Water Storage Dedication policy.	
Water Rights Dedication Review Deposit	\$1,950	
Water Rights Dedication Cash-in-lieu	\$78,084 per consumptive acre-foot of water	

OTHER FINES AND FEES	
Description	Fee/Fine
Backflow Program Noncompliance Fine	500 per violation/per month
Fire Hydrant Meter Relocation Fee	200
Penalty Noncompliance Fee	150 per Multiplier /per month
Recording Fee	Actual Cost
Meter Inspection & Re-inspection Fee	200
Returned Check or ACH Fee	50
Service and Inspection Calls	200
Service Turn-off fee for remodel or construction	200
Tampering and Unauthorized Use	5000 per violation
Turn-off and Turn-on Fee for unpaid charges	200
Transfer of Service Fee	175
Account Reactivation Fee	125
New Connection Application Fee	250
Easement Encroachment Review	500
Variance Review	500
Development Approval Process	2,000
Infrastructure Acceptance Process	2,250
Delinquent Charge (CRS 29-1-1102)	5% on past due amount



BOARD ACTION REQUEST

TO: Boards of Directors
FROM: Brian Thompson, Government Affairs Supervisor
DATE: October 18, 2024
RE: Public Hearing and Resolution Regarding Proposed 2025 Budget

Summary of Subject: On Oct. 24, the ERWSD and UERWA boards will each convene a public hearing regarding its respective annual budget for 2025. Following the public hearing, each board will consider the attached required Resolutions.

Discussion and Background: ERWSD and UERWA must each adopt an annual budget after the conduct of a public hearing §29-1-108(1), C.R.S. For each entity, the proposed 2025 budget was supported by the board budget committee and presented to the full boards on Sept. 26 (prior to the Oct. 15 statutory deadline). A public hearing will be conducted at each entity's Oct. 24 board meeting.

Notice of this public hearing was published in the Vail Daily and Eagle Valley Enterprise on Sept. 19, pursuant to §29-1-106(1), C.R.S. Although not required by statute, notice was also included on customer billing statements and the District website.

At the public hearing, staff will present and answer questions from the board. The Chair will then ask for public input, which will be limited to three minutes per speaker. The Chair will then close the public hearing and ask the board to consider resolutions required by statute.

Attached to this Board Action Request is a Resolution to Approve and Adopt the 2025 Budget and a Resolution to Appropriate Sums of Money. For ERWSD, there is also a Resolution to Set Mill Levies. A certified copy of the budget, including these Resolutions, must be filed with the Division of Local Government, pursuant to §29-1-113, C.R.S.

Legal Issues: These Resolutions comply with applicable statutes.

Budget Implication: The budget will set 2025 operations and capital spending.

Recommendation: Staff recommends approval of the 2025 budget resolutions.

Suggested motions (UERWA):

- 1) I move to approve and adopt Resolution 2024-06 to Approve and Adopt the 2025 Budget for the Upper Eagle Regional Water Authority, as presented.
- 2) I move to approve and adopt Resolution 2024-07 to Appropriate Sums of Money, as presented.

Suggested motions (ERWSD):

- 1) I move to approve and adopt Resolution 2024-08 to Approve and Adopt the 2025 Budget for the Eagle River Water & Sanitation District, as presented.
- 2) I move to approve and adopt Resolution 2024-09 to Appropriate Sums of Money, as presented.
- 3) I move to approve and adopt Resolution 2024-10 to Set Mill Levies, as presented.

Encls.

Clean Water. Quality Life.™

846 Forest Road Vail, Colorado 81657 Tel (970) 476-7480 Fax (970) 476-4089 erwsd.org

EAGLE RIVER WATER & SANITATION DISTRICT
RESOLUTION NO. 2024-08
RESOLUTION TO ADOPT 2025 BUDGET

WHEREAS, the Board of Directors of the Eagle River Water & Sanitation District (“District”) has appointed a budget committee to prepare and submit a proposed 2025 budget to the Board at the proper time; and

WHEREAS, such budget committee has submitted a proposed budget to this Board on or before October 15, 2024, for its consideration pursuant to § 29-1-105, C.R.S.; and

WHEREAS, upon due and proper notice, published or posted in accordance with the law, said proposed budget was open for inspection by the public at a designated place, and a public hearing was held on October 24, 2024, and interested electors were given the opportunity to file or register any objections to said proposed budget; and

WHEREAS, the budget has been prepared to comply with all terms, limitations and exemptions, including, but not limited to, reserve transfers and expenditure exemptions, under Article X, Section 20 of the Colorado Constitution ("TABOR") and other laws or obligations which are applicable to or binding upon District; and

WHEREAS, whatever decrease may have been made in the revenues, like decreases were made to the expenditures so that the budget remains in balance, as required by law.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of EAGLE RIVER WATER & SANITATION DISTRICT:

1. That estimated expenditures for each fund are as follows:

Wastewater Fund:	\$50,913,510
Vail Water Sub-District:	\$17,180,963
Total Expenditures:	\$68,094,473

2. That estimated revenues for each fund are as follows:

From unappropriated surpluses:	\$235,753
From Bond Proceeds:	\$11,662,372
From sources other than general property tax:	\$41,605,062
From general property tax:	\$807,200
Total Wastewater Fund:	\$51,835,158

From unappropriated surpluses:	\$143,659
From Bond Proceeds:	\$5,936,702
From sources other than general property tax:	\$12,212,126
From general property tax:	\$717,000
Total Vail Water Sub-District:	<u>\$19,009,487</u>
Total Revenues:	<u>\$73,319,875</u>

3. That the budget, as submitted, amended and herein summarized by fund, be, and the same hereby is, approved and adopted as the budget of Eagle River Water and Sanitation District for the 2025 fiscal year. In the event of recertification of values by the County Assessor's Office after the date of adoption hereof, staff is hereby directed to modify and/or adjust the budget and certification to reflect the recertification without the need for additional Board authorization. Any such modification to the budget or certification as contemplated by this Section shall be deemed ratified by the Board.

4. That the budget, as hereby approved and adopted, shall be certified by the Treasurer and/or President of the District to all appropriate agencies and is made a part of the public records of the District.

ADOPTED AND APPROVED this 24th day of October 2024.

EAGLE RIVER WATER & SANITATION
DISTRICT

By:

Dick Cleveland, Chair

ATTEST:

By:

Robert Warner, Jr, Secretary

EAGLE RIVER WATER AND SANITATION DISTRICT

CERTIFICATION OF BUDGET

TO: THE DIVISION OF LOCAL GOVERNMENTS

This is to Certify that the budget, attached hereto, is a true and accurate copy of the budget of Eagle River Water and Sanitation District, for the budget year ending December 31, 2025, as adopted on October 24, 2024.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of Eagle River Water and Sanitation District in Eagle County, Colorado, this _____ day of _____, _____.

EAGLE RIVER WATER AND SANITATION
DISTRICT

By: _____
Dick Cleveland, Chair

EAGLE RIVER WATER & SANITATION DISTRICT
RESOLUTION NO. 2024-09
RESOLUTION TO APPROPRIATE SUMS OF MONEY

WHEREAS, the Board of Directors of the Eagle River Water & Sanitation District (“District”) has adopted the 2025 annual budget in accordance with the Local Government budget laws on October 24, 2024; and

WHEREAS, the Board of Directors for the District has made provision therein for revenues in an amount equal to the total proposed expenditures as set forth in said budget; and

WHEREAS, it is not only required by law, but also necessary to appropriate the revenues provided in the budget to and for the purposes described below, as more fully set forth in the budget, including any interfund transfers listed therein, so as not to impair the operations of the Authority.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors for the Eagle River Water & Sanitation District that the following sums are hereby appropriated from the revenues of each fund, to each fund, for the purposes stated:

Eagle River Water and Sanitation District- WW:	\$50,913,510
Eagle River Water and Sanitation District- Water Subdistrict:	\$17,180,963
Total Appropriation:	\$68,094,473

ADOPTED AND APPROVED this 24th day of October 2024.

EAGLE RIVER WATER & SANITATION
DISTRICT

By:

Dick Cleveland, Chair

ATTEST:

By:

Robert Warner, Jr, Secretary

EAGLE RIVER WATER & SANITATION DISTRICT
RESOLUTION NO. 2024-10
RESOLUTION TO SET MILL LEVIES

WHEREAS, the amount of money from property taxes necessary to balance the budget for general operating expenses for the District (WW) is \$837,315; and

WHEREAS, the amount of money from property taxes necessary to balance the budget for debt service expenses for the District (WW) is \$1,366,526; and

WHEREAS, the amount of money from property taxes necessary to balance the budget for general operating expenses for the Eagle River Water and Sanitation District Water Subdistrict (“Water Subdistrict”) is \$695,124; and

WHEREAS, the amount of money from property taxes necessary to balance the budget for debt service expenses for the Water Subdistrict is \$742,556; and

WHEREAS, the 2025 valuation for assessment of the District (WW), as certified by the Eagle County Assessor, is \$3,624,738,420; and

WHEREAS, the 2025 valuation for assessment of the Water Subdistrict, as certified by the Eagle County Assessor, is \$1,635,586,790.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors for the Eagle River Water & Sanitation District:

1. That for the purpose of meeting all general operating expenses of the District during the 2025 budget year, there is hereby levied a property tax of .231 mills upon each dollar of the total valuation for assessment of all taxable property within the District to raise \$837,315.
2. That for the purpose of meeting all debt service expenses of the District during the 2025 budget year, there is hereby levied a property tax of .377 mills upon each dollar of the total valuation for assessment of all taxable property within the District to raise \$1,366,526.
3. That for the purpose of meeting general operating expenses of the Water Subdistrict during the 2025 budget year, there is hereby levied a property tax of .425 mills upon each dollar of the total valuation for assessment of all taxable property within the Water Subdistrict to raise \$695,124.
4. That for the purpose of meeting debt service expenses of the Water Subdistrict during the 2025 budget year, there is hereby levied a property tax of .456 mills upon each dollar of the total valuation for assessment of all taxable property within the Water Subdistrict to raise \$742,556.

5. That the Treasurer and/or President of the District is hereby authorized and directed to immediately certify to the County Commissioners of Eagle County, Colorado, the mill levies for the District and Water Subdistrict as hereinabove determined and set, or as adjusted, if necessary, upon receipt of the final (December) certification of valuation from the county assessor in order to comply with any applicable revenue and other budgetary limits.

ADOPTED AND APPROVED this 24th day of October 2024.

EAGLE RIVER WATER & SANITATION
DISTRICT

By:

Dick Cleveland, Chair

ATTEST:

By:

Robert Warner, Jr, Secretary



2024 ERWSD CONTRACT LOG

Contract No.	Date Executed	Project Name	Contractor	Contract Amt.	Project Mgr.	Account No.	Total Amount per Account	Contract Type	Status / Description	District Total	Authority Total
24.15.083	09/30/24	On Call Geotechnical Engineering Services	Ground Engineering Consultants, Inc.	\$50,000.00	N. Nemcanin	10.3.9.10.20.520 10.3.9.20.20.520 20.1.9.00.35.500	\$20,000.00 \$20,000.00 \$10,000.00	Master Services Agreement	Various geotechnical tests as needed through 2025.	\$40,000.00	\$10,000.00
24.15.084	09/30/24	Edwards Wastewater Nutrient Upgrades Project Partnering Facilitation	Red Rocks Advisors	\$18,000.00	J. Beairsto	10.3.2.10.03.505	\$18,000.00	Services Agreement	Facilitation of partnering sessions for CMAR project including the partnering kickoff, construction phase kickoff, one follow up session, and a close out session.		
24.15.085	Pending	Traffic Control for Various Distribution and Collection Repairs	C C Enterprises - Traffic Control Specialists, Inc.	\$75,000.00	N. Nemcanin	10.3.9.20.20.520 10.3.9.10.20.520 20.1.9.00.35.500	\$25,000.00 \$25,000.00 \$25,000.00	Master Services Agreement	Traffic control for various distribution and collection projects.	\$50,000.00	\$25,000.00
24.15.086	10/01/24	Eagle Vail Interceptor Lining	Insituform Technologies, LLC	\$594,783.00	J. Schneider	10.3.2.10.01.027	\$594,783.00	Services Agreement	CIPP lining of 18" and 21" Clay Sewer Interceptor on US Hwy 6 in Eagle Vail.		
24.15.087	Pending	Edwards WWTF Biofilter Media Replacement	M-K Hydrovac, Inc.	\$73,000.00	K. Nelson	10.3.2.10.13.115	\$73,000.00	Services Agreement	Remove media from headworks and solids handling biofilters at Edwards WWTF.		



**EAGLE RIVER
WATER & SANITATION
DISTRICT**

BOARD ACTION REQUEST

TO: District Board of Directors
FROM: Micah Schuette
DATE: October 24, 2024
RE: Timber Ridge II - Vail Water Rights Dedication

Summary of Subject: Staff is requesting Board approval of a \$161,740 cash payment in lieu of a 2.28 acre-foot water rights dedication for the Timber Ridge II redevelopment project. This 2.28 acre-foot total reflects 100% of the net projected increase of consumptive water use.

Discussion and Background: The Timber Ridge II redevelopment project is located at 1280 North Frontage Road in Vail.



Figure 1. Location of Timber Ridge II Development

This redevelopment project will result in the construction of 7 new multifamily residential buildings with a total of 302 new units on the former Timber Ridge Lot 1 development. The property owner has maintained and paid water and sewer service base rates for 98.6 SFEs and the redevelopment will result in a net SFE increase of 203.4 SFEs.

Staff has made the following assumptions when calculating the water demands for the project:

1. Staff is projecting the water demand for a net increase of 203.4 SFEs at 200 gallons per day per SFE. This is consistent with previous dedications in recent history and multi-family residential use within the service area.
2. Given the density of the development and installation of a new irrigation system, staff is not projecting any net increase in irrigation demand on the property.

The resulting cash payment of \$161,740 in lieu of a 2.28 acre-foot dedication utilizes the 100% dedication requirement per the District's Water Dedication Policy for employee type housing consistent with similar developments in the area.

Legal Issues: Legal Counsel will be present at the Board meeting to discuss any potential legal questions.

Budget Implication: The proposed resolution will have a positive impact on revenues equal to the fee collected. A deposit of \$38,847 was secured prior to the issuance of the conditional capacity to serve letter in March of this year leaving a remaining balance of \$122,893.

Recommendation: Staff recommends approval of the proposed \$161,740 cash payment in lieu of a water rights dedication of 2.28 acre-feet.

Suggested Resolution and Motion: I move to accept a cash in lieu of water rights dedication payment of \$161,740 to cover the 2.28 acre-feet needed to satisfy the water dedication requirement for the Timber Ridge II project.

Attached Supporting Documentation:

Timber Ridge Phase II - Water Demand Worksheet - 2024 - ERWSD Review.pdf
Timber Ridge II - Cash in Lieu Calculator – 2024.pdf
9859 Triumph Development - Timber Ridge II.pdf (Deposit Invoice)

WATER DEMAND WORKSHEET



Note to Applicant: Please complete all information highlighted in blue. Additional comments to be entered on the Comments worksheet.

Project Name: Timber Ridge Village
Contact Person: Mike Foster
Telephone: 303-475-4413 **Date:** 10/16/2024

Description of Proposed Project:
 Redevelop Timber Ridge II, demo existing 8 structures (96 units / 192 bedrooms plus 2.6 SFEs for office w/ laundry for a total of 98.6 SFE). Then construct 7 new buildings, 302 units / 563 bedrooms. Net increase in SFEs will be 195.4. No net increase in irrigated area anticipated.

Location of Proposed Project (qtr qtr section, township, range, lot/filing) (attach legal description):
*LOT 1, TIMBER RIDGE SUBDIVISION
 A PART OF SECTION 12, TOWNSHIP 5 SOUTH, RANGE 81 WEST OF THE 6th P.M.
 TOWN OF VAIL, EAGLE COUNTY, COLORADO*

Total Area (square feet or acres):
 5.4936 AC

Has this area been annexed to a metropolitan district or town? **Yes** X
No

If yes, identify: Town of Vail

Is this project a redevelopment of existing lots and structures? **Yes** X
No

If yes, identify by water/sewer billing address:
1280 N. Frontage Road, W. Vail CO 81657

1. RESIDENTIAL INDOOR WATER DEMAND

A. Detached single family lots (number):	<u> </u>	
Average lot size:	<u> </u>	square feet
B. Average floor area of house: (inclusive of garage and unfinished basement)	<u> </u>	square feet
C. Greater of A or A x B / 3,000:	0.0	single family equivalents (SFEs)
D. In-house demand @ 350 GPD/SFE (C x 0.3921):	0	acre-feet per year
E. Multi-family units (number): (inclusive of duplex, condominium, and apartment units)	<u>203.4</u>	Note: this is the delta between existing and proposed.
F. Average floor area of unit: (inclusive of garage and unfinished basement)	<u>900</u>	square feet
G. Greater of E or E x F / 3,000:	203.4	single family equivalents (SFEs)
H. In-house demand @ 200 GPD/SFE (G x 0.2240):	45.57	acre-feet per year
I. Total In-house demand (D + H):	45.57	acre-feet per year

2. IRRIGATION WATER DEMAND

Project Name: Timber Ridge Village

A. Average irrigated area per detached single family lot:		square feet
B. Irrigated area (1A x 2A / 43,560):	0.00	acres
C. Average irrigated area per multi-family unit:		square feet
D. Irrigated area (1E x 2C / 43,560):	0.00	acres
E. Other irrigated areas:		
1. Irrigated parks	0.00	acres
2. Irrigated entry features		acres
3. Irrigated street ROW		acres
4. Common space		acres
5. Total other	0.00	acres
F. Total irrigated areas (2B + 2D + 2E5):	0.00	acres
G. Total irrigation demand (11 gallons/squarefoot):	0.00	acre-feet

Describe irrigation methods (sprinkler, drip, etc.) & Type of irrigated area(s):
 none today

3. OTHER OUTDOOR WATER USES

A. Pond water surface area:		square feet
B. Fountain water surface area:		square feet
C. Swimming pool:		
1. Surface area		square feet
2. Volume		gallons

4. OTHER INDOOR WATER USES

Type		Annual Requirement (acre-feet)
A. Retail	square feet	0.00 0.10 gpd/sqft
B. Office	square feet	0.00 0.16 gpd/sqft
C. Warehouse or storage	square feet	0.00 0.06 gpd/sqft
D. Motel/hotel without kitchens	guest rooms	0.00 100 gpd/room
E. Motel/hotel with kitchens	guest rooms	0.00 150 gpd/room
F. Restaurant	seats	0.00 35 gpd/seat
G. Tavern	seats	0.00 20 gpd/seat
H. Other (describe)		
Community rooms, (3) restroom / kitchen sink at all 3 locations.		

I. Total other indoor usage 0.00 acre-feet

Describe below the expected number of employees/guests/daily hours and anything that impacts the number of people using the facilities or special features such as swimming pools, hot tubs, or other indoor water features (use the Comments worksheet if more space is needed):
 302 new Condos, each with a kitchen / washer / 456 bathrooms. Landscape areas, with limited irrigation. No other water demands.

Project Name: Timber Ridge Village

5. AVERAGE ANNUAL CONSUMPTIVE USAGE (FOR ERW&SD STAFF USE)

	Demand (acre-feet)	Consumptive Use (acre-feet)
A. Indoor usage	45.57	2.28
B. Irrigation usage	0.00	0.00
C. TOTAL	45.57	2.28

APPLICANT:

Project Name: Timber Ridge Village

By: Mike Foster
(Owner/Authorized Representative)

Date: 7/27/2023

DISTRICT:

Verified By: Micah Schuette
(ERW&SD Employee)

Date: 10/16/2024

Disclaimer: Eagle River Water & Sanitation District and Upper Eagle Regional Water Authority retain the right to revise the factors and cash-in-lieu payments.

Additional information, explanations and comments:



WATER RIGHTS DEDICATION REQUIREMENTS OR CASH IN LIEU
Eagle River Water & Sanitation District and Upper Eagle Regional Water Authority



(values in acre-feet)

Note to Applicant: This worksheet to be completed by ERWSD personnel.

Project Name: Timber Ridge Redevelopment Phase II

Date: 10/11/2024

Wastewater treated at: Vail WWTP

Component	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Residential Indoor Usage	3.87033	3.49578	3.87033	3.74548	3.87033	3.74548	3.87033	3.87033	3.74548	3.87033	3.74548	3.87033	45.57000
Other Indoor Usage	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00000
Irrigation Usage	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00000
Other Outdoor Usage													
Total Demand	3.87033	3.49578	3.87033	3.74548	3.87033	3.74548	3.87033	3.87033	3.74548	3.87033	3.74548	3.87033	45.57001
Total Consumptive Use	0.19352	0.17479	0.19352	0.18727	0.19352	0.18727	0.19352	0.19352	0.18727	0.19352	0.18727	0.19352	2.27851
Dedication Requirement @ 100%	0.19352	0.17479	0.19352	0.18727	0.19352	0.18727	0.19352	0.19352	0.18727	0.19352	0.18727	0.19352	2.27851

Cash in Lieu of Water Rights Payment:

\$161,740

Cash in Lieu of Water Rights Deposit:

\$38,847

Balance Due:

\$122,893

Row description:

Residential Indoor Use: The annual total comes from cell "C46" in the "AnnualWorksheet". The annual amount is distributed monthly based on number of days in month.

Other Indoor Usage: The annual total comes from cell "E94" in the AnnualWorksheet. The annual amount is distributed monthly based on number of days in month.

Irrigation Usage: The annual total comes from cell "C66" in the "Annual/Worksheet". The annual amount is distributed monthly based on the ratio of estimated monthly consumptive use to annual consumptive use: May 14%, June 23%, July 26%, August 21%, September 14%, October 2%.

Other Outdoor Usage: The annual total comes from section 3 of the "AnnualWorksheet". The annual amount is distributed monthly depending on the type of other use and must be analyzed on a project specific use.

Total Demand: Sum of the 4 use types.

Total Consumptive Use: Monthly Indoor use x 5% + Irrigation Use x 80% + Outdoor Use (dependent on specific use).

Dedication Requirement: Total Consumptive Acre-Foot of Water Use

Cash in Lieu of Water Rights Payment \$70,985 per consumptive acre-foot of water of Dedication Requirement

Notes:

The values used in the Cash in Lieu calculation are taken from the most recent ERWSD Resolution on Water Dedication Rates effective January 1, 2024



Eagle River Water & Sanitation District
846 Forest Rd
Vail CO 81657

Ph (970)476-7480 Fax (970)476-4089
 www.erwsd.org

Invoice	0009859
Date	3/27/2024
Page	1

Invoice Due Date 4/26/24

Bill To:

Triumph Development
 105 Edwards Village Blvd. #C201
 Edwards CO 81632

 Mike Foster

Job:

Triumph Development
 Mike Foster
 105 Edwards Village Blvd. #C201
 Edwards CO 81632

Work Order #	Customer ID	Service Date(s)	Payment Terms	Master No.
TIMBER RIDGE II	TRIDEV001	0/0/0000 to 0/0/0000	Net 30	6,942

Quantity		Description	Discount	Unit Price	Ext. Price
1.00	Each	25% Cash in Lieu of Water Rights Payment Deposit Timber Ridge Phase II Redevelopment Owner: Town of Vail		\$38,847.00	\$38,847.00

If not paid as due, a late fee of 1% per month will be assessed on the unpaid balance. Additional costs incurred, as well as attorney's fees required for collection, will also be charged.

Subtotal	\$38,847.00
Misc	\$0.00
Tax	\$0.00
Freight	\$0.00
Trade Discount	\$0.00
Total	\$38,847.00



BOARD ACTION REQUEST

TO: Boards of Directors
FROM: Brian Thompson, Government Affairs Supervisor
DATE: October 18, 2024
RE: Updated Fund Balance Policy

Summary: At the Oct. 24 board meetings, Jim Cannava and David Norris will present updated Fund Balance Policies for board consideration. This policy needs to be updated in order to meet key qualifications for optimal bond ratings.

Discussion and Background: Each board updated its Fund Balance Policy in 2023 ("2023 Policy") to reaffirm guidelines for maintaining appropriate fund balance levels, which is critical to ensuring prudent financial management, improve creditworthiness, maintain high-quality services, and safeguard long-term financial stability.

Section 1 of the 2023 Policy states that each entity "shall maintain a reserve equivalent to a minimum of six months' worth of operating expenses to ensure a cushion against unexpected financial challenges." Six months of operating expenses is no longer an industry standard. As discussed at previous board meetings, Standard and Poor's (S&P) requires at least 500 days of operating expenses in reserve to be eligible for A+ bond ratings. By amending Section 1 to increase the operating expense reserve from 6 months to 500 days, both entities will be able to lower bond costs and increase financial security.

We propose to amend Section 1 to read that each entity "shall maintain a reserve equivalent to at least 500 days of operating expenses to provide a buffer against financial uncertainty."

If approved by the board, the updated policy will become effective immediately. The boards will continue to regularly review this policy.

Jim and David will discuss budget implications at the Oct. 24 board meetings.

Suggested Motion: I move to approve and adopt the updated Fund Balance Policy, as presented.

Attachment: Updated Fund Balance Policy



BOARD POLICY

Title: Fund Balance Policy	Department: Business Administration
Effective Date: 10/26/2024	Previous Effective Date(s): 10/23/2023

Background:

The purpose of this policy is to establish clear guidelines for maintaining an appropriate level of fund balance in the Wastewater and Water Funds. This policy is designed to ensure prudent financial management, improve creditworthiness, maintain high-quality services, and safeguard the long-term financial stability of the District, contributing to the well-being of the community it serves.

Policy:

To determine appropriate Fund Balance levels, the District will consider the following critical factors:

1. **Maintain 500 days of Operating Funds:** The District shall maintain a reserve equivalent to at least 500 days of operating expenses to provide a buffer against financial uncertainty.
2. **Hold Reserves to Meet All Bond Covenants:** Sufficient reserves shall be maintained to meet all bond covenants and obligations, providing security to investors.
3. **Flexibility for Emergency Expenditures:** The policy provides flexibility to address emergency or unexpected expenditures, including maintaining a contingency fund that can be accessed as needed.
4. **Reserves for Revenue Shortfalls:** Reserves shall be maintained to cover any shortfalls in revenues due to unexpected changes in demand, such as wet weather, drought conditions, or natural disasters, ensuring financial stability during unforeseen events or economic disruptions.
5. **Bond Issue Timing Flexibility:** Reserves shall allow flexibility in bond issue timing to better manage the implementation of increased rates, ensuring financial agility in responding to market conditions.

To meet the levels outlined above, this policy establishes the following targets:

- **Fund Balance Floor:** The minimum fund balance shall be set at 500 days of operating expenses to maintain financial security.
- **Fund Balance Ceiling:** The maximum fund balance shall be set at 600 days of operating expenses to prevent excessive accumulation of funds.

In the event that the fund balance falls below the targeted floor, District staff will develop a plan through the annual budgetary process to restore the balance to the target level within a reasonable period, not exceeding three years. Any amounts exceeding the ceiling will be reviewed by the Board of Directors to determine their appropriate use. District staff will continue to proactively evaluate factors driving the fund balance strategy and adjust as necessary to ensure the District's long-term financial health.



BOARD ACTION REQUEST

TO: Board of Directors
FROM: David Norris, Director of Business Administration
Tom Borawski, People Operations Manager
DATE: October 16, 2024
RE: Employee Home Ownership Program (EHOP)

Summary: Staff recommends updates to the Employee Home Ownership Program (EHOP) to comply with recent changes to the loan qualification checklists by Fannie Mae and Freddie Mac.

Discussion and Background: Earlier in 2024, Fannie Mae and Freddie Mac updated their loan qualification checklists to disallow balloon payments before the first mortgage (the mortgage not setup through the District). This poses a challenge for the District's current EHOP because it includes an equity share concept that begins in Year 6, which is classified as a "balloon payment." Employees can borrow 17% or up to \$245,000 of a home's purchase price, provided it's their primary residence, with no payments required until Year 15. At that point, employees must repay the principal along with an equity share based on the home's appreciated value.

This structure creates risks for both the District and employees. The balloon payment isn't accounted for in lenders' Debt-to-Income (DTI) calculations, and employees may not fully factor it into their financial planning, leading to challenges in covering the expense when it comes due. Additionally, the equity share concept is often confusing, contributing to lower utilization of the program.

Given these concerns, staff proposed updating the District's EHOP structure to include smaller, regular loan payments over time at a reduced interest rate, ensuring compliance with updated federal regulations and improving accessibility for employees. The enclosed table outlines the guidelines of the current EHOP program, as well as the proposed updated EHOP program. Red text indicates a difference in the programs. At the Oct. 24 board meeting, we will discuss the proposed updates and present examples based on various home purchase prices to assess the proposed program's fit.

Budget Impacts: Expenses associated with EHOP are included in annual budget packages. If loans issued each year exceed budgetary limits, staff would seek approval from the board.

Suggested Board Motion: I move to adopt the proposed Employee Home Ownership Program, as presented, effective immediately.

Attachment: Current vs. Proposed Updated Employee Home Ownership Program table

Current vs. Proposed Updated Employee Home Ownership Program (EHOP)

Category	Current EHOP	Proposed EHOP
Eligible Borrowers	Regular full-time employees with one year of service, pre-approved by the District. One loan per household. First-come, first-served basis.	Same as 2023
Eligible Property	Primary residence in Eagle and surrounding counties. Must meet building standards. No other residential property ownership in Eagle, Pitkin, Garfield, Summit, or Lake counties.	Same as 2023
Max. Purchase Price	Determined on a case-by-case basis.	Same as 2023
Income Threshold	No income limitations.	Same as 2023
Loan Amount	Up to 17% of the purchase price or \$245,000, whichever is less.	Up to 30% of the purchase price or \$245,000, whichever is less.
Compatible Mortgages	Must qualify with a reputable lender. No FHA, subprime, or non-conforming products allowed.	Same as 2023
Debt Ratio	Maximum back ratio of 45%.	Same as 2023
Loan to Value	Maximum Combined Loan to Value (CLTV) of 97%.	Same as 2023
Minimum Investment	3% of the purchase price from an acceptable source.	10% of the purchase price from an acceptable source
Interest Rate	Not specified in 2023 version.	Based on Colotrust Plus+ daily yield plus a 2% margin. While employed, a discounted rate of 3% less than Colotrust Plus+ daily yield (but no less than 1.5%) will be utilized.
Repayment	Principal and interest payments are not required. Equity sharing applies based on appreciation of the home, with a sliding scale over the first 15 years.	Monthly payments required. Lump sum repayment required upon sale, refinance, or if home is no longer the primary residence. If full repayment is reached prior to year 5, while employed, all paid interest will be refunded to the borrower.
Use of Funds	Down payment only, cannot be used for closing costs.	Same as 2023
Right of First Refusal	Right of first refusal by the District in case of default.	Same as 2023
Homebuyer Training	Required for first-time homebuyers.	Same as 2023
Term	Maximum 15 years.	Maximum 30 years.
Loan Fees	IDF origination fee at closing.	Same as 2023
Collateral	Subordinate lien on the property.	Same as 2023
Equity Sharing	Pro-rata share of recognized appreciation based on the percentage of EHOP loan. Sliding scale from 75% to 100% over 6–15 years.	N/A in 2024 version.
Exceptions Policy	District may consider exceptions to eligibility and underwriting criteria.	Same as 2023
Origination Procedures	Loan officer submits documentation to IDF, which handles processing, closing, and post-closing procedures.	Same as 2023



M E M O R A N D U M

TO: Boards of Directors
FROM: Brian Thompson, Government Affairs Supervisor
DATE: October 18, 2024
RE: Board Compliance Training

At the Oct. 24 board meetings, Kathryn Wynn will present the fourth and final component of the 2024 board compliance training series on **Board Fundamentals**.

Consistent board compliance training is recommended by the Special District Association and other industry experts to help board members fulfill their legal and ethical responsibilities, avoid potential risks and liability, and promote decisions and behaviors that protect the integrity of the board. The Board Fundamentals training will focus on guiding principles and best practices related to open meetings, executive sessions, open records, and board member decorum.

There are 15-20 minutes dedicated on the ERWSD and UERWA board meeting agendas for this informational training. If a director wishes to ask a detailed question or discuss a personal situation, we can arrange a private meeting with the GM and/or counsel. We appreciate your ongoing participation and welcome suggestions on future trainings.



BOARD COMMITTEES

DISTRICT

<i>Audit/Budget</i>	Dick Cleveland Steve Coyer *Sarah Smith Hymes
<i>Employee Housing</i>	Steve Coyer Rick Pylman *Robert Warner, Jr.
<i>Retirement Plans</i>	Robert Warner, Jr. Siri Roman David Norris *Dick Cleveland
<i>Organizational Development</i>	Robert Warner, Jr. Dick Cleveland *Timm Paxson
<i>Water Quality</i>	Sarah Smith Hymes Timm Paxson *Steve Coyer

AUTHORITY

<i>Audit/Budget</i>	Geoff Dreyer George Gregory *Joanna Kerwin
---------------------	--

JOINT

<i>Rules and Regulations</i>	Kim Bell Williams (A) Robert Warner, Jr. (D) *George Gregory (A) *Rick Pylman (D)
<i>Water Conservation</i>	Kevin Hillgren (A) Tamra Underwood (A) Kate Burchenal (D) Steve Coyer (D) *Geoff Dreyer (A) *Sarah Smith Hymes (D)

(A) = Authority, (D) = District

**Backup committee member
(serves in the absence of a primary member)*



**UPPER EAGLE REGIONAL
WATER AUTHORITY**

M E M O R A N D U M

TO: Board of Directors
FROM: Brian Thompson, Government Affairs Supervisor
DATE: September 20, 2024
RE: Summary of August 22, 2024, Board Meetings

GOVERNED BY:

The Metropolitan
Districts of:
Arrowhead
Beaver Creek
Berry Creek
EagleVail
Edwards

The Town of Avon

The following is a summary of items discussed at the Authority’s August 22, 2024, board meeting. Directors present and acting were Chair George Gregory, Secretary Kim Bell Williams, Treasurer Geoff Dreyer, Kevin Hillgren, Joanna Kerwin, and Tamra Underwood.

- Board Member Compliance Training** The board participated in the second component of a four-part compliance training. Tom Borawski discussed strategies to prevent and address discrimination, protocols for reporting incidents or complaints to the District’s General Manager, and an overview of the District’s nondiscriminatory hiring and procurement policies.
- Colorado Water Congress (CWC)** Siri Roman said she presented at the CWC Summer Conference, where she highlighted the District’s sustainability initiatives and collaboration with Holy Cross Energy on emergency response preparedness.
- Financial Overview** David Norris presented a financial overview in preparation for the 2025 budget. He discussed the impacts of historical bonding, rate decisions, and deferred maintenance on the Authority’s outstanding debt, which has resulted in significant commitments of revenues to debt servicing. He also said the 2025 budget strategy incorporates rate increases to improve fund balances and address infrastructure needs, while continuing to prioritize affordability.
- Water Dedication** Jason Cowles reported on recent water allocations to developments at Freedom Park and Colorado Mountain College in Edwards.
- Greenhouse Gas (GHG) Emissions Inventory** Tim Friday reported on the 2023 GHG Emissions Inventory for the Authority and District. Key findings included a 15% reduction in GHG emissions and a 30% reduction in natural gas use since 2019. GHG emissions decreased by 80% compared to the period before 2019, which is the target reduction level set by Eagle County’s Climate Action Plan for 2050. The report also confirmed that 100% of electricity usage is offset through its participation in Holy Cross Energy’s PuRE program.

The following is a summary of items discussed at the Aug. 22, 2024, Special Joint Meeting with the ERWSD board of directors.

UERWA Directors present and acting were Chair George Gregory, Secretary Kim Bell Williams, Treasurer Geoff Dreyer, Kevin Hillgren, Joanna Kerwin, and Tamra Underwood.

- Bolts Lake Update** Consultants from Black & Veatch presented an update on the Bolts Lake project. The project will require many permits, including a National Environmental Policy Act (NEPA) permit. Black & Veatch believes an Environmental Assessment, rather than an Environmental Impact Statement, will be required by NEPA due to no significant environmental impacts.



MEMORANDUM

TO: Board of Directors
FROM: Siri Roman, General Manager
DATE: Oct. 17, 2024
RE: General Manager Report

Per and Polyfluoroalkyl Substances (PFAS) – BASF Corp Settlement Opt Out

The District and Authority continue to be named as class members in class action settlements involving per and polyfluoroalkyl substances (PFAS). Based on the recommendation by our water quality counsel, Bushong & Holleman PC (BH), both boards gave direction at the July 25 board meetings to “opt out of all PFAS class action settlements that contain similar structures, language, and issues as the 3M and DuPont settlements, of which the District opted out on Nov. 30, 2023.” The boards voted to opt out of the 3M and DuPont settlements primarily due to the broad immunity provided to defendants from future liability and the unreasonable compensation being offered to public water systems (PWSs). As discussed at the July 25 board meeting, BH would pursue opting out from the class action settlement involving Tyco Fire Products LP. This exclusion was confirmed by the Opt Out Administrator on Sept. 16. On Oct. 1, we received notice of a fourth PFAS class action settlement involving BASF Corp (BASF Settlement). According to BH, the BASF Settlement contains the same issues as the previous settlements and is similarly sweeping and overbroad. The BASF Settlement would provide an even smaller payout to PWSs. Based on both boards’ direction, we authorized BH to opt out of the BASF Settlement, and this exclusion was confirmed on Oct. 14. We will continue to notify the boards of additional PFAS class action settlements.

Regulation #31: The Basic Standards and Methodologies for Surface Water

The Regulation #31 Issues Scoping Hearing (ISH) will be held on Nov. 12, 2024. Temperature standards and implementation into discharge permits continue to be a concern for the District, especially in light of the stringent temperature limits that were recently included in the town of Eagle’s discharge permit. Given the potential cost and energy impacts cooling wastewater effluent would have on our communities, the District has collaborated with the County and local towns to provide comments to the Colorado Water Quality Control Commission (WQCC). The intent of the attached letter and technical memo is to identify potential issues for the ISH that form the basis for a possible proposal to be submitted by the District and other stakeholders for

consideration by the WQCC in the rulemaking for Regulation #31: The Basic Standards and Methodologies for Surface Water scheduled for June 2026.

Organizational Values

The current organizational values were established in 2011. Over the years, staff has commented that the values are outdated, there are too many, and they are too wordy. Early this year, the People Operations (POps) team initiated a collaborative, cross-departmental, data-driven effort to update the values to represent our organization today and what we aspire to be in the future. We are in the stage of this process that we would like to review the themes / thoughts / values that we heard from staff and gather input from the Board. POps staff will present the process, data analysis, and proposed values at the board meeting. The Organizational Development Committee will have had the opportunity to review the proposed values in advance of the meeting.

Attachments: Eagle River Parties Regulation 31 Issues Scoping Hearing cover letter and comments

October 18, 2024

transmitted via email



Jojo La
Administrator
Colorado Water Quality Control Commission
4300 Cherry Creek Drive South, A-5
Denver, CO 80246
Email: cdphe.wqcc@state.co.us



Re: Issues Scoping Hearing Comments for Triennial Review of the Basic Standards and Methodologies for Surface Water – Regulation #31(1002-31)



Dear Ms. La and Water Quality Control Commissioners:



The Eagle River Water & Sanitation District (ERWSD), Upper Eagle Regional Water Authority (UERWA), Eagle County, and the towns of Avon, Eagle, Gypsum, Minturn, and Vail (collectively the “Eagle River Parties”) provide the attached comments to identify potential issues that may be considered by the Colorado Water Quality Control Commission (“Commission”) at the June 2026 rulemaking hearing for Regulation #31: The Basic Standards and Methodologies for Surface Water (5 CCR 1002-31).



The Eagle River Parties, and the entire State of Colorado, are prioritizing several shared goals, such as building workforce housing, reducing greenhouse gases, and protecting public health and the environment. To reach these goals, we must invest public funds and resources on efforts that will have the greatest impact to our communities and environment. Strict temperature limits are often unattainable for Colorado wastewater agencies without prohibitive infrastructure changes, and they offer limited environmental benefits. We ask the Commission to implement temperature standards that are protective *and* consider the many variables that are out of our local control, including climate variability and transmountain diversions. For us to best serve our communities – particularly small, western slope communities with limited resources – a comprehensive and flexible approach to temperature is critical.



For nearly 15 years, stakeholders in the Eagle River watershed have made significant efforts to address the ongoing problems with temperature standards and their implementation.



The recent 303(d) listing of Eagle River Segment 9c exemplifies the temperature problem. Even though the naturally occurring small excursions over the chronic temperature standard in Segment 9c were

less than those allowable, as described in the standard itself (5 CCR 1002-31, Table I, FN5(c)), the Segment was listed. That listing was then used to impose new stringent temperature limits in Eagle's permit on a year-round basis without considering whether the discharge will "measurably contribute to an excursion above" the standard, as required by Regulation 61.8(2)(b)(1). The proposed limits would require the Town of Eagle to invest in costly cooling towers that would significantly increase water costs to their residents, at a time when other regulatory and infrastructure drivers are creating profound affordability issues. In addition, these cooling towers will increase greenhouse gases with no measurable benefit to instream temperatures.

Simply put, temperature standards do not always reflect reality. However, the consequences to Eagle River communities are very real.

Protecting water quality in mountain communities is of utmost importance. It's why many of us live here and it drives our local economies. This is why the Eagle River Parties have been actively implementing programs, projects, and solutions that *will* help instream temperatures – planting trees, restoring riparian areas, increasing stream setbacks, managing local water resources, reducing water waste, and providing ongoing education and outreach to our community.

These types of local efforts holistically improve our water quality, water supply, and our entire mountain ecosystem through investment in projects that can make a difference. To continue on the path of meaningful progress, the Eagle River Parties are seeking solutions to some of the long-standing temperature standards and implementation problems and welcome the opportunity to work collaboratively with CDPHE and other partners toward progress on achieving shared goals.

I submit this letter on behalf of the Boards of Directors of the Eagle River Water & Sanitation District and the Upper Eagle Regional Water Authority, as well as Jeff Shroll, Eagle County Manager, and the following town managers: Eric Heil (Avon), Larry Pardee (Eagle), Jeremy Rietmann (Gypsum), Michelle Metteer (Minturn), and Russell Forrest (Vail).

Sincerely,

Siri Roman, General Manager
Eagle River Water & Sanitation District

Enclosure: Eagle River Parties Reg 31 Issues Scoping Hearing Comments

CC: Jill Ryan, CDPHE Executive Director
Nicole Rowan, CDPHE Water Quality Control Division Director
Steve Bushong, Bushong & Holleman PC



October 18, 2024

Eagle River Parties Regulation 31 Issues Scoping Hearing Comments

Enclosure to letter submitted on behalf of the Boards of Directors of the Eagle River Water & Sanitation District and the Upper Eagle Regional Water Authority, as well as Eagle County, and the towns of Avon, Eagle, Gypsum, Minturn, and Vail.

1. Introduction and Purpose

For more than a decade, dischargers across Colorado have been concerned with stream temperature standards attainability and methods for implementation that include a clear and transparent definition of and approach for applying existing quality (EQ) for discharge permitting and stream compliance assessment. Extensive stakeholder workgroup efforts to date have resulted in incremental progress but have not fully resolved the long-recognized conflict between the standards framework and natural gradients observed in water temperature nor the impact this conflict has on permit implementation and compliance. The Eagle River Water & Sanitation District (ERWSD), Upper Eagle Regional Water Authority (UERWA), Eagle County, and the towns of Avon, Eagle, Gypsum, Minturn, and Vail (collectively, the “Eagle River Parties”) provide information below that summarizes conceptual revisions that, once fully developed, may be proposed for the Water Quality Control Commission’s (Commission) consideration at the June 2026 Regulation 31 Rulemaking Hearing (RMH). The Eagle River Parties look forward to conducting outreach and working with interested stakeholders during the next year as it finalizes its proposed revisions for the Commission’s consideration at the 2025 Regulation 31 Issues Formulation Hearing.

2. Issues with Stream Temperature Standards Attainment

2.1 The transition zone problem

A universal factor that complicates temperature standards is that streams tend to warm as they flow from higher to lower elevations, which creates a natural transition zone between temperature classifications which can vary year-to-year. Under the currently applicable temperature standards in Regulation 31 *there are no standards that recognize transition zones*. The Commission specifically recognized that the “transition between cold and warm is not abrupt” and also recognized “the fact that there may be a significant number of segments where numeric temperature criteria are being consistently exceeded, at least on a seasonal basis, in the absence of impacts from point source discharges or controllable nonpoint sources, yet the aquatic life use continues to be attained.” 5-CCR 1002-31, pp. 182. *Figure 1* helps illustrate the transition zone problem for cold stream (CS) tiers. The figure shows chronic and daily maximum temperature standards for CS-I and CS-II species but no temperature standards for the transition zone *between* CS-I and CS-II. Because both CS-I and CS-II fish species are expected

to occur in the transition zones between these tiers, it has traditionally been the Water Quality Control Division's (Division) position that only the CS-I standards are adequately protective in the transition zone from the biological perspective, without regard for the issue of attainability.

For example, development of the Eagle River chronic site-specific standards required full protection of all CS-I species "expected to occur", even though no evidence existed that such CS-I species permanently reside in the transition zone or use the transition zone for spawning or incubation. The process of developing and implementing these site-specific standards was extremely difficult, time consuming, and burdensome. The biggest challenge was finding standards that were considered protective of spawning and incubation for both CS-I and CS-II species while setting a standard that would actually be attainable given natural variability. As more temperature data are collected, ERWSD has found that temperature variability during summer and shoulder seasons is greater than the standards reflect. So, while the resulting compromise is an improvement over Table Value Standards, there are years that the standards may not be attainable.

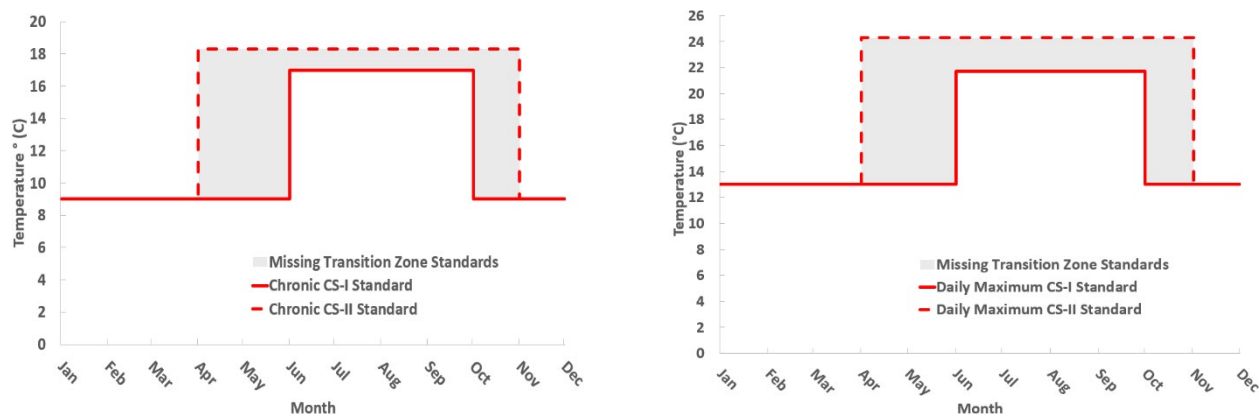


Figure 1. Missing transition zone standards are represented by gray shaded areas in the chronic (left) and acute (right) standards comparing CS-I and CS-II temperature tiers.

2.2 The shoulder season problem

Shoulder season non-attainment problems are directly related to and part of the transition zone problem. Regulation 31 temperature standards change abruptly between "summer" and "winter" seasons based on species expected to occur. These abrupt changes resemble a "top hat" shape that conflicts with natural temperature gradients that increase and decrease gradually, not by several degrees in a single day. The unnatural shape and rigid expectations that temperature standards impose on stream temperature profiles also fail to recognize the natural spatial and temporal gradients within stream segments that affect the timing of stream warming and cooling. Nor do the standards allow for the range of normal year-to-year variability in warming and cooling. For dischargers, this regulatory construct forms the basis of most compliance problems. *Figure 2* illustrates how imposing unrealistic standards on variable natural temperature profiles results in an artificial squeeze of a waterbody's assimilative capacity during the summer-to-winter shoulder season transition. Though not as pronounced, the squeeze also occurs in the winter-to-summer shoulder season transition. As the waterbody flows from higher

to lower elevations and from cooler to warmer temperatures, this issue worsens and can extend into the summer season. The artificially created deficit in assimilative capacity is a primary cause of discharge permit compliance problems.

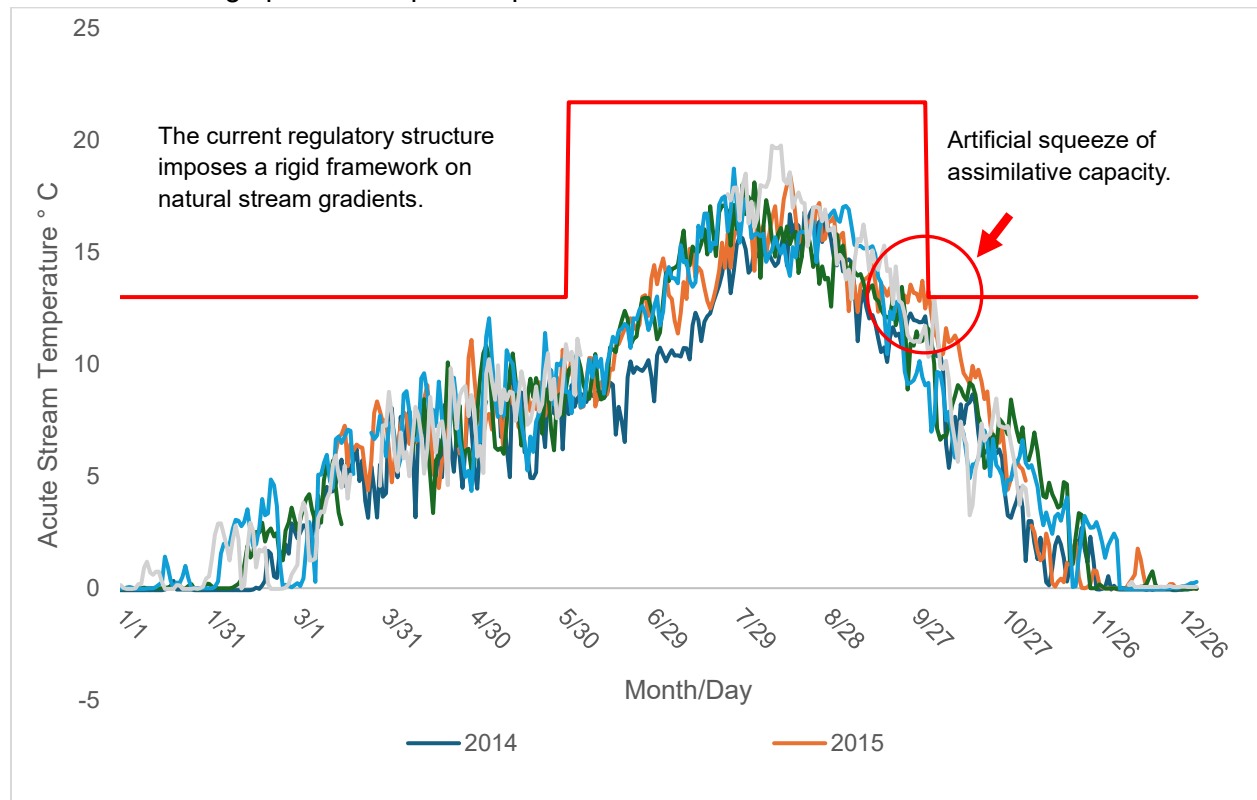


Figure 2. Imposing an unnatural standards framework on the natural temperature gradient at this location creates an artificial deficit of assimilative capacity during shoulder seasons leading to discharge permit compliance challenges.

3. The Need for Flexibility in Transition Zones

According to Regulation 31, there is a need for regulatory flexibility in transition zones because “[t]he physiologically-based summer temperature standards are not attainable in every year and in every segment where they have been adopted. This problem arises out of an unavoidable conflict between the historical distributions of fish species and the expectation that protective conditions for all life history stages can be sustained in every year throughout a segment. In addition, the environment varies naturally, and fish move in response to environmental stimuli.” 5 CCR 1002-31, p. 226. Therefore, to mitigate the attainability problem and provide much needed regulatory flexibility, allowable exceedances caused by physical conditions that could not be controlled and later modified to prevent biological harm, were incorporated into the standards.

3.1 Allowable excursions to the temperature standards

The Commission has always recognized that stream water temperatures are directly impacted by physical variables that cannot be controlled, such as air temperature, low flows, and changing seasons. To address these variables, allowable “excursions” – that is, exceptions to

the numeric criteria that were not considered exceedances of the standard – were added to the temperature standards in 2005. Specifically, a footnote was included in the Table Value Standards stating it “shall not be considered an exceedance of the criteria” when elevated water temperatures are the result of certain air temperature and low flow excursion criteria. 5 CCR 1002-31, pp. 181-182. In 2009, the Commission added another excursion variable to the footnote to exclude shoulder season temperature exceedances so long as the natural seasonal progression of temperature was maintained. 5 CCR 1002-31, p. 205. The Division interprets the shoulder season excursion as follows:

“Winter criteria were a significant and important step towards protecting the seasonal pattern. The default seasons were not intended to enforce a rigid transition, but to recognize that a transition needed to occur. Before 2005, there were no winter standards. An unforeseen consequence of selecting the top hat approach was that the rigid transition does not accommodate the natural gradients or year-to-year variability.”¹

In 2016, after applying years of fragmentary solutions (e.g., excursions and site-specific standards) that inadequately resolved the temperature standards and implementation problems, the Division proposed a multipronged holistic “package” proposal intended to address the physical environmental constraints that dictate what temperatures are reached in the summer, when they cool in the fall, and when they warm in the spring. The package included substituting the numeric shoulder season standards with narrative standards that maintain the natural seasonal progression of temperature, an elevation adjustment for chronic summer standards, a new approach to establish EQ that is the same for assessment and permitting, removal of the physical excursions, and two different plans for permit implementation: one for core summer and winter months (i.e., the “recurrence interval” or “RI Method”) and one for shoulder season months (narrative standards approach). Although the Commission supported the Division’s concerns and recognized that “summer temperature standards are not attainable in every year in every segment where they have been adopted” 5 CCR1002-31, p. 226 and that “[w]ater temperature in unimpacted streams is primarily governed by physical factors...”, it ultimately rejected the state-wide proposal in favor of a site-specific, basin-by-basin approach. *Id.* at 226.

3.2 Allowable warming over the temperature standards

More recently, the Commission replaced “excursions” with the “warming event” approach. Per the direction of the Commission, the warming event method was developed and defined in the 303(d) Listing Methodology² (“LM”). The result was to “specif[y] an allowable cumulative impact during a warming event with a recurrence frequency of once in three years on average.” Appendix C to the LM. The “allowable degree-days for defining a temperature warming event” in

¹ Prehearing Statement of the Water Quality Control Division, Revisions to the Basic Standards and Methodologies for Surface Water (Regulation 31) and the Colorado Discharge Permit System Regulations (Regulation 61), p.11. “WQCD.pdf” <https://drive.google.com/drive/folders/0B4B0XEVym7wTUVphMG1wWms3X3M?resourcekey=0-lpP1IKqiW3OsGGI-aGpDYA>

² Colorado Department of Public Health and Environment. 2024. Section 303(d) Listing Methodology 2026 Listing Cycle. Water Quality Control Division, Denver Colorado. <https://drive.google.com/file/d/1jlgq37fgFV5MpUC3HPA5misOmvhKeMrZ/view>

cold-water streams was set at 2.4°C degree-days for the acute standard and 13.5°C degree-days for chronic standard. LM, p.30, Table 7. These “[d]egree-days were derived using a biological basis and represent cumulative temperatures where growth or lethal impacts to fisheries are expected to occur.” *Id.* In other words, while excursions focused on the physical factors that cause temperatures to be naturally higher than the standard, the warming event methodology imposed a biological limit on such temperature excursions. Yet, both approaches provide an allowance for temperatures to sometimes be above the standard without being an exceedance. Accordingly, the LM states the following:

“A “warming event” is defined as the maximum allowable extent of exceedances above the standard, defined in terms of degree-days. This concept integrates both the magnitude of temperatures above the standards as well as the duration (in days). The stream is allowed to exceed standards for a specific number of degree-days. However, if temperatures . . . exceed the number of ‘degree-days’ specified in Table 7, the entire segment, or the portion of the segment indicating nonattainment, will be placed on the 303(d) List as impaired for temperature.” (LM, p.30)

In its 2021 Regulation 31 Prehearing Statement³, the Division provided the following additional detail regarding how the “...warming event allowances will work:

...For a stream with a temperature dataset with a four-year period of record, the standard is allowed to be exceeded for one day if the chronic standard was exceeded by 13.5 degrees, two days if the standard was exceeded by a total of 6.75 degrees, three days if the standard was exceeded by a total of 4.5 degrees, and so on. If the extent of warming was less than or equal to 13.5 degree-days above the standard, the stream is not proposed for listing. If warming continued beyond 13.5 degree-days, a listing would be proposed. This cumulative allowance integrates both magnitude and duration and speaks to the commission’s request in the Statement of Basis and Purpose at Regulation 31.53 that the division ‘look at the impacts of duration, multiplicity and cumulative effects’.” (pp. 14-15)

The Commission adopted the Division’s proposed modifications to Footnote 5(c) in the Regulation 31 Table Value Standards to incorporate the same approach, as follows:

“The following shall not be considered an exceedance of the criteria: . . . A ‘warming event’ is the maximum allowable extent of exceedances above the standard, in units of degree-days (C-days). This concept integrates both the magnitude of temperature (C) above the standard as well as the duration (in days) and represents the cumulative temperatures above which growth or lethal impacts to fisheries are expected. For all Cold Stream tiers the allowable degree days are 2.4 (acute) and 13.5 (chronic)”.

³ Prehearing Statement of the Water Quality Control Division. Revisions to the Basic Standards and Methodologies for Surface Water (Regulation No. 31). “_WQCD Reg 31 PHS.pdf”
<https://drive.google.com/drive/folders/1sWo9g2oq55AfgcwBVstFf45aNqIOW2zY>

In summary, the biological approach used to establish the warming event methodology recognizes that aquatic life is resilient to certain minor increases in temperature that do not exceed the magnitude and duration of the “allowable degree-days.” Although ERWSD long supported the excursions as being consistent with the data collected in its temperature monitoring program and Use Attainability Analysis, it supported replacing excursions with the warming event approach as a more biologically protective way to recognize the natural variability in stream temperatures. However, despite its long-understood intended purpose and application, the warming event was interpreted in the 2023 Regulation 93 Rulemaking Hearing *to not allow warming of any magnitude* – even 0.1° C – more than once in 4 to 6 years, which also contradicts the 1-in-3-year allowable exceedance frequency for temperature at 31.5(20).

4. Issues with Stream Temperature Standards Implementation

The discussion above provides an abbreviated historical context for the warming event methodology which, similar to the preceding excursion criteria, provided a practical way to address some of the uncertainty inherent in stream temperature standards. However, while incremental progress was being made with development of the biologically-based “warming event” to replace the physically-based “excursions”, the recent interpretation of the warming event greatly reduces its applicability to natural warming conditions. Further, clear and consistent implementation in the assessment and permitting frameworks has yet to be resolved.

The recent 303(d) listing of Eagle River Segment 9c and the Division’s subsequent effort to assign the strictest possible temperature effluent limits in the Town of Eagle Wastewater Treatment Plant’s (WWTP) discharge permit even though the discharge has minimal or no impact on Eagle River temperatures (and contrary to the dilution exception in the Division’s Implementation of Temperature Standards in Discharge Permits policy (WQP-23))⁴, signals the need for more work on temperature standards so they are both protective and achievable. To that point, the Eagle River Parties may propose revisions to Regulation 31 to address areas of concern summarized below.

5. Reestablishing Flexibility in Temperature Standards

The Eagle River Parties are interested in developing a proposal to update warming events and reestablish the needed flexibility in Regulation 31 temperature standards according to the Commission's stated policy position. Additional revisions that are not yet identified in the summary below may be proposed to ensure compatibility across the standards, assessment, and permitting frameworks. Any proposal advanced by the Eagle River Parties for consideration by the Commission at the Regulation 31 Issues Formulation Hearing will follow guidance in the Commission’s “ripeness” document for external proposals.⁵

⁴Colorado Department of Public Health and Environment. Clean Water Permits. 2023. Procedures for Conducting Assessments for Implementation of Temperature Standards in Discharge Permits. Policy No: WQP-23. Water Quality Control Division, Denver Colorado. https://drive.google.com/file/d/1EiSgk1paR95QJfQLKx_Sdr-lo9-iuzm9/view

⁵Colorado Department of Public Health and Environment. Considerations for Advancing External Proposals For Revised Water Quality Classifications and Standards Before the Water Quality Control Commission. Encouraging “Ripeness” of Proposals. Water Quality Control Commission, Denver Colorado. https://drive.google.com/file/d/1Dt1N_3HosN7IAbeQISTkVeOiH_gdd_Xy/view

5.1 Cold water warming event thresholds

The “warming event” criteria are based on the water quality standards for temperature as proposed in the 2016 updates. The comments below are specific to the Cold Water standards for CS-I and CS-II classifications. The Chronic and Acute water temperature standards are based on species-specific laboratory studies and follow the calculations specified in Temperature Criteria Policy Statement 06-1(CDPHE 2011).⁶

5.1.1 Chronic warming event

Warming events for Cold Water Chronic and Acute conditions were derived from the aggregated data for CS-I and CS-II species (Table 1). Data for the table come from the sources cited in the table for growth rates and the chronic standards as listed in Table 13 of Appendix C to the LM.

Table 1. Cold Water Chronic Warming Event Derivation Table from Appendix C to the LM

Cold Water Chronic Warming Event Derivation Table						
Species	Chronic T std	Growth rate @ chronic T std	20% reduction in growth rate	T @ 20% growth reduction	Exceedence of chronic temperature standard resulting in 20% reduction in growth rate	Reference
Mountain Whitefish	18.3	0.0652	0.0522	20.11	1.81	Brinkman et al. 2013
Rio Grande Cutthroat Trout	17.0	37.9	30.3	18.92	1.92	Ziegler et al. 2013
Westslope Cutthroat Trout	17.0	1.9	1.5	18.36	1.36	Bear et al. 2007
Rainbow Trout	18.3	1.7	1.4	19.92	1.62	Bear et al. 2007
Rainbow Trout	18.3	4.8	3.8	23.21	4.91	Hokanson et al. 1977
RBT AVERAGE					3.26	
Brook Trout	17.0	0.042	0.034	18.76	1.76	McMahon et al. 2007
Brook Trout	17.0	4.301	3.440	19.13	2.13	McCormick et al. 1972
BRK AVERAGE					1.94	
Brown Trout	18.3	4.3	3.405	20.44	2.14	Ojanguren et al 2001-test temperature data provided
Median Deviation (using RBT and BRK average)					1.93	
Chronic Degree Day allowance (Median Deviation x 7days)					13.5	

Table 13. Cold Water Chronic Warming Event Derivation. Numbers represent degrees Celsius.

Table 1 shows a chronic degree-day allowance of 13.5°C for the aggregated data. It is noted that the chronic temperature standard for Mountain Whitefish is listed as 18.3°C, which is the previous standard and not 16.87°C from the Regulation 31 2016 update. Further, species with multiple sources are averaged except for Cutthroat Trout. No reasoning is provided by the Division as to why Cutthroat Trout was treated differently than Rainbow Trout or Brook Trout. It may be a simple error that should be updated. The use of the average Cutthroat Trout value would result in a slightly higher allowance for the aggregated warming event of 13.62 degree-days (°C) (Table 2). The warming event allowance changes further to 14.98 degree-days (°C) (Table 3) if the value for Mountain Whitefish is updated and Cutthroat Trout data are averaged. This last calculation seems to better follow the protocol as specified in Appendix C to the LM.

⁶Colorado Department of Public Health and Environment. 2011. Temperature Criteria Methodology Policy Statement 06-1. Water Quality Control Commission, Denver Colorado. <https://drive.google.com/file/d/1-CGS6X3Knv-nNfobaZ44I4PlDvYffS5d/view>

Neither the LM nor any other supporting documents that were reviewed state why the data for CS-I and CS-II species were aggregated for the warming event. It seems more reasonable and protective if separate calculations are used for each tier. It also seems inconsistent to aggregate the data when the chronic and acute standards are separate for each tier. Separate warming event criteria for each tier would be consistent with the water temperature standards and protective of the species.

Table 2. Recalculated Cold Water Chronic Warming Event Derivation with Cutthroat Average

Species	Chronic T std	Growth Rate @chronic T std	20% reduction in growth rate	T @ 20% growth reduction	Excedence of chronic temperature standard resulting in 20% reduction in growth rate	Reference
Moutain Whitefish	18.3	0.0652	0.0522	20.11	1.81	Brinkman et al. 2013
Rio Grande Cutthroat Trout	17.0	37.9	30.3	18.92	1.92	Zeigler et al. 2013
Westslope Cutthroat Trout	17.0	1.9	1.5	18.36	1.36	Bear 2005
Cut Average					1.64	
Rainbow Trout	18.3	1.7	1.4	19.92	1.62	Bear 2005
Rainbow Trout	18.3	4.8	3.8	23.21	4.91	Hokanson et al 1977
RBT Average					3.27	
Brook Trout	17.0	0.042	0.034	18.76	1.76	McMahon et al. 2007
Brook Trout	17.0	4.301	3.44	19.13	2.13	McCormick et al. 1972
BRK average					1.95	
Brown Trout	18.3	4.3	3.405	20.44	2.14	Ojanguren et al. 2001
Median Deviation Using CUT, RBT and BRK average					1.95	
Chronic Degree Days allowance (Median Deviation x 7 days)					13.62	

Table 3. Corrected Cold Water Chronic Warming Event Derivation Table Using 2016 Updates for Mountain Whitefish and Cutthroat Trout Average

Species	Chronic T std	Growth Rate @chronic T std	20% reduction in growth rate	T @ 20% growth reduction	Excedence of chronic temperature standard resulting in 20% reduction in growth rate	Reference
Moutain Whitefish	16.9	0.072	0.058	19.4	2.53	Brinkman et al. 2013
Rio Grande Cutthroat Trout	17.0	37.9	30.3	18.92	1.92	Zeigler et al. 2013
Westslope Cutthroat Trout	17.0	1.9	1.5	18.36	1.36	Bear 2005
Cut Average					1.64	
Rainbow Trout	18.3	1.7	1.4	19.92	1.62	Bear 2005
Rainbow Trout	18.3	4.8	3.8	23.21	4.91	Hokanson et al 1977
RBT Average					3.27	
Brook Trout	17.0	0.042	0.034	18.76	1.76	McMahon et al. 2007
Brook Trout	17.0	4.301	3.44	19.13	2.13	McCormick et al. 1972
BRK average					1.95	
Brown Trout	18.3	4.3	3.405	20.44	2.14	Ojanguren et al. 2001
Median Deviation Using CUT, RBT and BRK average					2.14	
Chronic Degree Days allowance (Median Deviation x 7 days)					14.98	

Calculation of separate chronic warming event allowances for CS-I and CS-II are shown in Tables 4 and 5. The results show degree-day allowances for CS-I and CS-II of 13.62 °C and 18.92°C, respectively. The recalculated CS-I allowance is nearly the same as the existing aggregated value. The CS-II allowance increases since the species are tolerant of higher water temperatures than CS-I species.

Table 4. Derivation Table for CS-I Tier Chronic Warming Event Using 2016 Updates

Species	Chronic T std	Growth Rate @chronic T std	20% reduction in growth rate	T @ 20% growth reduction	Excedence of chronic temperature standard resulting in 20% reduction in growth rate	Reference
Moutain Whitefish	16.9	0.072	0.058	19.4	2.53	Brinkman et al. 2013
Rio Grande Cutthroat Trout	17.0	37.9	30.3	18.92	1.92	Zeigler et al. 2013
Westslope Cutthroat Trout	17.0	1.9	1.5	18.36	1.36	Bear 2005
Cut Average					1.64	
Brook Trout	17.0	0.042	0.034	18.76	1.76	McMahon et al. 2007
Brook Trout	17.0	4.301	3.44	19.13	2.13	McCormick et al. 1972
BRK average					1.95	
Median Deviation Using CUT, RBT and BRK average					1.95	
Chronic Degree Days allowance (Median Deviation x 7 days)					13.62	

Table 5. Derivation Table for CS-II Tier Chronic Warming Event Using 2016 Updates

Species	Chronic T std	Growth Rate @chronic T std	20% reduction in growth rate	T @ 20% growth reduction	Excedence of chronic temperature standard resulting in 20% reduction in growth rate	Reference
Rainbow Trout	18.3	1.7	1.4	19.92	1.62	Bear 2005
Rainbow Trout	18.3	4.8	3.8	23.21	4.91	Hokanson et al 1977
RBT Average					3.27	
Brown Trout	18.3	4.3	3.405	20.44	2.14	Ojanguren et al. 2001
Median Deviation Using CUT, RBT and BRK average					2.70	
Chronic Degree Days allowance (Median Deviation x 7 days)					18.92	

5.1.2 Acute Warming Event

The Cold Water acute warming event derivation presented in Appendix C to the LM also aggregates CS-I and CS-II species (Table 6). The table also lists the older value for Mountain Whitefish Median UILT. The acute warming event allowance with the aggregation and older UILT is 2.4°C (Table 6). When the Mountain Whitefish median UILT is updated the acute warming event allowance is 2.6°C (Table 7). As with the chronic warming event allowance no rationale is provided by the Division for aggregating the species data. The data should be separated into CS-I and CS-II species calculations to be consistent with the acute standards for each tier and to be protective.

The separation of the species by tier results in slightly different acute allowances. The acute warming event allowance for CS-I is 2.4°C (Table 8). The acute warming event allowance for CS-II is 2.79 °C (Table 9).

Table 6. Cold Water Acute Warming Derivation Table from Appendix C to the LM

Species	Acute Standard	Median UILTs	Deviation from STD
COLD TIER FISH			
cutthroat trout	21.70	24.10	2.40
brook trout	21.70	23.10	1.40
rainbow trout	24.30	25.65	1.35
brown trout	24.30	27.28	2.98
mountain whitefish	21.70	23.10	1.40
longnose sucker	24.30	26.90	2.60
mottled sculpin	24.30	29.85	5.55
CTM-->UILT Conversion		MEDIAN COLD	2.40

Table 15 Cold Water Acute Warming Derivation Table.**Table 7. Cold Water Acute Warming Derivation Table with updated Mountain Whitefish Median UILT**

Species	Acute Standard	Median UILTs	Deviation from STD
Cutthroat Trout	21.7	24.10	2.40
Brook Trout	21.7	23.10	1.40
Rainbow Trout	24.3	25.65	1.35
Brown Trout	24.3	27.28	2.98
Mountain Whitefish	21.7	25.65	3.95
Longnose Sucker	24.3	26.90	2.60
Mottled Sculpin	24.3	29.85	5.55
CTM-->UILT Conversion		Median	2.60

Table 8. CS-I Tier Water Acute Warming Derivation Table with Updated Mountain Whitefish UILT

Species	Acute Standard	Median UILTs	Deviation from STD
Cutthroat Trout	21.7	24.10	2.40
Brook Trout	21.7	23.10	1.40
Mountain Whitefish	21.7	25.65	3.95
CTM-->UILT Conversion		Median	2.40

Table 9. CS-II Tier Water Acute Warming Derivation Table

Species	Acute Standard	Median UILTs	Deviation from STD
Rainbow Trout	24.3	25.65	1.35
Brown Trout	24.3	27.28	2.98
Longnose Sucker	24.3	26.90	2.60
Mottled Sculpin	24.3	29.85	5.55
CTM-->UILT Conversion		Median	2.79

Based on the preliminary evaluation presented above, the Eagle River Parties may request revisions to the Cold Water warming event thresholds to address inconsistencies, reflect current standards, and align better with natural conditions.

5.2 Definition of existing quality

Piecemeal revisions to the definition of temperature EQ since 2016 have obscured the original intent of the “warming event” and its application. The Eagle River Parties are considering revisions to restore the warming event back to its original purpose by realigning it with the definition of temperature EQ and acknowledging the Commission’s stated need for regulatory flexibility in temperature standards.

5.2.1 One-in-three-year allowable exceedance frequency

Regulation 31 defines temperature EQ at 31.5(20):

“Temperature: To determine standards attainment, existing quality is the seasonal maximum DM (acute) and WAT (chronic) which allows one warming event with a 3-year average exceedance frequency. For data records with less than or equal to 3 years, existing quality is equal to the maximum WAT and DM. For data records with 4-6 years, one warming event above the standard is permitted. The warming event allowance is described in Footnote 5(c)(ii) to Table I.

For the purposes of permits implementation, for data records with less than or equal to 3 years of representative upstream data, existing quality is equal to the seasonal or monthly maximum DM (acute) and WAT (chronic). For data records with 4-6 years, for monthly limits, the second highest monthly DM or WAT may be selected for one month in either winter or summer and the remaining months shall be the max DM or WAT.”

To determine whether a stream segment is in attainment with temperature standards in addition to the “warming event” allowance is the recurrence of the exceedance. The Regulation 31 definition of temperature EQ includes a 1-in-3-year on average occurrence to determine attainment or non-attainment. However, this definition is applied as a “recurrence interval” that allows only one excursion over the standard in 4 to 6 years. The current interpretation also allows no excursions if a warming event is greater than the assigned degree-day thresholds (LM, p.30). In other words, a stream exceeding a warming event threshold only one time in 4 to 6 years will be placed on 303 (d) list, which contradicts the definition of temperature EQ. The

Eagle River Parties find that the “recurrence interval” approach for determining allowable exceedances of the standard lacks scientific basis and is out of alignment with the intended 1-in-3 year on average allowable exceedance frequency in Regulation 31.

The 1-in-3-year occurrence is based on the life span, and time to reach maturity for longer lived species such as trout. The 1-in-3-year value has a basis in the literature and is supported by a recent EPA workshop⁷ (US EPA 2023). The recent data and workshop findings do not specify the use of the “average” but a simple 3-year time to recovery. The workshop also proposed the use of ranks for severity of events. The ranks ranged from Level 1 - a disturbance that completely destroys aquatic communities along an entire stream length, to Level 4 - a disturbance that results in reduction of species abundance and/or diversity or loss of benthos compared to predisturbance levels in patches within a stream section, but where proximal patches are virtually unaffected (USEPA 2023).

Levels 3 and 4 may be appropriate descriptions of what occurs during an excursion that is within the allowable degree-days of the “warming event”, if there is any impact at all. There may be some minor affect to the aquatic community but not nearly as severe as a catastrophic event. USEPA (2023) states that the median recovery time for Level 3 and 4 disturbances was 1 year. This value is well within the 1-in-3-year range. The use of an average for the 1-in-3-year value rather than a simple running count of years between exceedance of the allowance seems to overstate the severity of an exceedance. Further, the water temperature standards that provide the basis for “warming event” calculations are all based on static water temperature testing. Natural systems have daily variation in water temperature so a short-term exceedance with recovery of temperature as temperature naturally fluctuates has a different impact than a static temperature. Zeigler et al. (2013)⁸ report Cutthroat Trout tolerating brief exposures to temperatures that are lethal under static tests when fish had the opportunity to recover as temperatures dropped.

A severity rank of 3 or 4 that describes an excursion within the warming event degree-day thresholds defined in Regulation 31 also supports the original interpretation that so long as the allowable degree-days are not exceeded, the event is not a regulatory exceedance of the standard. In other words, warming below the thresholds would either have no impact or the impact would be very minor and could be quickly overcome as the temperature fluctuates and improves.

The Eagle River Parties may propose revisions to address inconsistencies in the current application of the warming event and 1-in-3-year exceedance frequency to reflect appropriate recovery times and maintain necessary flexibility in the regulation. If implementation of the

⁷ U.S. EPA. 2023. Proceedings from the EPA Frequency and Duration Experts Workshop, September 11-12, 2019. U.S. Environmental Protection Agency Office of Water, Office of Science and Technology, Health and Ecological Criteria Division, Washington, D.C. <https://www.epa.gov/system/files/documents/2023-02/proceedings-frequency-duration-workshop.pdf>

⁸ Zeigler, M.P., S.F. Brinkman, C.A. Caldwell, A.S. Todd, M.S. Recsetar, and S. A. Bonar. 2013. Upper thermal tolerances of Rio Grande cutthroat trout under constant and fluctuating temperatures. Transactions of the American Fisheries Society 142:1395-1405.

warming event fails to provide the latitude originally intended, then the original physical excursions should be revisited to recognize natural warming that occurs along elevational gradients, and during droughts and extreme warm air temperatures.

5.2.2 Inconsistent methods for establishing temperature EQ in assessment & permitting

The temperature EQ definition revised and adopted by the Commission in 2021 assigns different methods to establish EQ for standards assessment and permitting, which conflicts with standard practice for all other parameters in Regulation 31 that are based on a single method to maintain uniformity and consistency. Effluent limits are developed to ensure that water quality standards are not exceeded. The “warming event” method defines what is/is not an exceedance of the temperature standards. Given that the “warming event” is defined in the temperature standard, developing water quality-based effluent limits for temperature should consider allowable warming excursions as was originally intended (or under any new approach employed) for consistent implementation as is done in practice for all other parameters. In light of these inconsistencies, the Eagle River Parties have several questions and concerns regarding the permitting definition for temperature EQ.

One question is whether the “RI Method” (as it has been referred to) originally intended to replace physical excursions is appropriate for representing the biologically-based “warming event”. The current definition of EQ for permitting in Regulation 31 was originally introduced in the Division’s 2016 “package” proposal for revisions to temperature standards and intended to replace EQ for physical excursions that were administratively difficult to implement due to large data and processing needs. To support its use of the “RI Method”, the Division emphasized the importance of having a single EQ that is consistent for both assessment and permitting (which as previously mentioned does not exist today) and asserted that application of the “RI Method” would not exacerbate attainment problems because the EQ values calculated using that method were equivalent to values calculated using the “excursion” method. Contrary to the Division’s conclusion, ERWSD’s analysis showed that the “RI Method” *would* further exacerbate existing attainment problems by causing 303(d) listings of streams for natural exceedances that are allowable under excursions. The attainment problem with the “RI Method” typically occurs during the October shoulder seasons but also where the stream transitions from CS-I to CS-II tiers, which are the times that typically matter most for compliance. Therefore, ERWSD supported the Division’s proposal in its entirety but did not support the EQ portion of the package as a standalone proposal because adoption of the shoulder season and transition zone proposals that were part of the package, and the Division’s 2-pronged implementation plan for assigning limits in permits helped mitigate the negative impacts of the EQ proposal. It is problematic that the EQ method considered a threat for attainment in 2016 was adopted in 2021 as the EQ for permitting.

Additionally, in the Division’s 2016 package proposal, the “RI Method” for permitting EQ was *only* to be applied to core summer and winter months and *only* in concert with the proposed shoulder season and transition zone standards. For shoulder seasons, a different permitting method was proposed that reasonably addressed 1) the mismatch between standards and natural gradients that causes an artificially created assimilative capacity deficit during shoulder

seasons that is at the root of many compliance issues, 2) the high natural variability of temperatures that often occur during seasonal transitions, and 3) effluent limits that would be protective based on the understanding that spawning is driven by timing of seasonal warming and cooling, not on fixed months as reflected in top hat standards. Given that the “RI Method” for establishing a numeric EQ value for permitting was never intended for application on its own or much less to all months, the Eagle River Parties question the legitimacy of applying it to all months now when it only exacerbates the problems that stakeholders have been working for well over 10 years to resolve.

ERWSD brought this issue to the Commission’s attention in the 2021 Regulation 31 RMH and based on the concern, the Commission set an expectation for the Division “to continue to engage with stakeholders regarding permits implementation of temperature and explore whether the warming event assessment method may be considered in the permitting context through workgroups and other appropriate means.” 5 CCR 1002-31, p. 264. In the 2022 Water Quality Forum Temperature Limits in Permits Workgroup, there was no meaningful engagement on this or other topics that stakeholders wanted to pursue in the context of updates to the Division’s permitting policy (WQP-23) such as water quality trading and procedural guidance for a 316 (a) Waiver.

The Eagle River Parties find that the EQ methods for assessment and permitting need to support defensible processes for determining temperature permit limitations for dischargers that are consistent with established practices and consistent with the standards. Therefore, the Eagle River Parties may propose revisions to address this issue.

5.3 “De minimis” impact

The term “de minimis” refers to a minimal or trivial impact that is considered too small to be of concern or require regulatory attention. The Division’s temperature limits implementation policy includes a “de minimis” provision expressed as an extreme dilution exemption. Specifically, where stream-to-discharge flow ratios are greater than 10:1 (i.e., 7E3 stream flow to discharge design flow), no temperature limits are required (WQP-23, pp. 3 and 6). WQP-23 ensures compliance with Regulation 61.8(2)(b)(i) because a discharge that meets the temperature limits exemption ratio does not “measurably contribute to an excursion.” However, the Division’s recent action to include temperature limits equal to the temperature standards in the Town of Eagle’s WWTP discharge permit despite a dilution ratio almost three times higher than that allowed by its policy indicates additional work is needed to clarify processes and achieve alignment with regulations. In this context, the Eagle River Parties may propose revisions to Regulation 31 to support clear, reasonable, and transparent revisions that address current contradictions.

The Eagle River Parties appreciate this opportunity to identify issues for the 2024 Regulation 31 Issues Scoping Hearing and look forward to developing a proposal with stakeholders that supports a clear and meaningful path forward.



**Fiscal Year 2024
Quarterly Financial Report
For the 3rd Quarter Ending September 30, 2024**

1. Quarterly Financial Report Cover Memo
2. Net Income & Budget Comparisons
3. Revenue Comparisons
4. Bond & Cash Balances
5. Housing Report



To: Board of Directors
From: Jim Cannava, Finance Manager
Date: October 17, 2024
Re: Quarterly Financial Reports – Q3 2024

The year-to-date financial report for the third quarter of 2024 shows combined operating revenues exceeding budget by 5.3%. This positive variance is primarily driven by higher-than-expected water sales in tier 5. Wastewater service revenues are greater than budget projections due to a higher number of Single-Family Equivalents (SFEs) than initially anticipated.

Combined operating expenses are tracking with budget, despite significant emergency distribution system repairs and software expenses. Vail Water capital expenditures are projected to exceed budget due to emergency repairs at well R7 and the timing of the North Frontage main project. Vail Water debt service and bond issue expenses are also projected to exceed budget due to the 2024 Vail Water Bond issue.

The \$15M Vail Water bond issue is scheduled for October 31st. The estimated 2025 rate impact will be \$8.49 per SFE per month.



Net Income & Budget Comparisons

WASTEWATER

Operating	Annual Budget	Q3 2024	Variance	Q3 2023
Revenue	\$25,402,996	\$20,754,093	\$4,648,902	\$18,968,199
Expense	\$24,448,118	\$18,133,093	\$6,315,025	\$16,461,596
Net Income	\$954,878	\$2,621,000	\$1,666,122	\$2,506,603

Non-Operating	Annual Budget	Q3 2024	Variance	Q3 2023
Revenue	\$11,122,165	\$6,875,962	\$4,246,203	\$6,875,962
Expense	\$12,120,572	\$5,872,314	\$6,248,258	\$7,102,923
Net Income	(\$998,407)	\$1,003,648	\$2,002,055	(\$226,960)

Net Income	(\$43,529)	\$3,624,648	\$3,668,178	\$2,279,642
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Unrestricted Fund Balance	Annual Budget	Q3 2024	YE 2023
Beginning Balance	\$31,880,001	\$31,880,001	\$20,139,802
Net Income/Restrictions Adj	(\$43,529)	\$3,624,648	\$11,740,199
Ending Balance	\$31,836,472	\$35,504,649	\$31,880,001

Water

Operating	Annual Budget	Q3 2024	Variance	Q3 2023
Revenue	\$7,635,002	\$6,380,112	\$1,254,890	\$5,915,224
Expense	\$7,067,813	\$5,229,248	\$1,838,565	\$4,751,067
Net Income	\$567,190	\$1,150,865	\$583,675	\$1,164,157

Non-Operating	Annual Budget	Q3 2024	Variance	Q3 2023
Revenue	\$3,235,940	\$3,101,920	\$134,021	\$3,074,187
Expense	\$3,003,105	\$1,427,219	\$1,575,886	\$1,034,894
Net Income	\$232,836	\$1,674,701	\$1,441,865	\$2,039,293

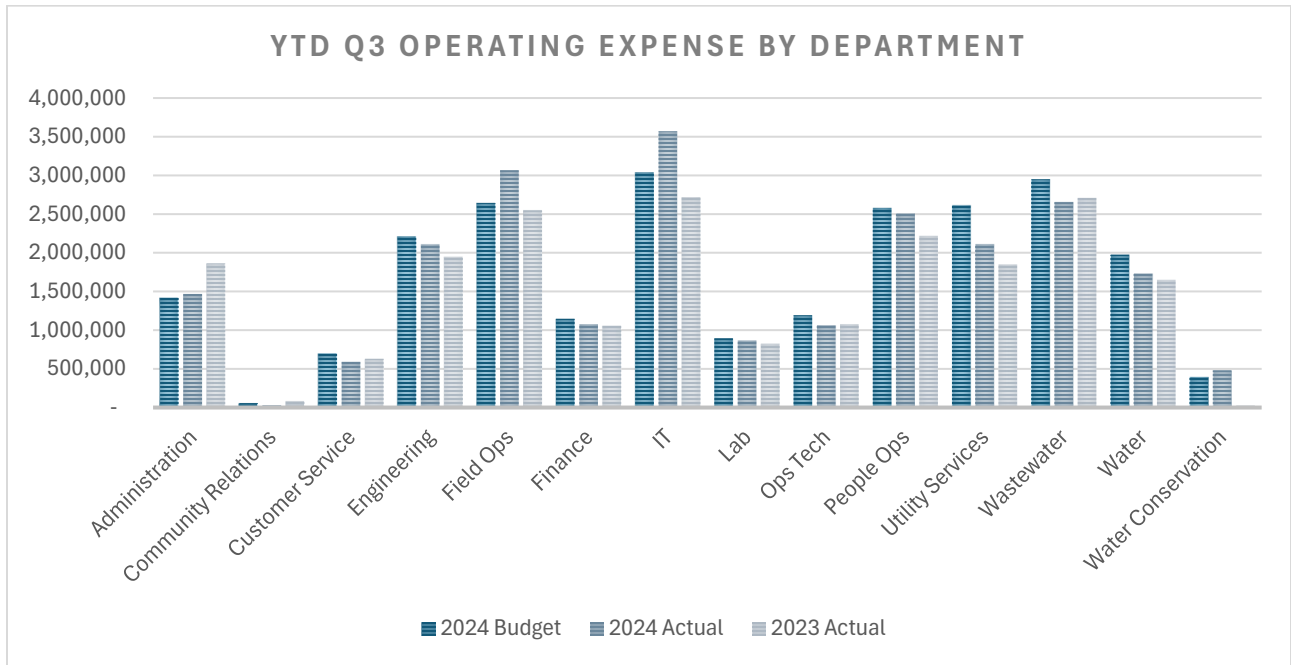
Net Income	\$800,025	\$2,825,565	\$2,025,540	\$3,203,450
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Unrestricted Fund Balance	Annual Budget	Q3 2024	YE 2023
Beginning Balance	\$6,454,988	\$6,454,988	\$3,999,201
Net Income/Restrictions Adj	\$800,025	2,825,565	2,455,787
Ending Balance	\$7,255,013	\$9,280,553	\$6,454,988



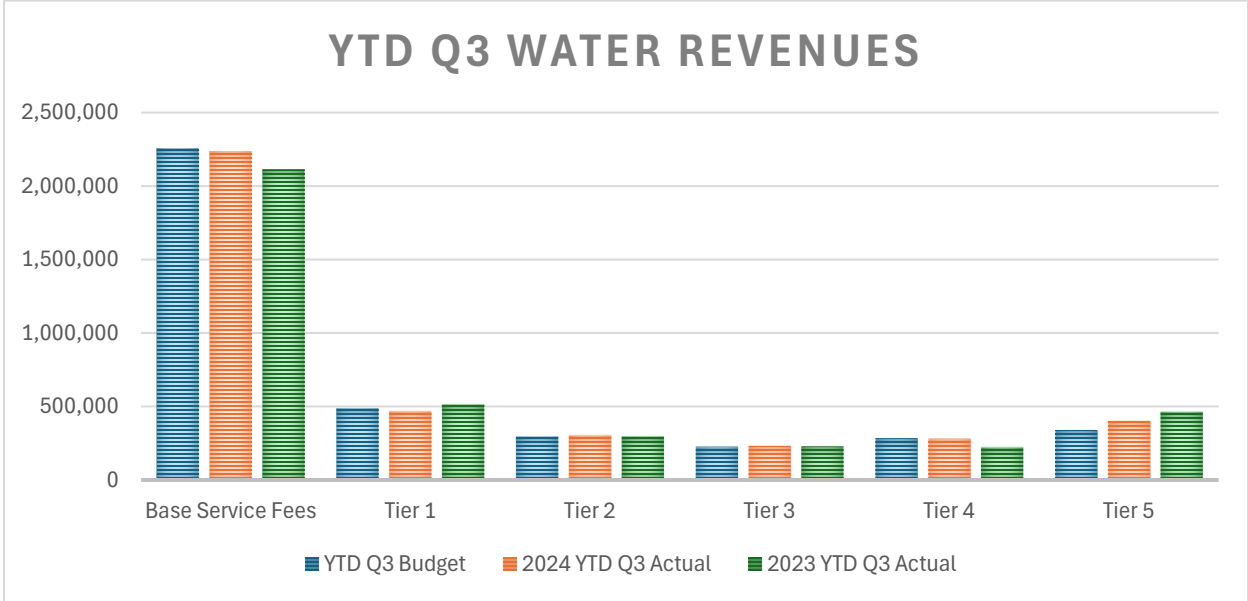
Combined YTD Expenses

Expense Type	2024 Revised Budget	2024 Actual	(Over) Under	% Remaining	2023 Actual	YOY Var
Operating	\$30,823,500	\$22,854,632	\$7,968,868	26%	\$20,837,289	10%
Housing	\$692,597	\$507,710	\$184,887	27%	\$352,800	44%
Debt Service	\$10,327,691	\$4,552,460	\$5,775,231	56%	\$4,954,743	-8%
Capital & CRP	\$4,795,985	\$2,747,073	\$2,048,913	43%	\$3,201,898	-14%
Bond Project	\$13,550,027	\$4,865,177	\$8,684,851	64%	\$11,572,836	-58%
Total	\$60,189,800	\$35,527,051	\$24,662,749	41%	\$40,919,565	-13%

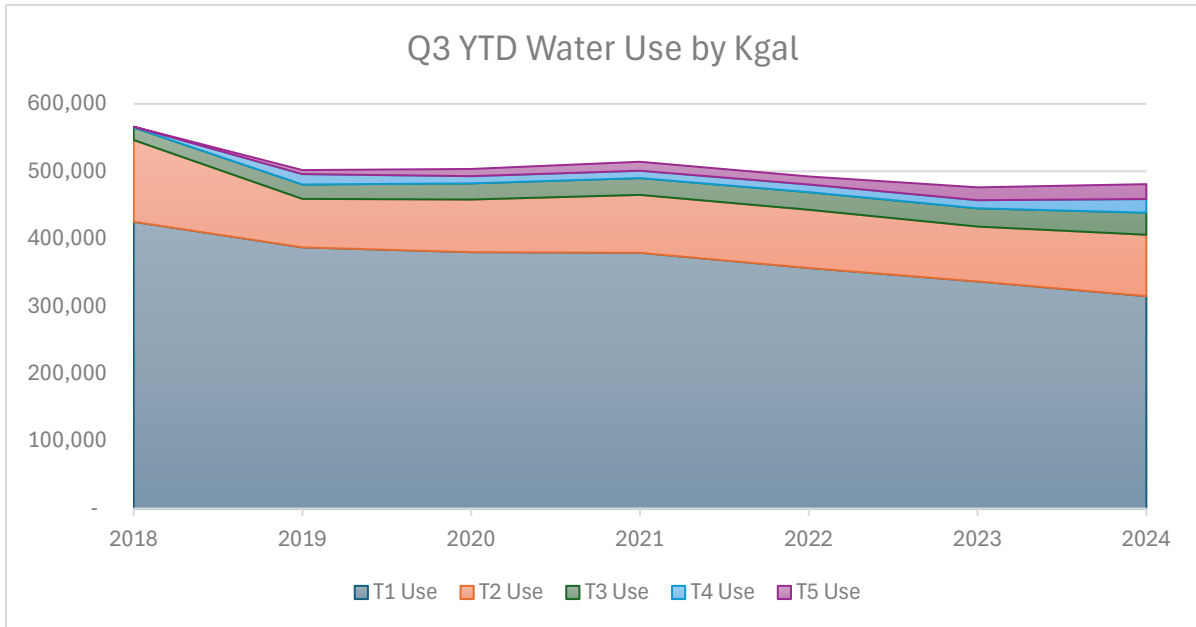


- Field Operations is over budget due to emergency distribution system repairs.
 - Distribution repairs have exceeded the annual budget by \$190K.
 - The three-year average distribution repair expense in the second half of the year is \$219K.
- Information Technology is over budget due to software expenses.

Revenue & Use Comparison



- Water Base Service revenues and tiered use revenues are 2.1% greater than budget.



- Water use is 1% greater year-over-year and 3.3% less than the 5-year average.



Bond & Cash Balances

WASTEWATER

WW Bond Funds	Annual Budget	Q3 3024	YE 2023
Beginning Balance	\$23,590,915	\$23,590,915	(\$8,016,457)
Bond Proceeds	\$0	\$0	\$47,328,671
Expense	\$12,050,255	\$4,056,205	\$15,721,299
Bond Balance	\$11,540,660	\$19,534,710	\$23,590,915

WW Bond Projects	Budget	Expense	Remaining Budget
EWWTf Nutrient Upgrades	4,000,000	1,420,337	2,579,663
VWWTf Master Plan Capital Improvements	3,669,726	1,337,807	2,331,919
AWWTf Nutrient Upgrades	250,000	94,389	155,611
2022 WW Master Plan Update	177,984	77,733	100,251
Dowd Junction Collection System Improve.	1,749,645	858,320	891,325
Cascade Sewer Main Project	700,000	0	700,000
Minturn Siphon Project	515,184	0	515,184
Gore Valley Trail @ Dowd Jct. Repair	312,243	0	312,243
Land and Facility Acquisitions	675,473	267,618	407,855
Total	\$12,050,255	\$4,056,205	\$7,994,050

WATER

Bond Funds	Annual Budget	Q3 3024	YE 2023
Beginning Balance	(\$1,237,554)	(\$1,237,554)	(\$163,082)
Expense	\$1,061,545	\$318,293	\$1,074,472
Bond Balance	(\$2,299,099)	(\$1,555,847)	(\$1,237,554)

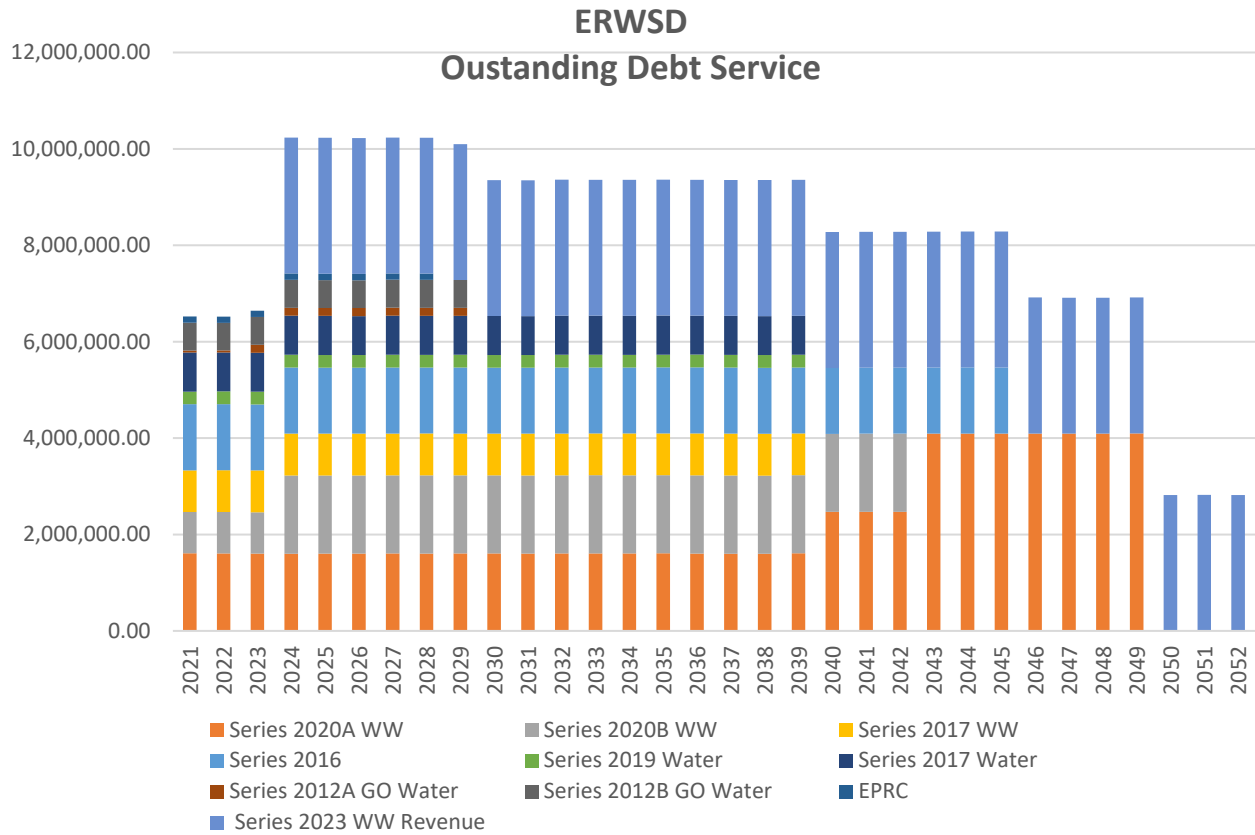
Project	Budget	Expense	Remaining Budget
Bolts Lake Reservoir	535,627	376,399	159,228
Vail Tank 4 Rehabilitation	150,000	44,681	105,319
Cascade Sewer Main Project	200,000	11,492	188,508
Main Gore Place Waterline Improvement	88,228	0	88,228
N. Frontage Road Water Main	525,918	376,399	149,519
Total	1,499,773	808,972	690,801

- \$15M 2024 Water Bonds scheduled to close on 10/31/2024



EAGLE RIVER WATER & SANITATION DISTRICT

Debt & Cash/Investments

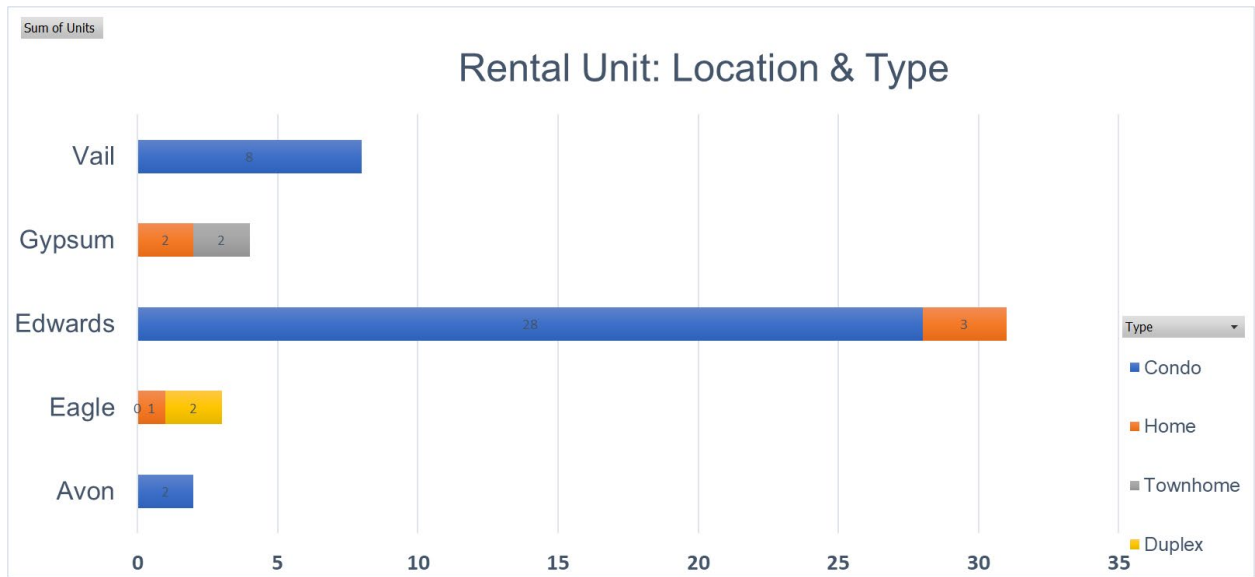


- Wastewater Debt Service Outstanding: \$218,354,046
- Water Debt Service Outstanding: \$22,154,300
- Total Outstanding Debt Service: \$240,508,346

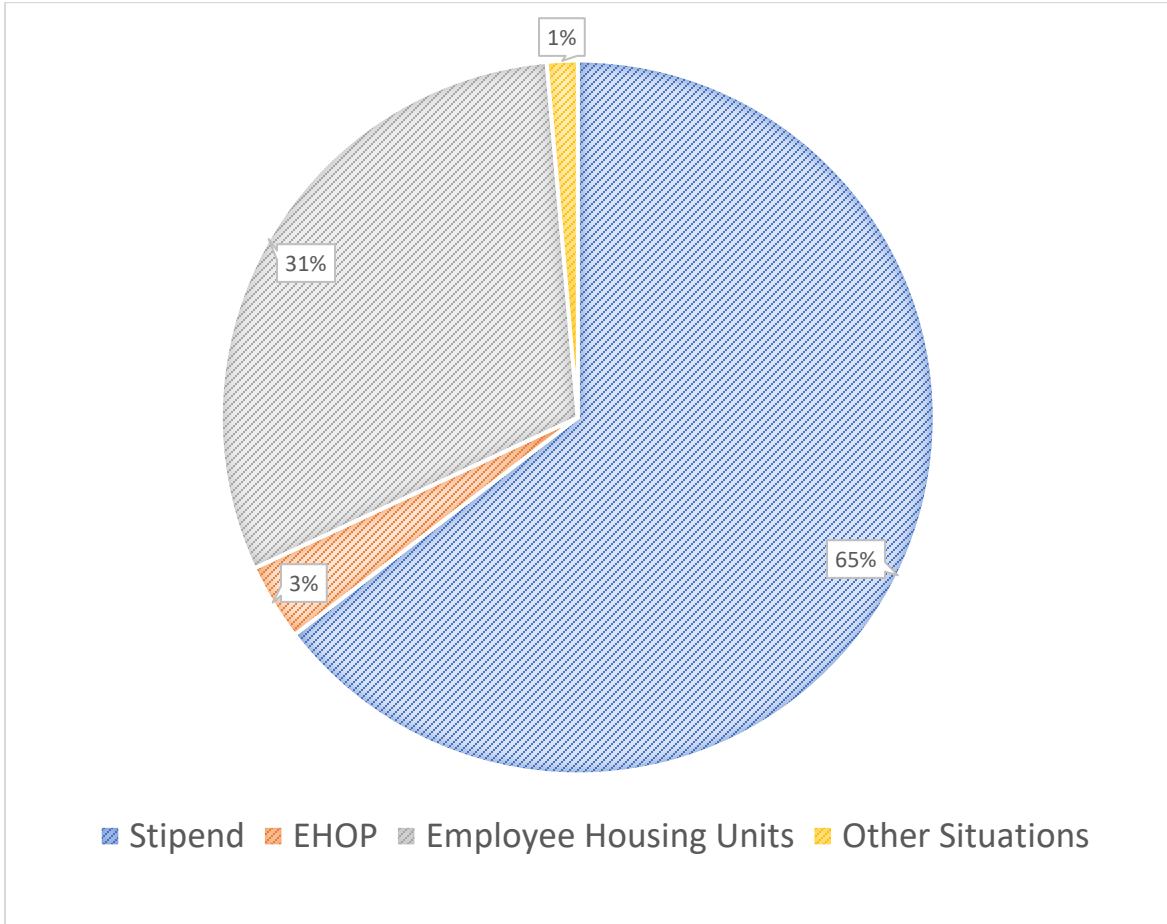
ERWSD WW & W	2024	2023	2022	2021
Combined Cash Balance	\$65,002,455	\$ 59,950,193	\$26,705,049	\$49,529,239

Housing Report

Location	Total Units	Revenue	Expense	Net Income
424 3rd Str	2	11,902	130,136	(118,234)
Buckhorn Lots	0	0	584	(584)
Cattail	8	106,983	57,994	48,988
Crazy Horse	2	18,282	21,990	(3,708)
Eagle Master Leases	0	18,040	32,925	(14,885)
Liftview	2	22,824	12,295	10,529
Nighthawk	2	25,888	12,335	13,553
Ryshot	1	19,050	2,931	16,119
Stillwater	21	296,829	131,916	164,913
Stratton Flats	2	35,407	4,429	30,977
Vail	8	87,114	100,174	(13,060)
Total	48	642,319	507,710	134,609



Housing Program Benefits



- 144 employees are currently participating in the housing program.
- Other situations include employees sharing units and employee purchased units.

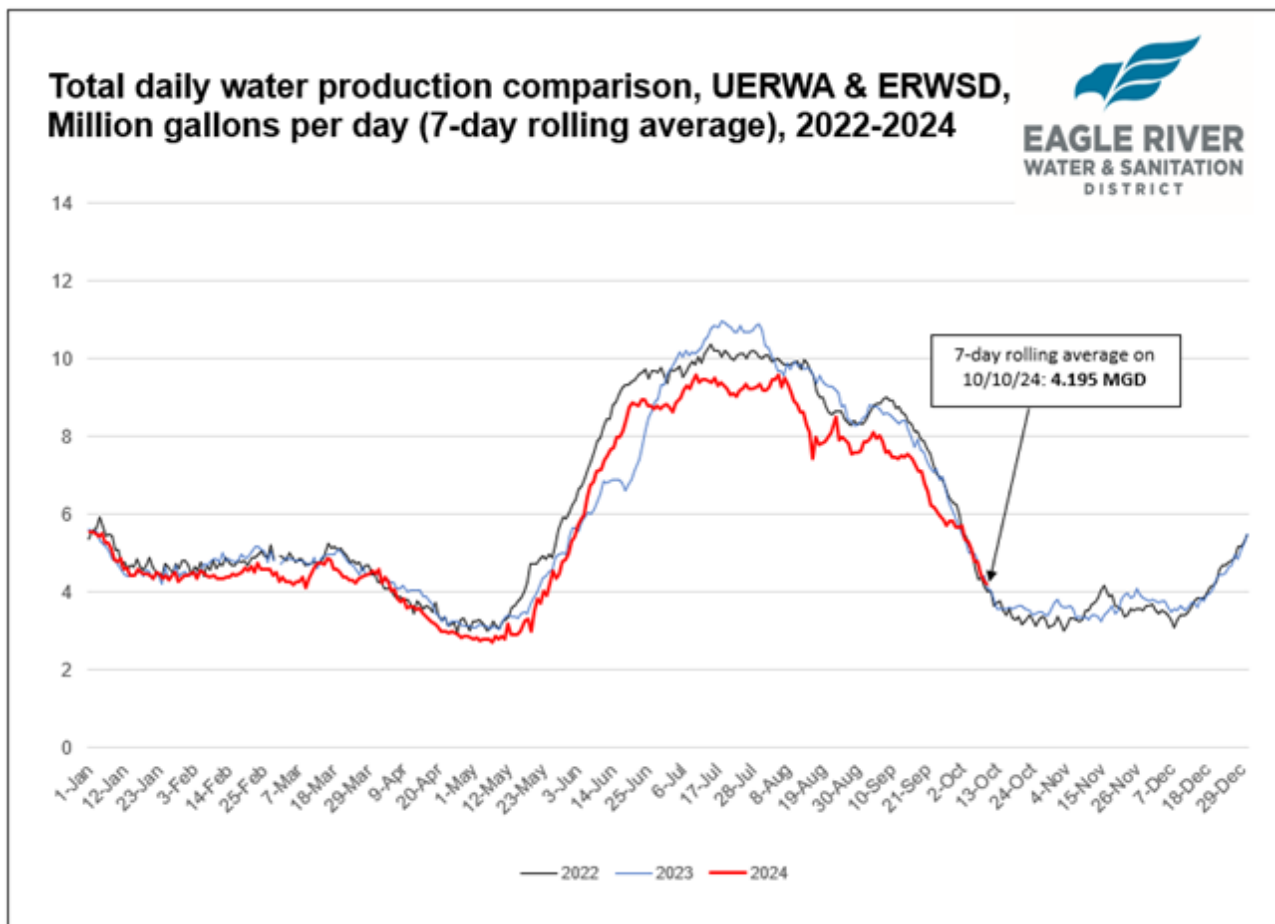


OPERATIONS MONTHLY REPORT OCTOBER 2024

WATER

Kailey Rosema

The system-wide water production comparison was updated through Oct. 10. System production is normal for this time of year.



District staff members are currently partnering with the Colorado Division of Water Resources (DWR) to complete a Comprehensive Dam Safety Evaluation (CDSE) for Black Lake #1. The CDSE is provided at no cost to the owners of all “high risk” dams across the state. The goal of the CDSE is to identify potential dam failure scenarios, analyze risk, and develop emergency response plans. A CDSE was performed for Eagle Park Reservoir in 2020.

Clean Water. Quality Life.™

The Edwards Drinking Water Facility (EDWF) is currently offline for planned equipment maintenance and minor capital improvements. The work includes improvements to the membrane clean-in-place process piping and tanks, installation of vents on the disinfection clearwell, and installation of a “block-and-bleed” backflow prevention control system on the membrane filtration process.



EDWF clearwell vent installation

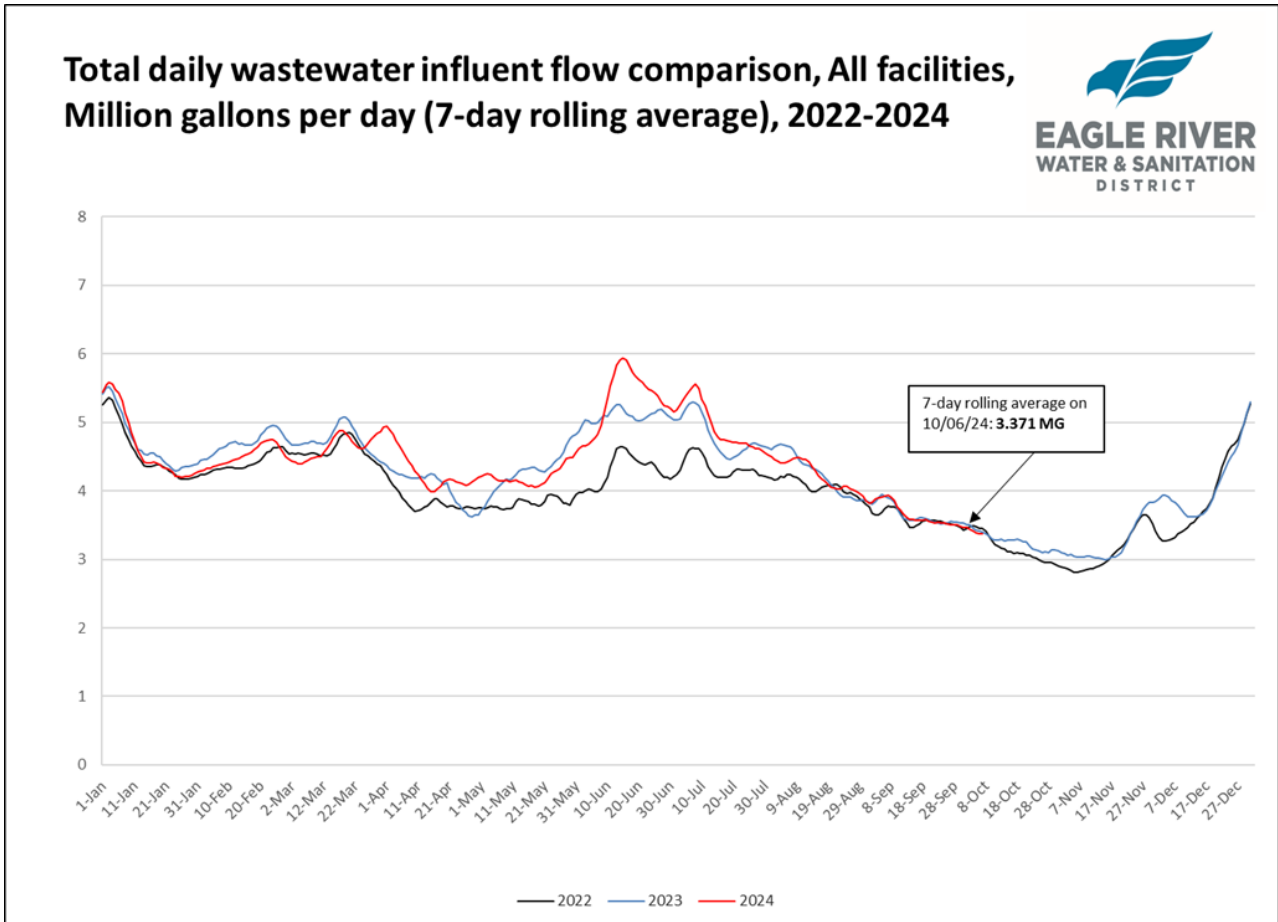


EDWF membrane system “block-and-bleed” valve installation

WASTEWATER

Chris Giesting

The system-wide wastewater inflow comparison was updated through Oct. 6. System flow is normal for this time of year.



FIELD OPERATIONS

Niko Nemcanin

On Sep. 30, Field Operations staff repaired a water main leak near Beard Creek Trail Road in Edwards. The leak was caused by corroded bolts on a mainline isolation valve bonnet. The damaged bolts were replaced and a new gasket was installed. The existing valve body was inspected, found to be in good condition, and reused.



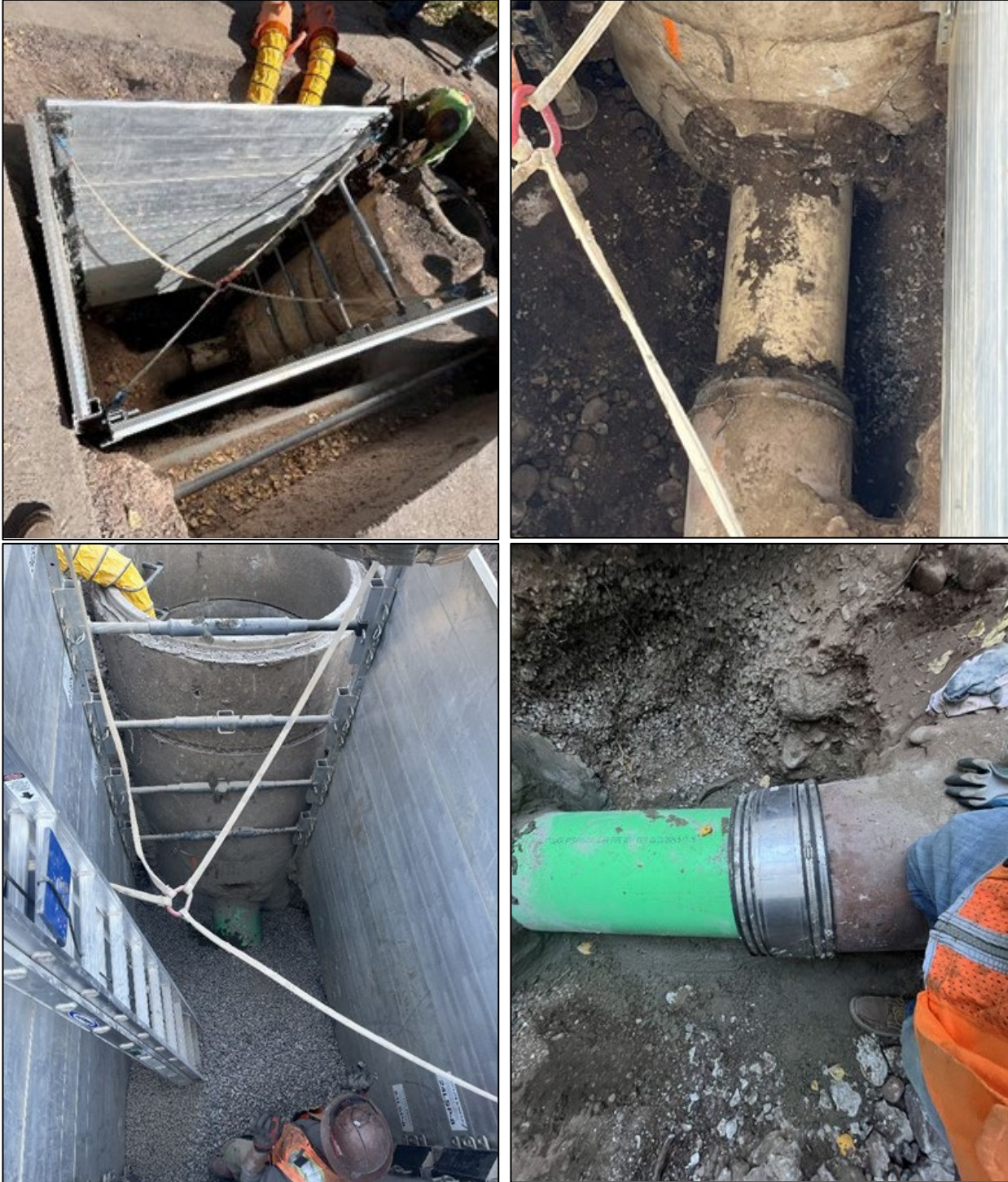
*Beard Creek Trail Road water valve repair
(excavation left; valve with corroded bolts middle, completed repair right)*

On Oct. 3, Field Operations staff repaired a water main leak near Granada Hill in east Cordillera. The leak was caused by corroded bolts on a mainline isolation valve bonnet. The damaged valve did not meet current District standards, so it was removed and replaced.



Granada Hill water valve repair (old valve left; new valve right)

On Sep. 30 – Oct. 3, a spot repair was made to the 18-inch sewer interceptor pipe in Eagle Vail, near the intersection of Highway 6 and Post Blvd. A section of the existing pipe was misaligned and needed to be replaced in advance of the cured-in-place pipe (CIPP) lining project that is scheduled for later this fall.



*Eagle Vail sewer interceptor repair
(original pipe top; completed repair bottom)*

On Sep. 30 - Oct. 3, a specialized contractor assisted Field Operations staff with cleaning and video-inspecting a section of the sewer interceptor in Dowd Junction. Earlier this year, CDOT realigned and modified the guardrails (at the District's request) to allow safe access from I-70 and Highway 24.



Dowd Junction sewer interceptor cleaning and inspection

UTILITY SERVICES

Shane Swartwout

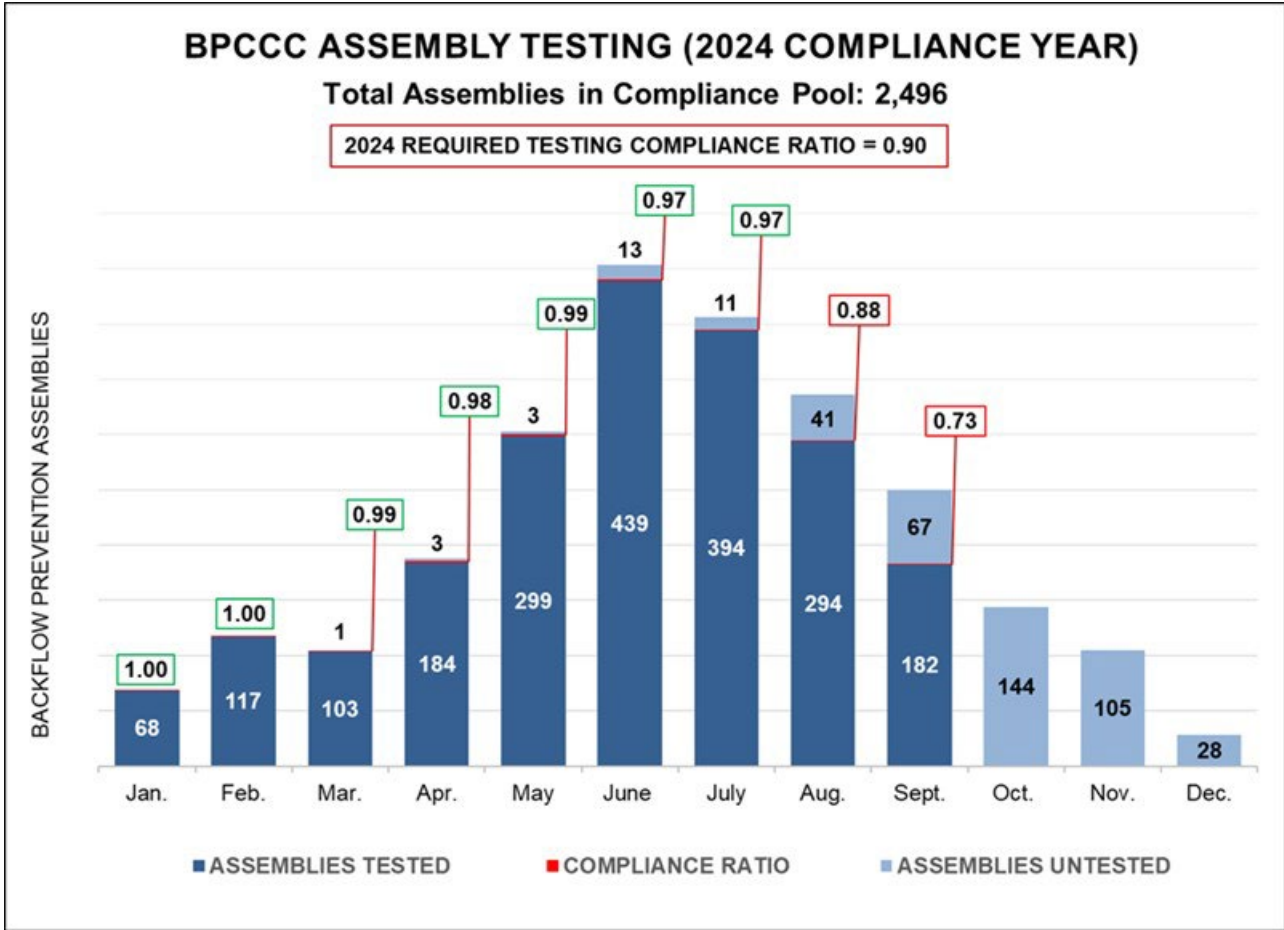
Meter Services

The Meter Services team is continuing its effort to change out non-AMI meters. A progress report is provided below.

Report Date:	10/10/2024		
AMI SYSTEM STATUS	ERWSD	UERWA	TOTAL
(1) Total No. of Meters	3207	6910	10117
(2) No. of AMI Meters	3207	6553	9760
(3) System Percentage of AMI Meters	100%	95%	97%
Meters Remaining to Reach 100% AMI	0	357	357
<i>Advanced Metering Infrastructure (AMI) Status (Updated 10-10-2024)</i>			

BPCCC Program

The BPCCC team successfully completed its multi-month effort to ensure that all irrigation assemblies were tested by the end of September. The team also initiated an effort to re-survey compliance accounts on a recurring 3-to-5-year cycle. This program improvement ensures that new backflow and/or cross connection hazards are routinely identified, controlled, and tracked. A BPCCC program compliance update is provided below.



Fats, Oils, and Grease (FOG) Program

District staff members have continued to conduct site visits at Food Service Establishments (FSEs) across the system. The team has successfully completed 57 on-site visits, and the outreach program has been positively received by the FSE's.

CAPITAL IMPROVEMENT PROGRAM (CIP)

Jeff Schneider

WATER PROJECTS

Cordillera West 1 Water Storage Tank Rehabilitation

Kevin Nelson

General Project Scope: The Cordillera West 1 Water Storage Tank is a 400,000-gallon, above-ground, steel tank. The project scope involves sandblasting and recoating the tank surfaces, installing a cathodic protection system, and various improvements to the vent, hatch, and overflow/drain systems.

Project Update: The tank was taken offline on Sep. 16 to test the temporary control systems that were installed to manage distribution system pressure, booster pumps, and tank levels during the project. Rehabilitation activities began on Sep. 18. To date, patch repairs have been made to the tank floor, the interior coating has been removed, a new hatch opening has been added, and a new concrete headwall has been poured for the drain and overflow outlets. The project is scheduled to be completed in late October.



*Cordillera West Tank 1 rehabilitation
(temporary interior scaffolding installation left, floor repairs right)*

Arrowhead Transmission Main

Mark Mantua

General Project Scope: This project includes the replacement of approximately 2,200 linear feet of 16-inch diameter water main from the base of Arrowhead Mountain to Arrowhead Tank 1. The existing pipe is badly corroded. The project also includes installation of a new valve control vault that will optimize tank filling and balance tank levels in the low-pressure zone.

Project Update: Approximately 1,100 feet of new water main pipe was disinfected, pressure-tested, and successfully commissioned. An additional 500 feet of water main pipe is expected to be installed by the end of the construction season. The project will be suspended over the winter and work will resume next spring.

Avon Drinking Water Facility (ADWF) PLC Upgrades

Jenna Beairsto

General Project Scope: This project includes the replacement of the programmable logic controllers (PLCs) at ADWF. Additionally, a new server room will be constructed within the facility. All existing programming and PLC logic will be reverse-engineered and updated to meet current District standards.

Project Update: The project team is continuing its efforts to resolve a design-related error pertaining to an undersized HVAC cooling system for the new server room. The work to install a temporary cooling solution is now complete. Final mechanical and fire inspections were completed

on Oct. 7. The design of a permanent solution has been finalized, and the two new HVAC units have been ordered. Construction of the permanent solution is not expected to begin until after the new year due to long equipment lead times.

Wildridge BPS, PRV, and Tank Improvements

Carter Keller

General Project Scope: This project addresses high priority recommendations from the 2020 Distribution System Master Plan and involves improvements to the pumping, storage, and pressure regulating facilities in the Wildridge service area. The scope includes mechanical, electrical, structural, architectural, and electrical improvements at multiple sites, including installation of an on-site emergency generator at Wildridge Booster Pump Station (BPS) 1.

Project Update: The project team is continuing to prepare for the 6-week bypass pumping task that will begin when BPS 1 is taken offline in November. An initial functional test of the bypass pumping equipment identified some minor construction deficiencies that have since been corrected. A follow-up test is scheduled for Oct. 16.

WASTEWATER PROJECTS

Vail Wastewater Treatment Facility (VWW) Master Plan Improvements

Mark Mantua

General Project Scope: A condition assessment of the VWW was conducted as part of the 2017 wastewater masterplan. The assessment identified several critical upgrades that are required to keep the facility in reliable and operable condition. The scope of this project includes installation of a new, larger diesel generator, structural repairs in the aeration basin, equalization, and clarifier rooms, replacement of the aging ultraviolet (UV) system, and construction and installation of an external facility bypass.

Project Update: The asbestos mitigation work, which caused a project delays throughout the summer, has been initiated. To date, approximately 500 square feet of asbestos-laden paneling and coatings have been removed. Air and vapor containment barriers were installed in affected areas, thereby allowing construction work to safely resume in other areas of the facility. The focus of current construction work is the replacement of the 30-inch mixed liquor pipe in Aeration Basin 3, which is severely corroded and deteriorated.



Mixed liquor pipe replacement at VWW (new pipe shown on right side of photo)



Asbestos containment barriers installed in VWW headworks

Edwards Wastewater Treatment Facility (EWW) Nutrient Upgrade

Jenna Beairsto
Madeleine Harris

General Project Scope: The EWW must be upgraded to meet Regulation 85 nutrient limits for final total inorganic nitrogen (TIN) and total phosphorus (TP). Expected improvements include renovation of the preliminary treatment equipment, primary bypass improvements, aeration basin modifications and expansion, blower replacements, chemical feed and storage improvements,

return and waste activated sludge (RAS/WAS) pump replacements, centrate storage improvements, and HVAC and electrical upgrades. This project will also resolve existing hydraulic process constraints and address condition assessment needs identified in the Wastewater Master Plan. The project must be completed by the CDPHE compliance deadline of Jan. 1, 2029.

Project Update: The 30% design deliverable will be issued in late October and the contractor's 30% cost estimate will be issued prior to the December holidays. A formal partnering session between the Engineer, Owner, and Contractor is scheduled for Oct. 23.

Gore Valley Trail Repair

Mark Mantua

General Project Scope: The Town of Vail (TOV) operates and maintains the Gore Valley Trail (GVT) from Dowd Junction to East Vail. The District owns and maintains an 18-inch sanitary sewer interceptor main that is located beneath the GVT near Dowd Junction. In many areas, the GVT is supported by a vertical retaining wall with steep embankment slopes down to Gore Creek. In 2010, Gore Creek experienced high streamflow, which resulted in embankment erosion that exposed the District's sanitary sewer main. Temporary repairs have previously been attempted, including rebuilding and grouting the retaining wall. However, in 2019 high stream flow in Gore Creek once again caused subsidence in the gravel shoulder of the GVT. This project is a collaborative effort between the District and TOV and involves streambank and channel improvements to permanently restabilize the embankments.

Project Update: The contractor installed new boulders and concrete to stabilize the streambank and create new energy-dissipating drop pool structures. Major instream work is complete, and the contractor is working to restore the site and staging area.

ADMINISTRATION PROJECTS

Eagle Vail Office (EVO) Improvements

Dan Duerr

General Project Scope: The project scope includes improvements to the roof, office space finishes, IT server room, and various mechanical, electrical, and plumbing (MEP) components, as well as the design and construction of a large conference room.

Project Update: The CIP and OTS departments have moved from the Traer Creek office into EVO. The planned improvements to the elevator lobby egress hallways and the Operation Manger office area will be initiated upon issuance of the pending Eagle County building permit.



Eagle Vail Office move in progress (CIP left, OTS right)



MEMORANDUM

TO: Boards of Directors

FROM: Madeleine Harris, CIP Project Manager
Chris Giesting, Wastewater Manager

DATE: October 18, 2024

RE: Wastewater Master Plan (WWMP) Summary

ERWSD and our consultant, Carollo Engineers, recently completed a master plan of the District's wastewater treatment facilities (WWTF). Building on the 2017 Wastewater Facilities Master Plan Update, this 2024 Wastewater Facilities Master Plan Update provides an updated capital improvements plan (CIP) through 2045 to meet upcoming nutrient limits (specifically at the Edwards and Vail WWTFs; Avon's nutrient project was recently completed), meet future growth projections, and address asset renewal needs. Master plans are usually completed about every 5 years to account for changes in growth projections, upcoming regulations, process requirements, and asset lifespan.

Some of the key goals for the WWMP included the following:

- Determine conditions of existing infrastructure at each facility
- Develop an overall regulatory compliance strategy for all three facilities, specifically considering upcoming nutrient and temperature regulations
- Create a revised wastewater Capital Improvements Plan that includes high level planning costs, a list of projects required at each facility, and the associated timeframe for each project

The high-level takeaways from the WWMP include the following:

- The next urgent project need is a major upgrades project at Edwards WWTF to include equipment replacement, process optimization, and nutrient removal capacities (per upcoming permit requirements beginning in 2029).
- Vail WWTF is the next facility expected to receive nutrient limits, which would trigger another nutrient upgrades project, assuming the current permit compliance date in 2034.
- The regulatory outlook with Colorado Department of Public Health and Environment (CDPHE) is dynamic. There is a potential to use nutrient trading and other regulatory levers to optimize ERWSD's overall regulatory compliance strategy for nutrients amongst the three plants.
- Vail WWTF currently has temperature limits in its permit that they are meeting, but it will be important to continue to monitor the data. There is the potential that all 3 facilities receive temperature limits at future permit renewals; however, the regulatory specifics and timing are uncertain.
- Beyond nutrient compliance, all three facilities will require asset renewal projects at some point into the future to replace aging and failing infrastructure.



MEMORANDUM

TO: District and Authority Boards of Directors
FROM: Jason Cowles, P.E. and Justin Hildreth, P.E.
DATE: October 16, 2024
RE: Engineering & Water Resources Report

Water Resources Tour

Thanks to all who participated in and assisted with the water resources tour. We picked an excellent fall day for visiting our in-basin reservoirs.



Photo Credit: Jane Tucker

Development Report

An updated copy of the Development Report is attached. In the Authority, we recently received a new application for a carwash planned on the Vogelman Parcel in Edwards adjacent to the West End Project. We had previously discussed this project in 2022. The project has gone through some programming changes, and we are awaiting updated water demand information from the applicant to evaluate water dedication requirements. There are no new updates in the District.

Bolts Lake Redevelopment Project Update

An updated program management progress report from Black & Veatch is included in your packet. A design kickoff meeting with AECOM will be held on October 17. We will provide an update on the kickoff at next week's meeting.

Attachments:

1. Authority Unallocated In-Basin Supply, October 2024
2. ERWSD and UERWA New Development Reports, October 2024

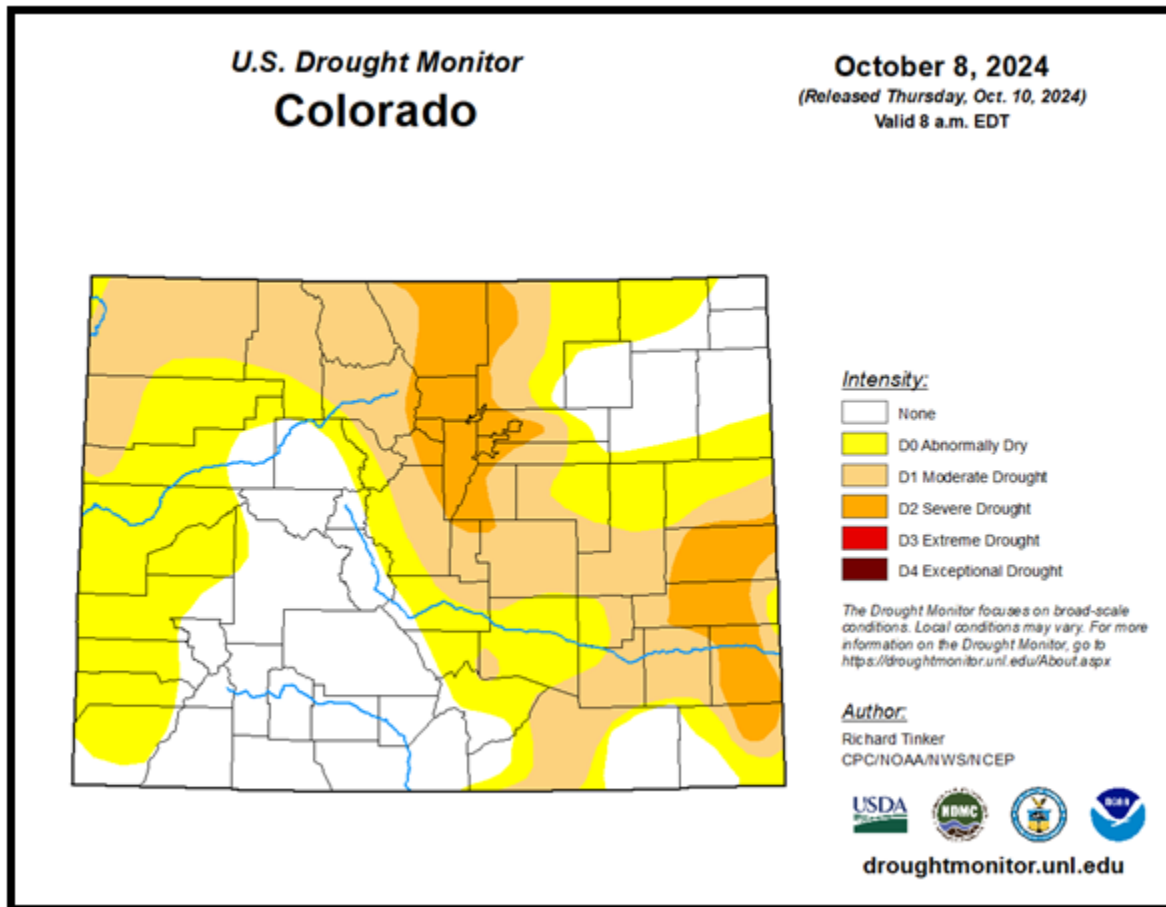
Water Resources Report

Justin Hildreth

Drought Conditions

On October 08, 2024, the U.S. Drought Monitor prepared by the National Drought Mitigation Center (NDMC) classified most of Eagle County as not experiencing drought except the far eastern portion which is abnormally dry. The NDMC classified the front range as severe to moderate drought conditions. The NDMC increased the drought classification for the northwest corner of the state to moderate drought.

Figure 1: U.S. Drought Monitor – Colorado. October 08, 2024 (National Drought Mitigation Center)



Temperature and Precipitation Forecasts

Figures 2 and 3 show the current National Weather Service 8-to-14-day temperature and precipitation outlooks. The 2-week outlook for Colorado indicates that the temperatures will be above normal, and precipitation will be normal. The seasonal 3-month temperature and precipitation outlooks, which are less accurate, indicate temperatures are likely above normal and precipitation leaning below normal.

Figure 2: 8-14 Day Temperature Outlook – October 13, 2024 (NOAA/National Weather Service Climate Prediction Center)

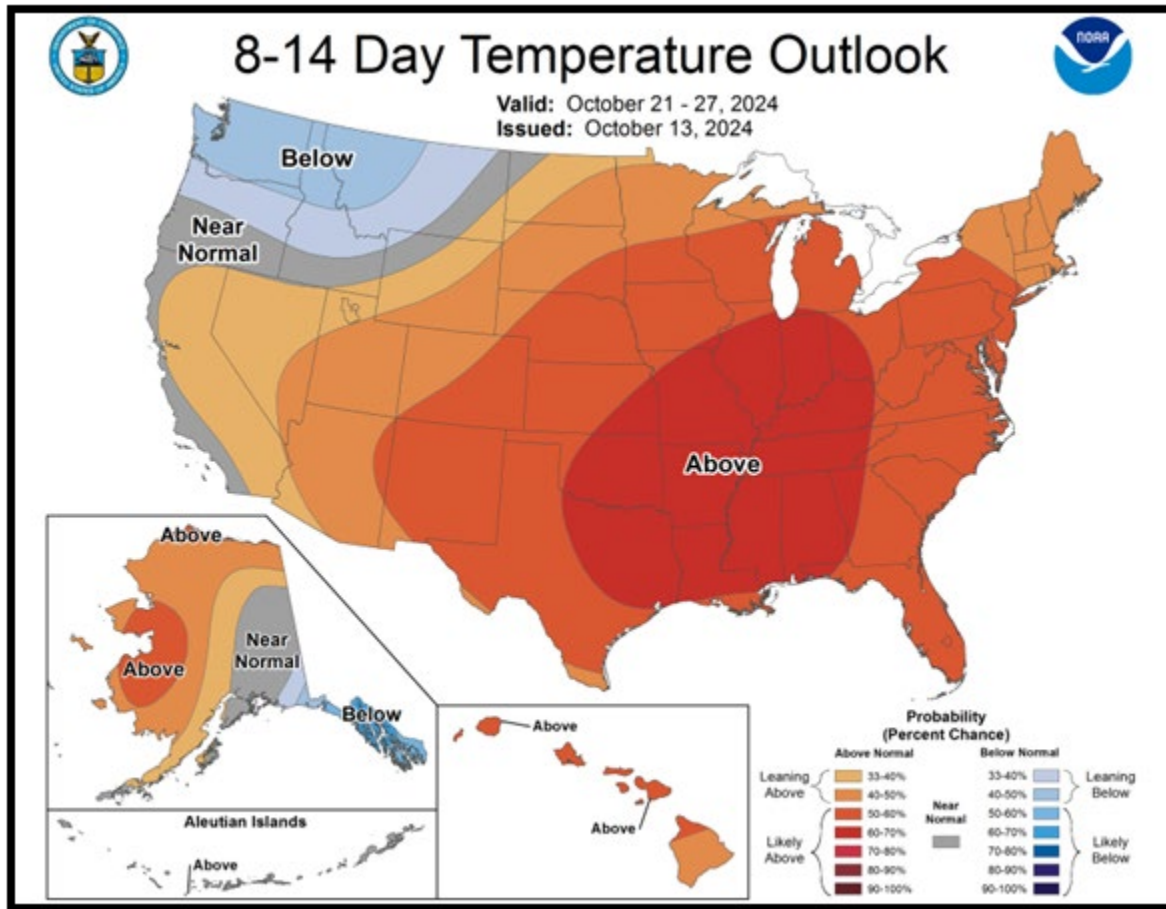
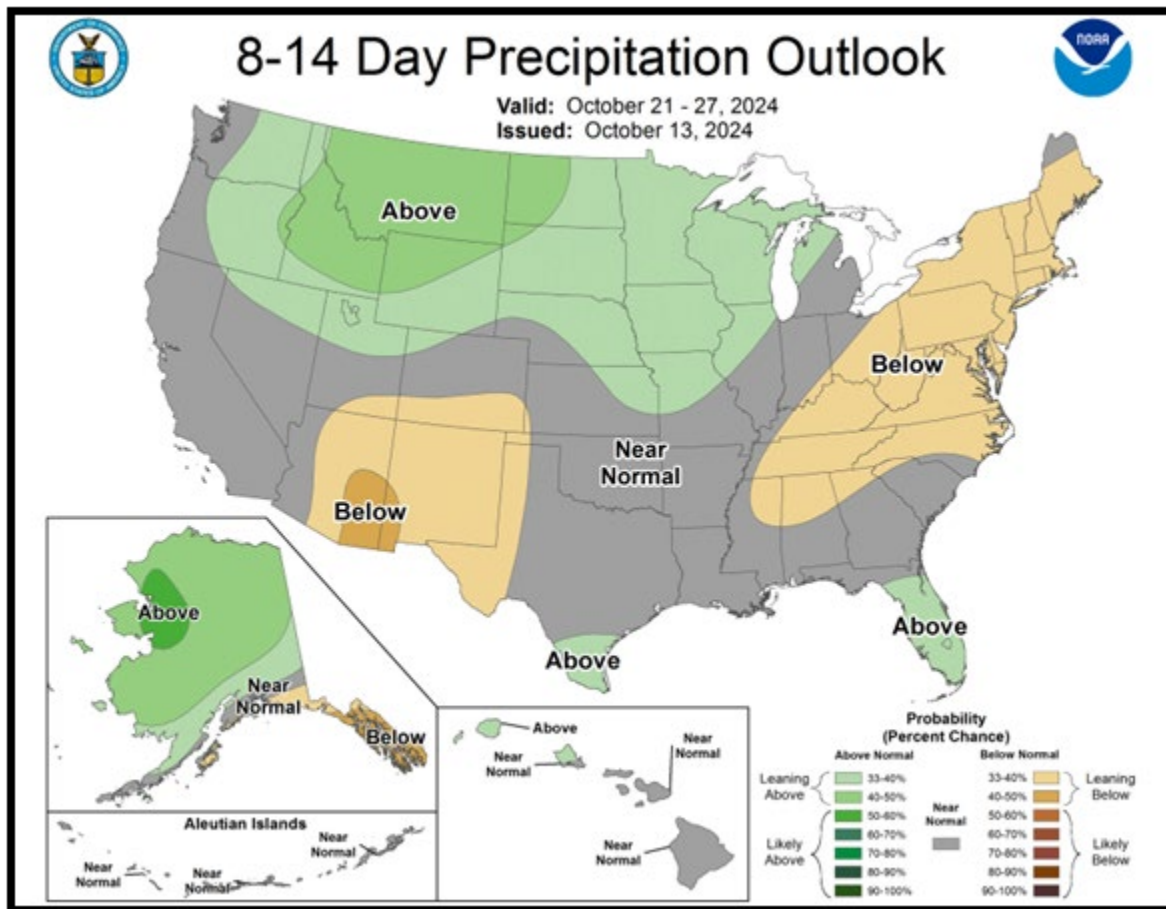


Figure 3: 8-14 Day Precipitation Outlook – October 13, 2024 (NOAA/National Weather Service Climate Prediction Center)



Precipitation Conditions

In the 2023-2024 water year, the Vail SNOTEL site received 31.8" of precipitation which is 2.8" below the median of 34.6". The Fremont Pass SNOTEL site received 32.4" of precipitation, which is 3.1" above the median of 29.3".

Figure 4: Precipitation at Vail Mountain SNOTEL Station, 2024 Water Year (USDA)

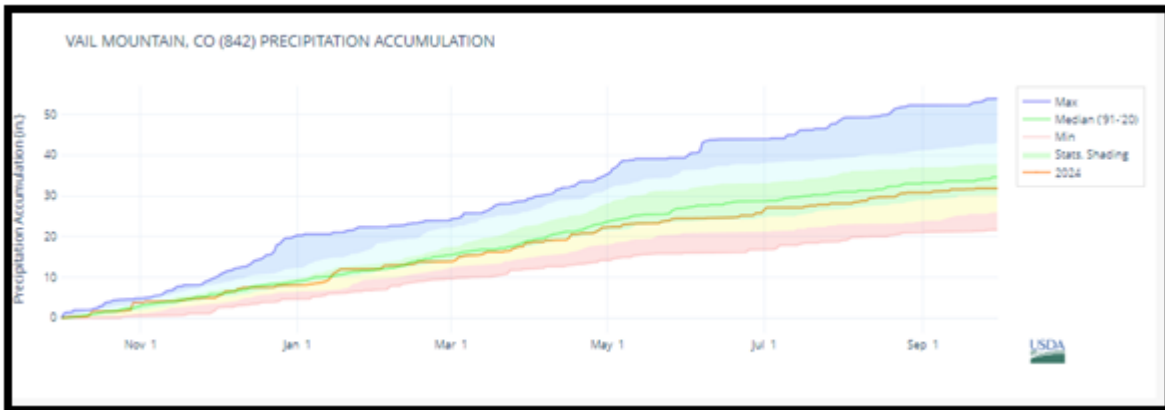
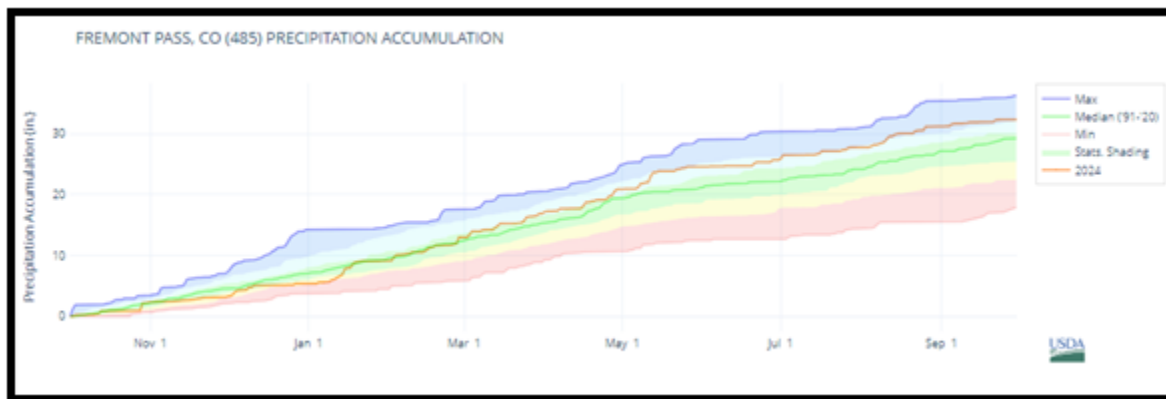


Figure 5: Precipitation at Fremont Pass SNOTEL Station, 2024 Water Year (USDA)



Streamflow

Figures 6, 7, and 8 contain the Colorado Basin River Forecast Center (CBRFC) hydrographs for Gore Creek above Red Sandstone Creek, Eagle River at Avon, and Colorado River at Dotsero respectively. The weather has been mild and dry over the last month and correspondingly the streamflows trended downward and are below the 25th percentile, except for the Colorado River at Dotsero where flows are being bolstered up by upstream reservoir releases to satisfy the Shoshone and Cameo calls.

The streamflow in Gore Creek above Red Sandstone Creek is currently near the instream flow water right of 16 cfs, which drops to 6 cfs in November. The District has initiated a release from Black Lakes to augment diversions from the Vail Wells. The Eagle River at Avon is 63 cfs comfortably above the instream flow water right of 35 cfs. The CRBFC projects the streamflows to remain near these levels for the next few weeks.

Figure 6: Forecast Hydrograph, Gore Creek above Confluence with Red Sandstone Creek, October 14, 2024 (CBRFC)

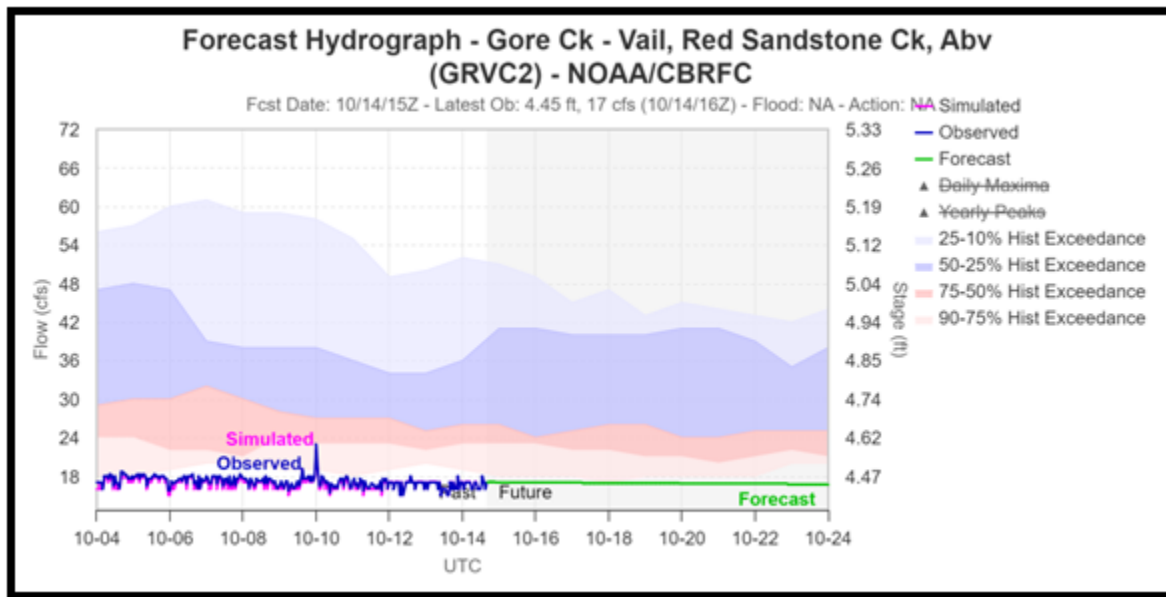


Figure 7: Forecast Hydrograph, Eagle River at Avon, October 14, 2024 (CBRFC)

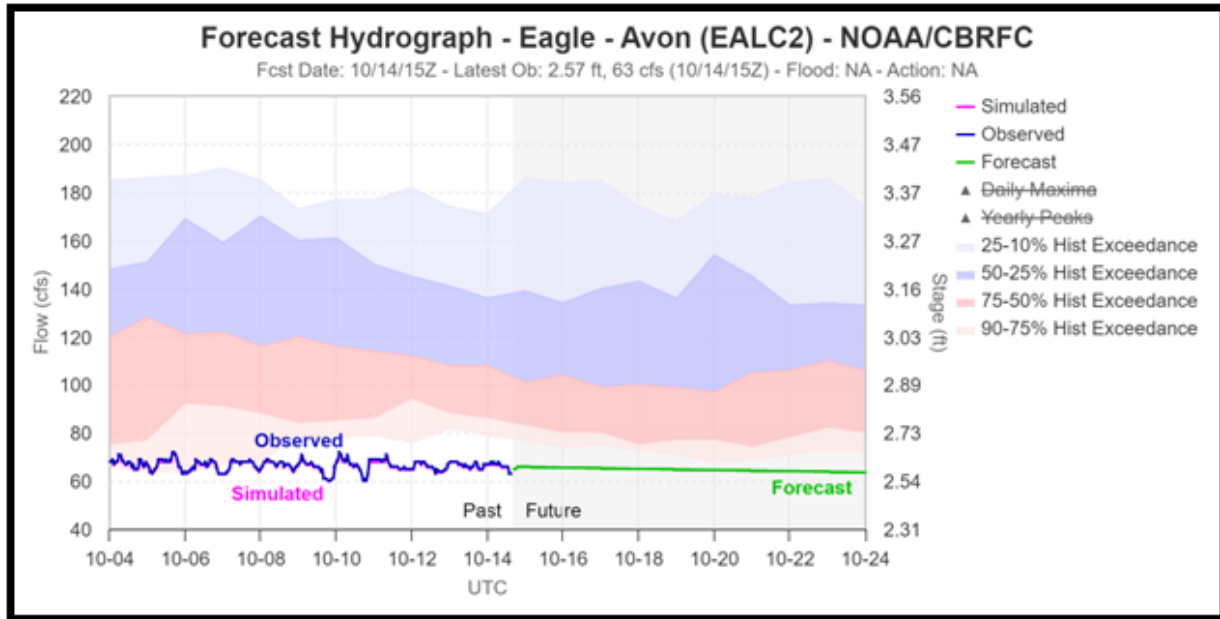
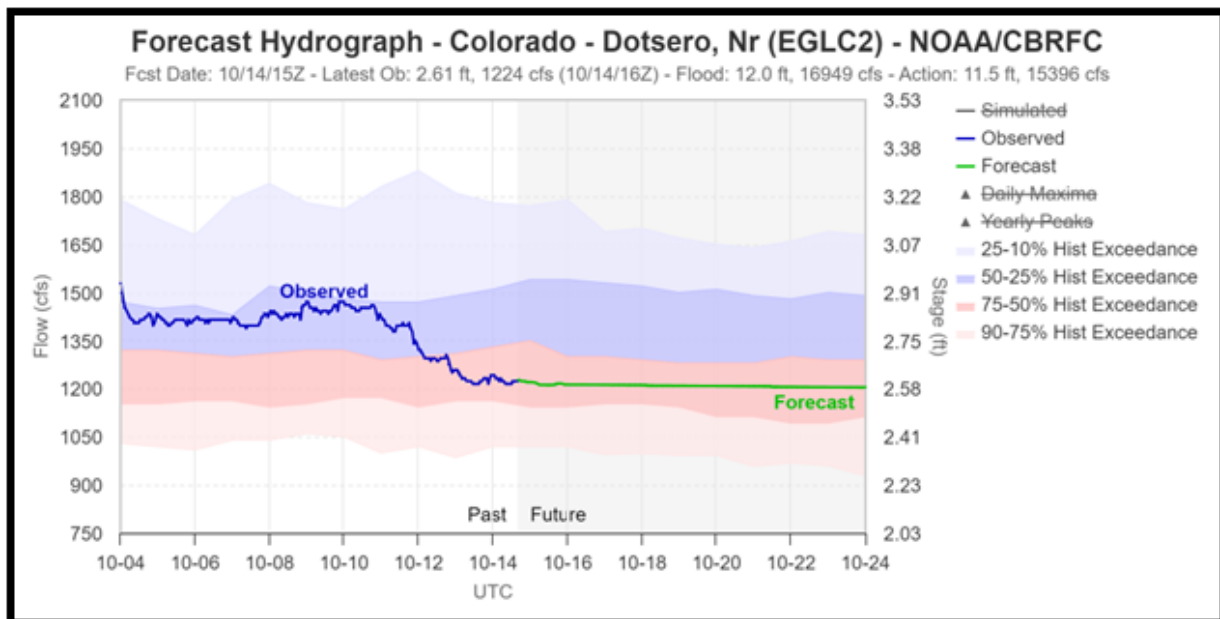


Figure 8: Forecast Hydrograph, Colorado River at Dotsero, October 14, 2024 (CBRFC)



Reservoir Volumes

Table 1 summarizes the reservoir storage accounts and indicates that the reservoir storage accounts are nearly full and expected to meet the District and Authority’s needs for this winter season.

Table 1: District and Authority storage accounts for October 1, 2024 (Helton and Williamsen).

October 1, 2024 Volumes in Storage (acre-feet) and Percentages of Full:

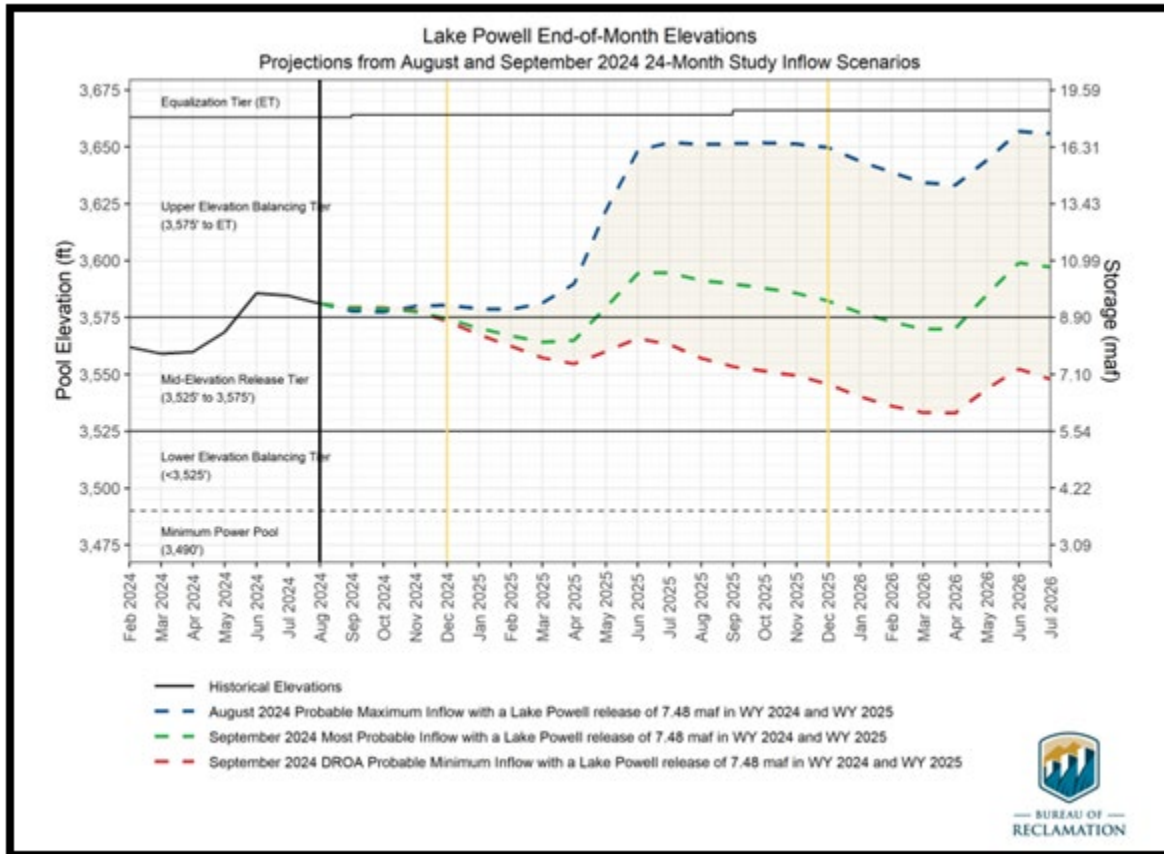
Reservoir	ERWSD		UERWA		Total	
Green Mountain	934	100%	508.47	93%	1442.47	97%
Black Lakes	425	100%	300	100%	425	100%
Eagle Park	406.41	100%	717.92	95%	1124.38	97%
Homestake Res	250	100%	256.50	100%	506.50	100%
Wolford Mtn	500	100%	675.96	95%	1175.96	97%

*Homestake Year is currently set as July 1 to June 30.

Lake Powell

The US Bureau of Reclamation (USBR) September 24-Month Study elevation projections for Lake Powell are shown in Figure 9. The Lake Powell levels are 4 FT higher than a year ago and USBR projects them to be 9 FT higher in October 2025. Lake Powell storage is 9.1 million acre-feet, 37% of capacity, and 60% of the median.

Figure 9: USBR September 2024 24-Month Study Elevation Projections for Lake Powell



Authority Unallocated In-Basin Storage Supply

Updated: 10/16/2024 by JEC

	In-basin Reservoir Storage, acft Affordable Housing Reserve ²	In-basin Reservoir Storage, acft Unrestricted ³
Available Unallocated In-Basin Storage¹	87.40	75.00
Dedication Requirements for New Projects		
State Land Board (Avon)	16.00	--
Eagle-Vail Presbyterian Church Employee Housing (Eagle County)	--	0.17
Eagle County Freedom Park Project (Berry Creek)	3.27	--
Cairns Townhomes (Edwards)	--	1.08
CMC Student Housing Building 3 (Edwards)	3.17	--
Total Pending Dedications	22.44	1.25
Remaining Unallocated In-Basin Storage	64.96	73.75

Notes:

1) Available Unallocated In-Basin Storage based on modeling for February 2023 Water Rights Report using Buildout Demands with Conservation and 95th Percentile Dry Year Hydrology under Median Climate Change Scenario. Pending developments that were included in the buildout demands include the West End PUD, the Edwards River Park PUD, the Margaux PUD, and the Warner Building Redevelopment.

2) Affordable Housing Reserve In-basin Reservoir Storage is Eagle Park water transferred to UERWA by Eagle County for water rights dedication requirements of housing projects subject to the terms of the Eagle Park Reservoir Stock Agreement between the Authority and Eagle County. Projects utilizing this water are subject to approval by the Authority and Eagle County.

3) Unrestricted In-basin Reservoir Storage includes 25 acft option purchased from ERWSD and 50 acft lease from the Colorado River Water Conservation District.

4) Water dedication requirements and sources are based on best available information and are subject to change.



UERWA New Development Report, October 2024

Project Location	Type of Use	Water Source	SFEs Proposed	Augmentation Requirement (acre-feet)	Application Initiation Date	Development Approval Process Step:	Construction Approval Process Step:
JLT Valley LLC Carwash Edwards	Commercial	Unallocated	TBD	TBD	October 9, 2024	1. Connection Application	0. Conceptual
CMC Student Housing Building 3 Edwards	Residential	Eagle County Agreement	36	3.17	May 7, 2024	1. Connection Application	1. Plan Review
State Land Board Parcels Unincorporated ECO	Mixed	Eagle County Agreement	700 Units + 60,000 SF Com	16	August 7, 2023	2. Water Analysis	0. Conceptual
Eagle River Presbyterian Church Housing Unincorporated ECO	Residential	Unallocated	2	0.17	June 20, 2023	3. Cond. Capacity Expires October 24, 2024	1. Plan Review
West Riverview (formerly Cairns) Edwards	Residential	Unallocated	10	1.18	June 7, 2023	3. Cond. Capacity Expires May 13, 2025	0. Conceptual
Eagle County - Freedom Park Project Edwards	Mixed	Eagle County Agreement	20 + Com	3.27	May 22, 2023	4. Water Rights Allocation & Service Agreement	3. Under Construction
North Road Project Traer Creek	Access Road	N/A	N/A	N/A	May 10, 2023	N/A	3. Under Construction
Margaux PUD Edwards	Residential	Unallocated	32	3.56	October 11, 2021	3. Cond. Capacity Expires October 9, 2024	0. Conceptual
Edwards River Park PUD Edwards	Mixed	Unallocated	440	60.85	December 2, 2016	3. Cond. Capacity Expires February 2025	1. Plan Review
Projects not requiring or that have completed Water Rights Dedication							
Prime West Apartments	Residential	Traer Creek Water Service Agreement	242		May 13, 2024	5. Ability to Serve Letter	1. Plan Review
130 W BC BLVD Hotel Avon	Residential	Avon SFE Guarantee	80		March 20, 2024	N/A	0. Conceptual
Gracious Savior Lutheran Church and Eagle County School District Housing Project	Residential	Edwards Metro District Water Rights	6		November 22, 2023	5. Ability to Serve Letter	N/A
Vail Valley Foundation Childcare Center Traer Creek	Mixed	Traer Creek Water Service Agreement	TBD		October 13, 2023	1. Connection Application	0. Conceptual
Slopeside Housing Avon	Residential	Avon SFE Guarantee	TBD		October 5, 2023	1. Connection Application	0. Conceptual
140 W BC BLVD Hotel Avon	Residential	Avon SFE Guarantee	79		May 16, 2023	N/A	1. Plan Review
Tract Y- Metcalf Road Avon	Residential	Avon SFE Guarantee	53		February 16, 2023	5. Ability to Serve Letter	3. Under Construction
McGrady Acres Avon	Residential	Avon SFE Guarantee	24		August 5, 2021	5. Ability to Serve Letter	4. Construction Acceptance
Warner Building 2 Conversion Eagle-Vail	Residential	Unallocated	13.6	0.07	March 16, 2018	5. Ability to Serve Letter	N/A
West End PUD Amendment Edwards	Residential	Unallocated	275	28.38	February 27, 2019	5. Ability to Serve Letter	1. Plan Review
Projects that have recieved Construction Acceptance							
CMC Student Housing , ECO School District Housing, Frontgate, Maverik Gas Station, NorthStar PUD, Piedmont Apartments, Avon Dual Brand Hotel Traer Creek - Tract J, Fox Hollow PUD							
Development Approval Process Steps:	1. Connection Application			2. Water Demand Worksheet Analysis	3. Conditional Capacity to Serve Letter	4. Water Rights Allocation & Service Agreement	5. Ability to Serve Letter
Infrastructure Acceptance Process Steps:	0. Conceptual			1. Plan Review	2. Plan Approval	3. Under Construction	4. Construction Acceptance



ERWSD New Development Report, October 2024

Project Location	Type of Use	SFEs Proposed	Augmentation Requirement (acre-feet)	Application Initiation Date	Development Approval Process Step:	Construction Approval Process Step:
Cornerstone Project Vail	Mixed	33 + Com	N/A	July 11, 2024	N/A	0. Conceptual
Timber Ridge II Redevelopment Vail	Residential	302 (203.4 net increase)	2.3	July 25, 2023	3. Conditional Capacity to Serve Letter	3. Under Construction
Maloit Park ECO School District Housing Minturn	Residential	137 (120 net increase)	N/A	July 21, 2023	N/A	1. Plan Review
Midtown Village PUD Minturn	Mixed	42 + Com	N/A	October 13, 2022	N/A	1. Plan Review
North Minturn PUD Minturn	Residential	36	N/A	October 10, 2022	N/A	3. Under Construction
Middle Creek Lot 4,5 Vail	Mixed	268	4.2	June 28, 2022	3. Conditional Capacity to Serve Letter	1. Plan Review
Wolcott PUD Wolcott	Mixed	360 + Com	TBD	May 11, 2022	0. Conceptual	0. Conceptual
Belden Place (1200 Block Main St) Minturn	Residential	39	N/A	December 23, 2020	N/A	2. Plan Approval
Highline (Double Tree Expansion) Vail	Residential	43.65	0.79	July 11, 2019	5. Ability to Serve Letter	2. Plan Approval
Alura (Miradoro) Vail	Residential	10	0.405	May 29, 2018	4. Water Rights Allocation & Service Agreement	3. Under Construction
Projects that have recieved Construction Acceptance						
VVMC Phase II-East Wing, Vail Marriot Residence Inn, Residences at Main Vail						
Development Approval Process Steps:	1. Connection Application		2. Water Demand Worksheet Analysis	3. Conditional Capacity to Serve Letter	4. Water Rights Allocation & Service Agreement	5. Ability to Serve Letter
Infrastructure Acceptance Process Steps:	0. Conceptual		1. Plan Review	2. Plan Approval	3. Under Construction	4. Final Acceptance



MEMORANDUM

Subject:	Board Update – October progress	Date:	10/15/24
Client:	Eagle River Water and Sanitation District and Upper Eagle Regional Water Authority	Project No.:	419055
Project Name:	Bolts Lake Redevelopment Program	File No.:	14.1200
From:	Ben Johnson		

The purpose of this memo is to provide an update on the status and progress of the Bolts Lake Redevelopment Program. The table below provides a snapshot of the work completed in the last month, upcoming milestones, and important next steps in key focus areas.

Category	Recent Progress	Near Term Milestones	Next Steps
Program Management	Plans completed and active: <ul style="list-style-type: none"> • Internal Communications Plan • Procurement Plan • Conflict Resolution Plan • Document Control Plan • Project Charter • Quality Management Draft plans submitted to District for review: <ul style="list-style-type: none"> • Risk Management and Change Management • Property Easement Plan • Public Outreach Involvement Plan 	Finalize program management plans: (November 2024) <ul style="list-style-type: none"> • Environmental Compliance • Program Controls • Succession Plan • Cost Management Plan 	District review of program management plans, and finalize plans when comments are received
Environmental Permitting	Field reports for biological resources and wetlands were received and are under review by program manager and District.	Draft Purpose and Need Statement by Helton and Williamson (end of October)	Review cultural resources field memorandum (end of October)
		Identify Lead Permit agency (January 2025)	
		Initiate consultations with interested parties and stakeholders (February 2025)	Contact Federal agencies regarding NEPA primacy
		Submit Draft Environmental Assessment to Lead Permit Agency (September 2025)	

Category	Recent Progress	Near Term Milestones	Next Steps
Technical	Agreed on scope and fee, executed design contract, and held design kickoff meeting.	AECOM deliverable: Technical Memorandum regarding diversion alternatives (January 2025)	Conduct topographic field survey (October 2024)
		AECOM deliverable: Technical Memorandum regarding dam embankment and liner alternatives (January 2025)	
		Design alternatives workshop (February 2025)	Begin design alternatives analysis
		AECOM Deliverable: Draft 30% Design documents for use in NEPA consultations (April 2025)	
Funding	Comments and direction provided to The Ferguson Group on funding opportunities.	Funding strategy identified (December 2024)	Review funding opportunities with Senator Bennet's office
		Grant and loan applications to execute funding strategy	TFG to complete Funding Opportunities Memorandum

In the next month (November), Black & Veatch will provide a schedule update, review design progress with AECOM, continue to provide program planning documents for district review, and finalize field reports from Pinyon Environmental for incorporation into the EA and stakeholder consultation. In addition, NEPA work will continue to focus on establishing contact with relevant Federal agencies and continue the discussion regarding which agency will lead the NEPA process.

Bolts Lake Reservoir

Activity ID	Activity Name	Remaining Duration	Start	Finish	24	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
					Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q

Bolts Lake Reservoir

Milestones

Activity ID	Activity Name	Remaining Duration	Start	Finish
		2290	03-Jun-24 A	01-Jul-33
		2274	15-Oct-24	01-Jul-33
A1000	30% Design NTP	0	15-Oct-24*	
A1030	Construction NTP	0	01-Oct-29	
A1010	Construction Completion	0		22-Oct-32
A1020	Turnover Completion	0		14-Jan-33
A1040	Final Completion	0		01-Jul-33

Permitting/Surveys

Federal Permitting

BLM - Mining Permit

Activity ID	Activity Name	Remaining Duration	Start	Finish
		280	29-May-28	22-Jun-29
A1580	Prepare Permit Application - BLM - Mining Permit	30	29-May-28	07-Jul-28
A1590	Agency (BLM) Review - Mining Permit	250	10-Jul-28	22-Jun-29
A1600	Permit Obtained - BLM - Mining Permit	0		22-Jun-29

USFS - Wilderness Approval Permit

Activity ID	Activity Name	Remaining Duration	Start	Finish
		460	29-May-28	01-Mar-30
A1760	Prepare Permit Application - USFS - Wilderness Approval Permit	90	29-May-28	29-Sep-28
A1770	Agency (USFS) Review - Wilderness Approval Permit	370	02-Oct-28	01-Mar-30
A1780	Permit Obtained - USFS - Wilderness Approval Permit	0		01-Mar-30

FAA - Notice of Proposed Construction or Alteration

Activity ID	Activity Name	Remaining Duration	Start	Finish
		47	29-May-28	01-Aug-28
A1700	Prepare Permit Application - FAA - Notice of Construction	2	29-May-28	30-May-28
A1710	Agency (FAA) Review - Notice of Construction	45	31-May-28	01-Aug-28
A1720	Permit Obtained - FAA - Notice of Construction	0		01-Aug-28

EPA - Spill Prevention Control Coutermeasures Plan (SPCC)

Activity ID	Activity Name	Remaining Duration	Start	Finish
		40	29-May-28	21-Jul-28
A1640	Prepare Plan - EPA - SPCC	40	29-May-28	21-Jul-28
A1660	Plan Completed - EPA - SPCC	0		21-Jul-28

USACE - Section 404 Permit

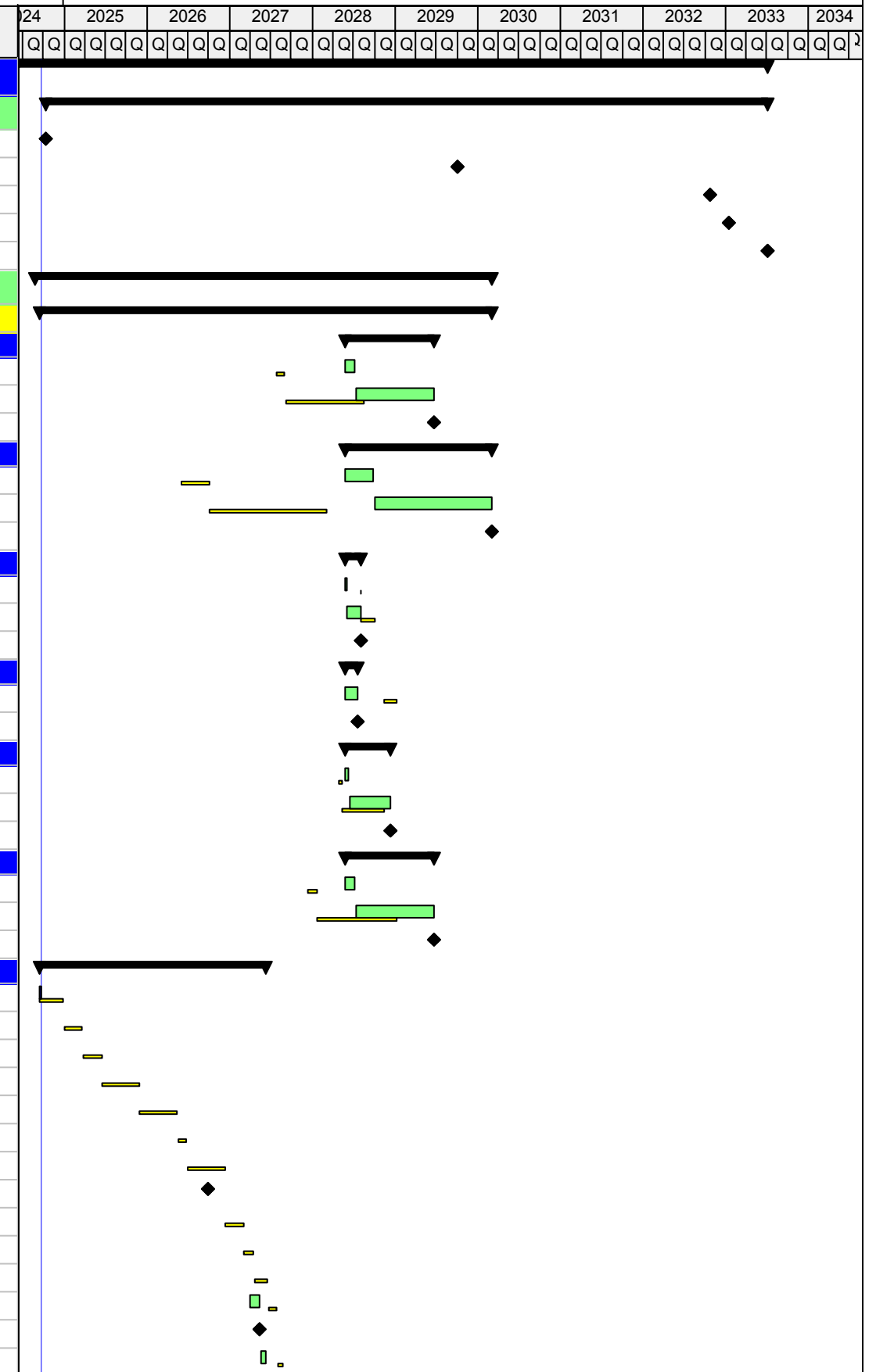
Activity ID	Activity Name	Remaining Duration	Start	Finish
		140	29-May-28	08-Dec-28
A1610	Prepare Permit Application - USACE - Section 404 Permit	10	29-May-28	09-Jun-28
A1620	Agency (USACE) Review - Section 404 Permit	130	12-Jun-28	08-Dec-28
A1630	Permit Obtained - USACE - Section 404 Permit	0		08-Dec-28

USFWS - Endangered Species Act Compliance Consultation

Activity ID	Activity Name	Remaining Duration	Start	Finish
		280	29-May-28	22-Jun-29
A1730	Prepare Consultation Package - USFWS - Endangered Species Act Compliance	30	29-May-28	07-Jul-28
A1740	Agency (USFWS) Review - Endangered Species Act Compliance	250	10-Jul-28	22-Jun-29
A1750	Consultation - USFWS - Endangered Species Act Compliance	0		22-Jun-29

Federal Lead Agency - NEPA - Environmental Assessment

Activity ID	Activity Name	Remaining Duration	Start	Finish
		710	13-Sep-24 A	11-Jun-27
A1550	Generate Data Request - NEPA	15	13-Sep-24 A	11-Oct-24
A1560	District to Provide Data - NEPA	60	14-Oct-24	03-Jan-25
A1570	Agency/District Coordination & Refinement - NEPA	60	06-Jan-25	28-Mar-25
A2330	Initiate Consultations, Draft Letters, & Receive Agency Response - NEPA	120	31-Mar-25	12-Sep-25
A2340	Conduct Studies, Draft Baseline EA, & District Review - NEPA	120	15-Sep-25	27-Feb-26
A2350	Incorporate Comments & Submit Draft EA - NEPA	30	02-Mar-26	10-Apr-26
A2360	Action Agency Review - NEPA	120	13-Apr-26	25-Sep-26
A2370	Receive Agency Responses - NEPA	0		25-Sep-26
A2380	Respond to Agency, Revise EA, & Prepare FONSI - NEPA	60	28-Sep-26	18-Dec-26
A2390	District Review FONSI - NEPA	30	21-Dec-26	29-Jan-27
A2400	Notice of Availability of FONSI & Final EA - NEPA	45	01-Feb-27	02-Apr-27
A2410	Final Public Review Period - NEPA	30	05-Apr-27	14-May-27
A2420	FONSI Signed - NEPA	0		14-May-27
A2430	Action Agency Publishes in Federal Registry - NEPA	20	17-May-27	11-Jun-27

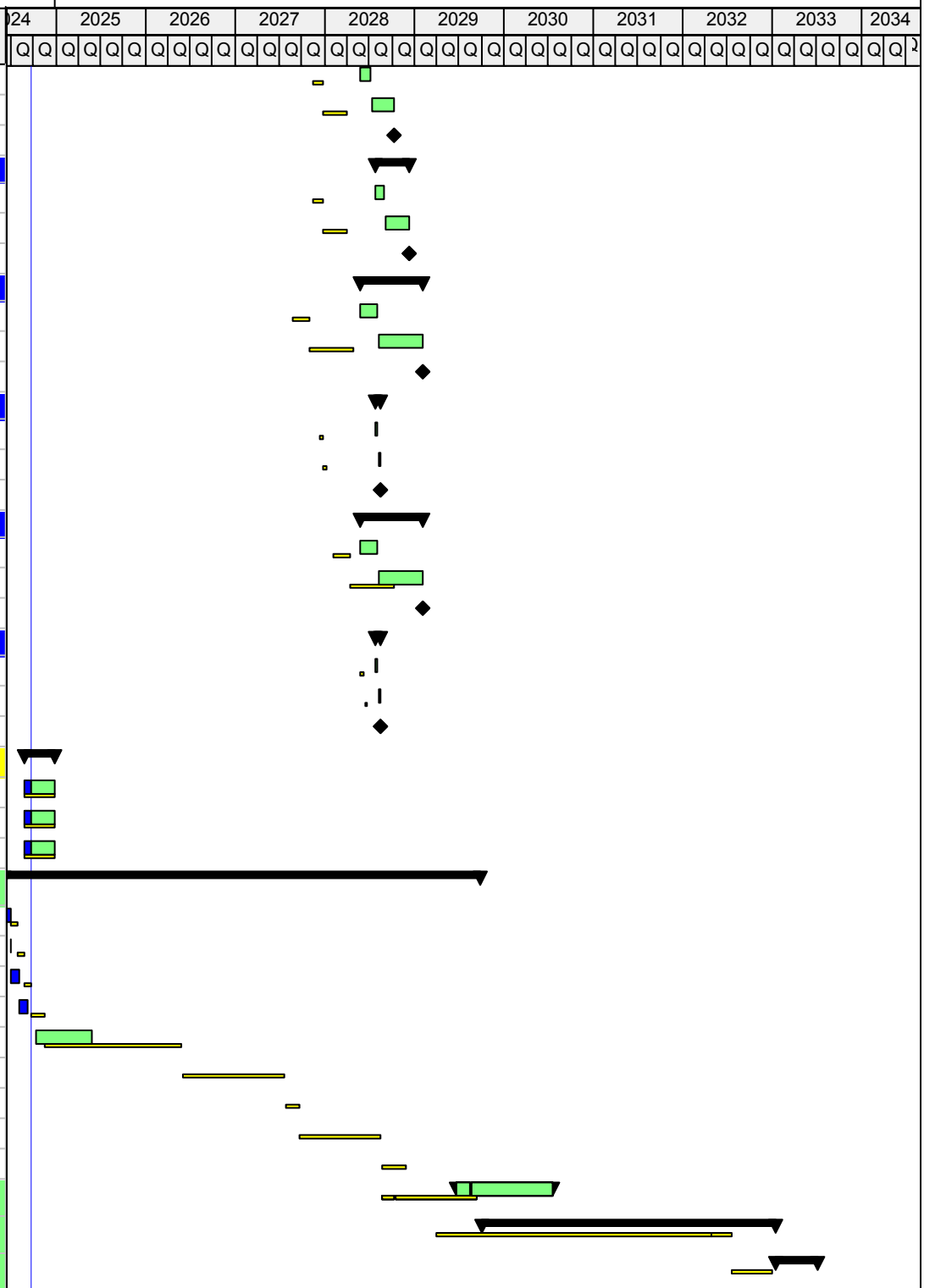


Bolts Lake Reservoir

Activity ID	Activity Name	Remaining Duration	Start	Finish	24	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
					Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
A2440	NEPA EA Process Complete & Approval Obtained	0		11-Jun-27											
State Permitting					200	29-May-28	02-Mar-29								
CDPHE - Section 401 Water Quality Cert					160	29-May-28	05-Jan-29								
A1790	Prepare Permit Application - CDPHE - Section 401 Water Qual Cert	30	29-May-28	07-Jul-28											
A1800	Agency (CDPHE) Review - Section 401 Water Qual Cert	130	10-Jul-28	05-Jan-29											
A1810	Permit Obtained - CDPHE - Section 401 Water Qual Cert	0		05-Jan-29											
CDPHE - APEN & Application for General Construction (GP03)					80	24-Jul-28	10-Nov-28								
A1820	Prepare Permit Application - CDPHE - APEN & Gen Const App	30	24-Jul-28	01-Sep-28											
A1830	Agency (CDPHE) Review - APEN & Gen Const App	50	04-Sep-28	10-Nov-28											
A1840	Permit Obtained - CDPHE - APEN & Gen Const App	0		10-Nov-28											
CDPHE - CDPS General Permit for SW Discharge & SWPPP					75	24-Jul-28	03-Nov-28								
A1850	Prepare Permit Application - CDPHE - CDPS Gen Perm for SW & SWPPP	45	24-Jul-28	22-Sep-28											
A1860	Agency (CDPHE) Review - CDPS Gen Perm for SW & SWPPP	30	25-Sep-28	03-Nov-28											
A1870	Permit Obtained - CDPHE - CDPS Gen Perm for SW & SWPPP	0		03-Nov-28											
CDPHE - CDPS General Permit for SW Discharge from Construction Dewatering					60	24-Jul-28	13-Oct-28								
A1880	Prepare Permit Application - CDPHE - CPS Gen Permit for SW Dewatering Discharge	30	24-Jul-28	01-Sep-28											
A1890	Agency (CDPHE) Review - CPS Gen Permit for SW Dewatering Discharge	30	04-Sep-28	13-Oct-28											
A1900	Permit Obtained - CDPHE - CPS Gen Permit for SW Dewatering Discharge	0		13-Oct-28											
CDPHE - CDPS General Permit for Discharge Associated with Hydro Testing					60	24-Jul-28	13-Oct-28								
A1910	Prepare Permit Application - CDPHE - CDPS Gen Permit for Hydro Testing Discharge	30	24-Jul-28	01-Sep-28											
A1920	Agency (CDPHE) Review - CDPS Gen Permit for Hydro Testing Discharge	30	04-Sep-28	13-Oct-28											
A1930	Permit Obtained - CDPHE - CDPS Gen Permit for Hydro Testing Discharge	0		13-Oct-28											
CDNR - NOI to Construct Dewatering Wells					60	24-Jul-28	13-Oct-28								
A1940	Prepare Permit Application - CDNR - NOI to Construct Dewatering Wells	30	24-Jul-28	01-Sep-28											
A1950	Agency (CDNR) Review - NOI to Construct Dewatering Wells	30	04-Sep-28	13-Oct-28											
A1960	Permit Obtained - CDNR - NOI to Construct Dewatering Wells	0		13-Oct-28											
CDOT - Driveway Access Permit					120	29-May-28	10-Nov-28								
A1970	Prepare Permit Application - CDOT - Driveway Access Permit	40	29-May-28	21-Jul-28											
A1980	Agency (CDOT) Review - Driveway Access Permit	80	24-Jul-28	10-Nov-28											
A1990	Permit Obtained - CDOT - Driveway Access Permit	0		10-Nov-28											
CDOT - Oversize/Overweight Moving Permits					20	24-Jul-28	18-Aug-28								
A2000	Prepare Permit Application - CDOT - Oversize/Overweight Moving Permits	10	24-Jul-28	04-Aug-28											
A2010	Agency (CDOT) Review - Oversize/Overweight Moving Permits	10	07-Aug-28	18-Aug-28											
A2020	Permit Obtained - CDOT - Oversize/Overweight Moving Permits	0		18-Aug-28											
CPW - Protected Species Review					200	29-May-28	02-Mar-29								
A2030	Prepare Permit Application - CPW - Protected Species Review	70	29-May-28	01-Sep-28											
A2040	Agency (CPW) Review - Protected Species Review	130	04-Sep-28	02-Mar-29											
A2050	Permit Obtained - CPW - Protected Species Review	0		02-Mar-29											
SHPO - Archaeological & Historical Review					200	29-May-28	02-Mar-29								
A2060	Prepare Permit Application - SHPO - Archaeological & Historical Review	70	29-May-28	01-Sep-28											
A2070	Agency (SHPO) Review - Archaeological & Historical Review	130	04-Sep-28	02-Mar-29											
A2080	Permit Obtained - SHPO - Archaeological & Historical Review	0		02-Mar-29											
Local Permitting					180	29-May-28	02-Feb-29								
Minturn Building Div - Building Permit					0										
Minturn Planning Div - Site Plan Review					175	29-May-28	26-Jan-29								
A2120	Prepare Permit Application - Minturn - Site Plan Review	45	29-May-28	28-Jul-28											
A2130	Agency (Minturn) Review - Site Plan Review	130	31-Jul-28	26-Jan-29											
A2140	Permit Obtained - Minturn - Site Plan Review	0		26-Jan-29											
Minturn Planning Div - Grading Permit					100	29-May-28	13-Oct-28								

Bolts Lake Reservoir

Activity ID	Activity Name	Remaining Duration	Start	Finish	24	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
					Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
A2150	Prepare Permit Application - Minturn - Grading Permit	30	29-May-28	07-Jul-28											
A2160	Agency (Minturn) Review - Grading Permit	70	10-Jul-28	13-Oct-28											
A2170	Permit Obtained - Minturn - Grading Permit	0		13-Oct-28											
Minturn Planning Div - Floodplain Permit		100	24-Jul-28	08-Dec-28											
A2180	Prepare Permit Application - Minturn - Floodplain Permit	30	24-Jul-28	01-Sep-28											
A2190	Agency (Minturn) Review - Floodplain Permit	70	04-Sep-28	08-Dec-28											
A2200	Permit Obtained - Minturn - Floodplain Permit	0		08-Dec-28											
Minturn Planning Div - 1041 Permit		180	29-May-28	02-Feb-29											
A2210	Prepare Permit Application - Minturn - 1041 Permit	50	29-May-28	04-Aug-28											
A2220	Agency (Minturn) Review - 1041 Permit	130	07-Aug-28	02-Feb-29											
A2230	Permit Obtained - Minturn - 1041 Permit	0		02-Feb-29											
Minturn Building Div - Oversize/Overweight Moving Permit		20	24-Jul-28	18-Aug-28											
A2240	Prepare Permit Application - Minturn - Oversize/Overweight Moving Permit	10	24-Jul-28	04-Aug-28											
A2250	Agency (Minturn) Review - Oversize/Overweight Moving Permit	10	07-Aug-28	18-Aug-28											
A2260	Permit Obtained - Minturn - Oversize/Overweight Moving Permit	0		18-Aug-28											
Eagle County - Planning Div - 1041 Permit		180	29-May-28	02-Feb-29											
A2270	Prepare Permit Application - Eagle County - 1041 Permit	50	29-May-28	04-Aug-28											
A2280	Agency (Eagle County) Review - 1041 Permit	130	07-Aug-28	02-Feb-29											
A2290	Permit Obtained - Eagle County - 1041 Permit	0		02-Feb-29											
Eagle County - Building Div - Oversize/Overweight Moving Permit		20	24-Jul-28	18-Aug-28											
A2300	Prepare Permit Application - Eagle County - Oversize/Overweight Moving Permit	10	24-Jul-28	04-Aug-28											
A2310	Agency (Eagle County) Review - Oversize/Overweight Moving Permit	10	07-Aug-28	18-Aug-28											
A2320	Permit Obtained - Eagle County - Oversize/Overweight Moving Permit	0		18-Aug-28											
Biological Surveys		70	26-Aug-24 A	27-Dec-24											
A2450	Wetland/Waters of the US Assessment	70	26-Aug-24 A	27-Dec-24											
A2460	Biological Resources Assessment	70	26-Aug-24 A	27-Dec-24											
A2470	Cultural Resources Survey & Report	70	26-Aug-24 A	27-Dec-24											
Engineering		1294	03-Jun-24 A	28-Sep-29											
A1510	Prepare RFP for Design Contract	0	03-Jun-24 A	27-Jun-24 A											
A1520	Advertise Design Contract	0	28-Jun-24 A	01-Jul-24 A											
A1530	Prepare Proposals for Design Contract	0	02-Jul-24 A	02-Aug-24 A											
A1540	Review Proposals and Conduct Interviews for Design Contract	0	03-Aug-24 A	05-Sep-24 A											
A1150	30% Final Design Development	164	15-Oct-24	30-May-25											
A1160	60% Final Design Development	300	05-Apr-27	26-May-28											
A1350	SEO Review - 60% Final Design	40	29-May-28	21-Jul-28											
A1170	90/100% Final Design Development	240	24-Jul-28	22-Jun-29											
A1180	OPCC & Bid Phase	70	25-Jun-29	28-Sep-29											
Procurement		280	25-Jun-29	19-Jul-30											
Construction		860	01-Oct-29	14-Jan-33											
Startup/Commissioning		120	14-Jan-33	01-Jul-33											





MEMORANDUM

TO: Boards of Directors
FROM: Diane Johnson, Communications & Public Affairs Manager
DATE: October 24, 2024
RE: Communications and Public Affairs Report

2025 rate increase outreach

The 2025 rate increase postcard arrived at Vail, Minturn, Avon, and Edwards zip code addresses starting on Oct. 11. Let us know of any feedback and how we can improve our talking points. The next communication (billing comparison) will be sent to all account holders after the 2025 rates have been approved (in November if rates are approved in October).

Safe Drug Disposal Program – National Drug Take Back Day is Oct. 26

The U.S. Drug Enforcement Administration's "[National Take Back Initiative](#)" is set for 10 a.m. to 2 p.m. Saturday, Oct. 26, when local law enforcement personnel will host collection sites at Vail Municipal Building, Walmart in Avon, and City Market in Eagle for disposal of prescription and over-the-counter medications and supplements, including controlled substances. Local agencies accept expired, unwanted, or unused pharmaceuticals that are then disposed of via an environmentally friendly incineration process. The event is free of charge and no personal information is collected.

District involvement in this program helps to protect water sources by keeping drugs out of wastewater and the landfill. For those unable to make it to the DEA Take Back Event, there are six permanent medication take back receptacles in the Eagle River valley hosted by the Vail Police Department, Avon Police Department, Eagle County Sheriff's Office, Vail Health (2), and Vail Valley Pharmacy.

Vail Farmers' Market

The 17-week market ended Oct. 6. Many thanks to the 23 different employees from nearly every department who assisted community relations staff each week and contributed to our 11th successful season. The hydration station was busy all season, dispensing Vail tap water to thousands of residents and visitors, and averaging about 2,000 interactions every Sunday, from June 16 to Oct. 6.

Digital Accessibility report

Colorado's [Rules Establishing Technology Accessibility Standards, 8 CCR 1501-11](#) took effect Jul. 1. All staff are helping the district comply with this new requirement (that will expand nationwide in 2027) by changing some routine work activities to address potential accessibility issues. Under Colorado statute, all government entities are required to produce a quarterly report on efforts that have been taken to comply with accessibility guidelines. We assembled the actions taken and staff time required to complete in our first quarterly report in early October. In addition to training staff, typical actions needed include fixing color contrasts, adding alt text, using compliant charts/graphs/tables, etc. on webpages, office software documents (e.g., word, excel, PowerPoint), PDFs, etc. For example, the entire board packet is run through software to identify issues that are then fixed. This will also be incorporated into the contracting process and will become more standard (and less time consuming) as we get to 2027. It's difficult to track the exact amount of time needed for each activity and by all individuals who are completing accessibility-related actions, but as of early October, about 200 hours of staff time have been required to successfully produce or remediate information and communication technology (ICT).

District in the news:

1. Oct. 10, Vail Daily: [Triumph Development breaks ground on new Timber Ridge Village in Vail](#)
2. Oct. 9, Vail Daily: [Column: Celebrating water and education at the Eagle River Water Festival](#)
3. Oct. 3, Vail Daily: [Bolts Lake Reservoir project moves forward, with planned 2032 completion date](#)
4. Oct. 2, Colorado Politics: [State lawmakers urge Congressional support to fund Shoshone water rights](#)

Attachments (or hyperlinks):

1. Oct. 17, Colorado Sun: [Denver's Gross Reservoir expansion violates Clean Water Act, federal judge rules](#)
2. Oct. 17, Colorado Sun: [Windy Gap Reservoir nearly crashed an aquatic ecosystem. A \\$33 million water project is undoing the damage.](#)
3. Oct. 11, Vail Daily: [Column - LaConte: Abortions and diversions](#)
4. Oct. 10, Fresh Water News: [Colorado Supreme Court "slow sip" ruling could affect city water supplies from fast-growing Greeley to Castle Rock](#)
5. Oct. 9, CPR: [Appeals court rejects lawsuit, says northern Colorado reservoir project can move forward](#)
6. Oct. 6, Colorado Sun: [All the buckets, real or imagined: How Colorado plans to store water is a big dam question.](#)

Water Myths Media Series

Five Colorado media outlets recently collaborated to produce a five-part series on water myths and misconceptions about Colorado water. The series featured the work of journalists who cover the Colorado River from Aspen Journalism, the CU Water Desk, the Colorado Sun, KUNC, and Fresh Water News. According to Heather Sackett with Aspen Journalism, the stories tackled common questions and persistent myths that recur in their reporting. The stories are listed and linked below.

1. Sept. 30, The Water Desk: [Cities in the West are booming in population. Will they need a lot more water?](#)
2. Oct. 1, KUNC: [Why don't we just fix the Colorado River crisis by piping in water from the East?](#)
3. Oct. 2, Aspen Journalism: [Colorado's water users are told 'use it or lose it.' But is the threat real?](#)
4. Oct. 3, Fresh Water News: [Myth: Cutting agricultural water use in Colorado could prevent looming water shortages. But is it worth the cost?](#)
5. Oct. 4, Colorado Sun: [Other parts of the world remove salt from water to make it drinkable. Is that possible in Colorado?](#)

Bolts Lake Reservoir project moves forward, with planned 2032 completion date

Project will begin undergoing NEPA review next month

News [FOLLOW NEWS](#) | Oct 3, 2024



Zoe Goldstein [FOLLOW](#)
zgoldstein@vaildaily.com



The Eagle River Water & Sanitation District and Upper Eagle Regional Water Authority are moving forward with plans to create the Bolts Lake Reservoir, which is slated to be completed in 2032.

Vail Daily archive

The project to create a reservoir on the [Bolts Lake Reservoir](#) site is moving forward as planned, with a tentative 2032 completion date for the potentially [\\$100 million project](#). The reservoir will be located south of Minturn, on the site of the long-drained Bolts Lake.

The Eagle River Water & Sanitation District and Upper Eagle Regional Water Authority boards received updates from the project leadership team during a joint meeting on Thursday, Aug. 22 and then again separately during their regular meetings on Thursday, Sept. 26.

The construction engineering company Black and Veatch is serving as the project manager for the project, with Ben Johnson leading the team. Johnson presented to the boards in the August meeting.

Why build a new reservoir?



When completed, the Bolts Lake Reservoir should hold up to 1,200 acre feet of water, or enough to cover 1,200 football fields in one foot of water, to serve as additional water supply due to the risk of water supply shortage in the future.

In 2020, the boards adopted a strategic reserve and system policy to guide water planning efforts and mitigate climate uncertainty.

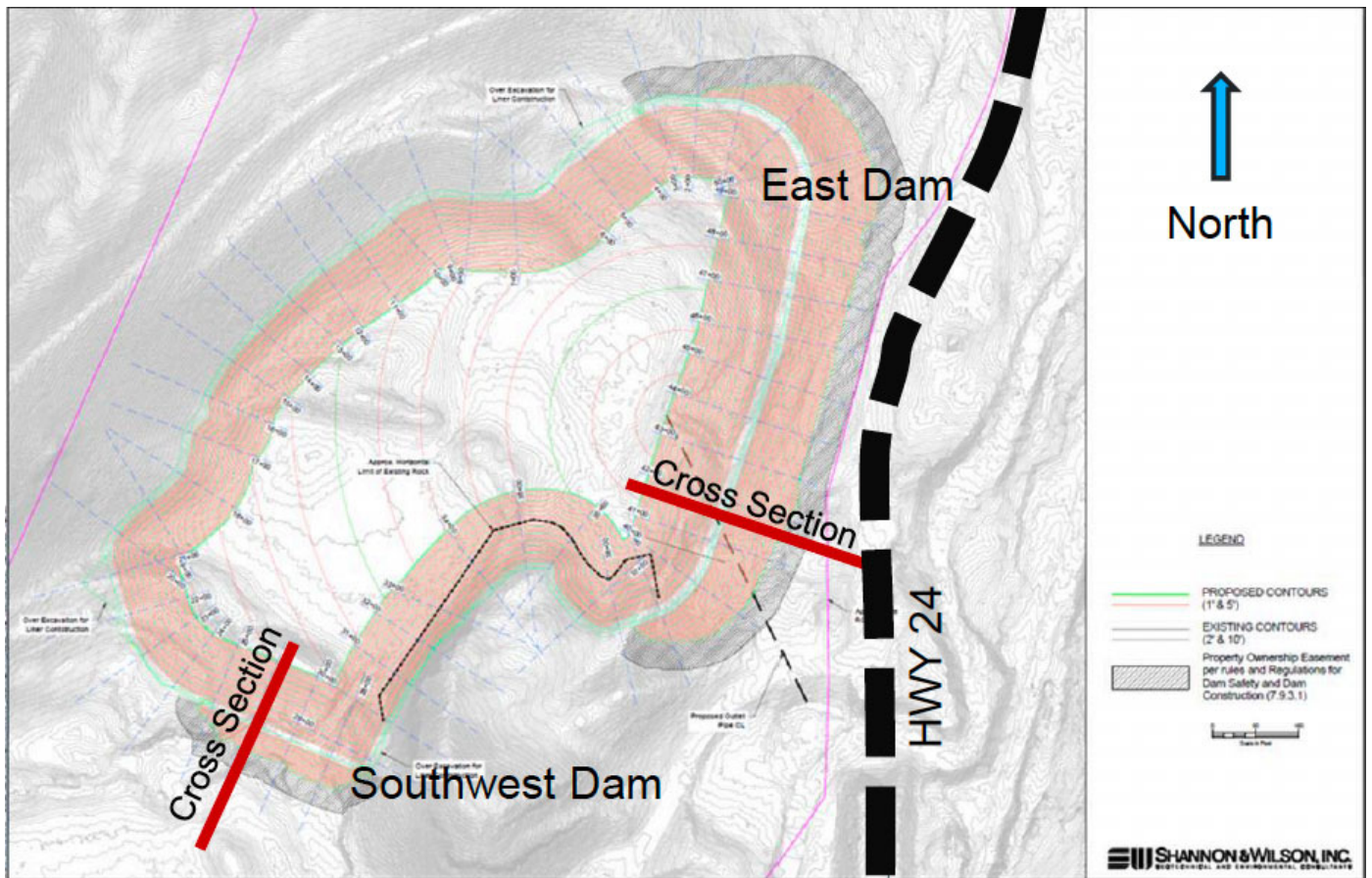
“Our previous approach to water supply was, essentially, whatever we didn’t use in a 2002-type drought was available for new service commitments. That approach didn’t really take into account the impact of a warming climate on our available supply,” or a drought worse than 2002 or consecutive drought years, said Jason Cowles, director of engineering and water resources with the water district.

In 2021, district entered into an agreement to purchase Bolts Lake from Battle North, closing on the property in 2022.

The reservoir will be fed by diverting flows from Cross Creek (1,085 acre feet per year) and the Eagle River (995 acre feet per year). Cross Creek is [located within the Holy Cross Wilderness](#), and will be transferred by a gravity feed that will parallel the original Bolts Ditch. The Eagle River diversion will need to be pumped uphill to fill the reservoir.

The Bolts Lake Reservoir will have two dams – one facing U.S. Highway 24 that will be 1,600 feet long and 55 feet high at its highest point, and a smaller, southwest-facing dam that will be 600 feet long and 30 feet tall. The material makeup of these dams is currently being assessed, with the project engineer suggesting creating an effaced dam with asphalt facing.

The reservoir will also need a liner of some kind, with the decision between a clay or a synthetic liner still yet to be determined. A clay liner would require clay to be mined and trucked through the town of Minturn.



The plan for the Bolts Lake Reservoir, which will hold 1,200 acre feet of water and is located south of Minturn, includes two dams, one facing U.S. Highway 24, and one near Tigiwon Rd.

Eagle River Water & Sanitation District/Courtesy image

Why is the project timeline so long?

Construction is slated to begin in April 2029. But many processes must be completed before construction can start. Creating a reservoir that uses federal funding and diverts an actively free-flowing water source must undergo a complex permitting, design and construction process.

The project has federal, state and local stakeholders. Federal stakeholders include the U.S. Forest Service, the Bureau of Land Management, the Bureau of Recreation and the Army Corps of Engineers. At the state level, stakeholders include the Colorado Department of Public Health and the Environment, the Colorado Department of Transportation and the State Engineer’s Office.

The first step in environmental analysis, and one of the most important for the project to progress, is for it to undergo a NEPA – National Environmental Policy Act – review, which will analyze all possible environmental impacts of the project.

Of three main kinds of reviews – categorical exclusion, environmental assessment and environmental impact statement – the Bolts Lake project will be aiming to achieve the middle option, with a finding of “no significant impacts” after a full analysis of the project and its impact mitigation measures that mitigate impact.

The size of project, the majority of the project being based on private land, the consistency with historical use and community support for the project all keep Bolts Lake in the environmental assessment category. Certain elements, like a potentially large number of trucks rolling through Minturn for a year, could push the project into the third NEPA category, but the goal is to mitigate these risks by keeping the town updated.

Field studies, including a cultural impact assessment, an assessment of the planned pump site and another of the existing flora and fauna, were completed in September, and the results should come in soon.

Last month, the project team selected the project’s design engineer, AECOM. The company’s team will prepare comparative cost estimates, evaluate everything and look at constructability to help understand the complete life cycle costs of decision. “They have a wealth of experience on their team, and you could see it in their interview,” Cowles said.

Having the project engineer team on board also allows the project to begin the NEPA process in November and start the next phase – getting to 30% design – in October.

The 30% design is “a key element,” Johnson said. Planning for this begins this month and is scheduled to culminate in May 2025. The 30% design planning is scheduled to take place simultaneously with the NEPA review to allow designers to alter the project’s impacts as they receive feedback from the review. This “allows us the flexibility to add those mitigating activities as we need to or alter the design,” Johnson said.

At the moment, the project team is looking for funding for the design work and construction permitting, which should amount to up to 25% of the project budget.

NEWS: WATER

Denver's Gross Reservoir expansion violates Clean Water Act, federal judge rules

Denver Water must now negotiate with Save the Colorado and other plaintiffs for mitigation at the massive project, with “only itself to blame,” judge says



Michael Booth

1:35 PM MDT on Oct 17, 2024



The stair-step reinforcement and raising of Gross Reservoir Dam in Boulder County, now well underway. The project is the key to Denver Water's massive expansion of the pool at Gross Reservoir, which prompted years of negotiations with Boulder County and environmental groups on mitigating impacts on surrounding land and watersheds. (Source: Denver Water)

Denver Water's permit from the U.S. Army Corps of Engineers for the ongoing expansion of Gross Reservoir violates the Clean Water Act and the National Environmental Policy Act, according to a ruling Wednesday from a U.S. District Court judge.

Senior federal judge Christine Arguello did not order Denver Water to stop construction in Boulder County, which has been underway since 2022, but said the environmental plaintiffs have a right to relief from any damage that will occur to surrounding land and forest once the dam closes and the expanded pool rises.

"To the extent Denver Water disagrees, it has only itself to blame — because Denver Water chose to proceed with construction despite the obvious risk posed by pending federal litigation," according to the ruling, in the U.S. District Court for Colorado.

Arguello ordered Denver Water to start talks with the plaintiffs, including Save the Colorado, the Sierra Club, WildEarth Guardians and others, on how to "remedy" the Corp's violations of the key environmental laws.

Denver Water said Thursday afternoon, "While we are reviewing the judge's ruling pertaining to the Record of Decision issued by the U.S. Army Corps of Engineers in 2017, Denver Water remains focused on maintaining the safety and forward progress of the project."

Because the dam includes a hydropower station that is also being built as part of the expansion, portions of the project are regulated by the Federal Energy Regulatory Commission. Denver Water noted in its statement that FERC requires completion of the dam by 2027.

"It's critical we continue with construction on schedule to ensure the integrity and safety of both the current project configuration and future dam and to meet the federally required completion deadline from FERC," Denver Water said.

The environmental coalition was quick to claim a big victory from the ruling.

"It's huge. Put that in capital letters," said Save the Colorado founder Gary Wockner in an interview. "It's a stunning victory for the Colorado River, for the people of Boulder County and Grand County," Wockner said. "Boulder County, because of where this massive project was being built, and in Grand County, because their rivers were going to be further drained. And it's a victory for the rule of law."

 **READ MORE**

Windy Gap Reservoir nearly crashed an aquatic ecosystem. A \$33 million water project is undoing the damage.

3:18 AM MDT on Oct 17, 2024

Why thousands of trees at Chatfield State Park are being cut down

4:08 AM MDT on Oct 16, 2024

Colorado Supreme Court “slow sip” ruling could affect city water supplies from Greeley to Castle Rock

4:17 AM MDT on Oct 11, 2024

“The court’s ruling in our favor is a monumental win that will help safeguard the waterways and communities of Boulder County and beyond from this irresponsible and destructive project,” said Daniel E. Estrin, general counsel and legal director for coalition partner Waterkeeper Alliance. “The Army Corps’ consideration of reasonable alternatives to Denver Water’s preferred project and its determination of the least environmentally damaging practicable alternative were fatally flawed.”

The plaintiffs were still reading the 86-page ruling and have not had time to confer on whether to seek an injunction against further construction at Gross Reservoir, or what environmental mitigations they might seek in conference with Denver Water, Wockner said.

Work crews in western Boulder County are pouring vast amounts of concrete daily to thicken the lower walls of the existing Gross dam, on their way to raising the 340-foot dam by 131 feet. The higher dam will more than double holding capacity for Gross Reservoir, while flooding surrounding forest land.

Denver Water worked for decades permitting the construction, arguing new storage was needed in Boulder County to serve northern communities, balancing the rest of Denver’s system heavily concentrated on supply and delivery south of the metro area.

Save the Colorado and various coalition partners have had success slowing or stopping dam and river alteration projects, as part of their mission to halt further diversions of western-flowing Colorado River water to Front Range water agencies and to leave more in the rivers for wildlife. Wockner noted Thursday that they have also sued over permits for the sprawling \$2 billion Northern Water effort called Northern Integrated Supply Project.

“Court precedents matter,” Wockner said, pointing to the potential impact of the Gross Reservoir ruling.

The judge said the parties should file briefs on their positions if they don’t reach an agreement by Nov. 15.

“It is ordered that counsel for all parties shall confer and attempt in good faith to reach an agreement as to remedies concerning the issues on which the Corps was not in compliance,” Arguello wrote.

This story was updated at 3:20 p.m. on Oct. 17, 2024.



MEMORANDUM

TO: Board of Directors
FROM: Brian Thompson, Government Affairs Supervisor
DATE: October 18, 2024
RE: 2025 Proposed Regular Meeting Schedule

At the Oct. 24 board meeting, staff will be seeking consensus on the 2025 Regular Board Meeting Schedule. We propose 10 regular board meetings following the same cadence as 2024. Please see the proposed 2025 regular board meeting dates in the table below:

Date	Regular Meeting Time
January 23	12:00 p.m.
February 27	12:00 p.m.
April 10*	12:00 p.m.
May 22	12:00 p.m.
June 26	12:00 p.m.
July 24	12:00 p.m.
August 28	12:00 p.m.
September 25	12:00 p.m.
October 23	12:00 p.m.
December 11*	12:00 p.m.

**meeting scheduled for second Thursday*

Meetings are scheduled for the fourth Thursday of each month except where denoted. Additional special meetings, including joint meetings with the Authority board, will be scheduled and noticed as needed.

If supported by the board, this schedule will be incorporated into the annual Resolution Designating Location to Post Notice, which the board will consider at the first meeting in 2025 pursuant to §24-6-402(2)(c), C.R.S.