



M E M O R A N D U M

TO: Board of Directors
FROM: Brian Thompson, Government Affairs Administrator
DATE: September 22, 2023
RE: September 28, 2023, 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, September 28, 2023
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
September 28, 2023
12:00 p.m.
Walter Kirch Conference Room

AGENDA

- | | <u>Attachment Link</u> |
|--|-------------------------------|
| 1. Introductions | |
| 2. Safety and Operational Awards Recognition | |
| 3. Public Comment | |
| 4. Action Items | |
| 4.1. Consideration of minutes from August 24, 2023, Special Meeting | Action Item |
| 4.2. Consideration of minutes from August 24, 2023, Special Joint Meeting with UERWA Board | Action Item |
| 4.3. Consideration of contract log | Action Item |
| 4.4. J. Res. 2023-03: Joint Resolution in Support of Bolts Ditch Act – Kristin Moseley | Action Item |
| 4.5. Res. 2023-08: Resolution Authorizing the Vacation of Easement & Acquisition of Easement – Tim Friday | Action Item |
| 4.6. Alura project water rights dedication – Micah Schuette | Action Item |
| 5. Information Reports | |
| 5.1. Development report | Informational |
| 5.2. Board committees | Informational |
| 5.3. Authority August meeting summary – draft | Informational |
| 6. Board Member Input | |
| 7. Work Session: Proposed FY 2024 Budget – Jim Cannava & David Norris | Informational |
| 8. General Manager Report – Siri Roman | |
| 8.1. GM information items | Informational |
| 8.1.1. Minturn and Battle North Settlement Agreement | Informational |
| 8.2. Business Administration report – David Norris | |
| 8.2.1. Water conservation program update – Allison Ebbets | Informational |
| 8.3. Operations report – Brad Zachman | Informational |
| 8.4. Engineering and Water Resources report – Jason Cowles | Informational |
| 8.5. Communications and Public Affairs report – Diane Johnson | Informational |
| 9. Water Counsel Report – Kristin Moseley | |
| 10. General Counsel Report – Kathryn Winn | Confidential |

11. Executive Session

- 11.1.** Motion to move into Executive Session pursuant to §24-6-402(4)(a), C.R.S., to discuss the potential purchase of real property at 101 Eagle Road, Units D1 and D2, in EagleVail;
- 11.2.** Motion to move into Executive Session pursuant to §24-6-402(4)(b), C.R.S., **Confidential** to receive legal advice regarding Colorado River Cooperative Agreement matters related to a proposed Colorado Water Conservation Board grant
- 11.3.** Motion to move into Executive Session pursuant to §24-6-402(4)(d), C.R.S., **Confidential** to discuss specialized details of cybersecurity arrangements; and
- 11.4.** Motion to move into Executive Session pursuant to §24-6-402(4)(e), C.R.S., **Confidential** to discuss matters in negotiation regarding potential lease and purchase options of Eagle Park Reservoir water

12. Any Action as a Result of Executive Session

13. Adjournment



2023 ERWSD CONTRACT LOG

Contract No.	Date Executed	Change Order Signed On	Project Name	Contractor	Contract Amt.	Project Mgr.	Account No.	Status / Description
23.15.059	09/18/23		QWEL Program Training - Fall 2023	WaterNow Alliance	\$8,576.99	A. Ebbets	10.3.9.20.30.778 & 20.19.00.85.778	Qualified Water Efficient Landscaping (QWEL) Program - Training and certification for Fall 2023.
23.15.060	08/29/23		SLI Field Data Collection	IMEG	\$85,000.00	S. Swartwout	10.3.9.20.21.772	Field collection to locate and GPS curb stops within the District water service area.
23.15.061	09/11/23		2023 Macroinvertebrate Sampling	Timberline Aquatics, Inc.	\$58,738.00	L. Cribari	10.3.9.00.35.585 & 10.3.9.00.35.590	Macroinvertebrate sampling and data gathering at various locations, sorting and identification, analysis, and summary report.
23.15.062	Pending		Avon WWTF Nutrient Upgrades - Leak Injection	Restruction	\$13,000.00	J. Schneider	10.3.2.10.03.447	Urethane injection in AWWTF Aeration Basin to stop leak.
23.15.063	Pending		Avon WWTF Nutrient Upgrades - Gate Operators Replacement	Wizard Works Security Systems, Inc.	\$14,438.00	J. Schneider	10.3.2.10.03.447	Replacement of gate operators at Avon WWTF.



1155 CANYON BOULEVARD, SUITE 110, BOULDER, CO 80302
OFFICE: 303-449-2834 FAX: 720-535-4921
SOMACHLAW.COM

MEMORANDUM

TO: Eagle River Water & Sanitation District and Upper Eagle Regional Water Authority Boards of Directors

FROM: Kristin Moseley

DATE: September 20, 2023

RE: Bolts Ditch Federal Legislation – S. 2156 and H.R. 4297 – Resolution of Support

As you know, the District and Authority boards passed a Resolution in 2022 encouraging introduction of federal legislation to allow the District and Authority to use, maintain and repair Bolts Ditch and its associated headgate within the Holy Cross Wilderness area. Now that H.R. 4297 has been introduced into the House and S. 2156 has been introduced in the Senate, legislative staff for Senator Bennett and Representative Neguse have encouraged passage of an updated Resolution citing the introduced Bolts Ditch bills. A recommended draft Resolution is attached for your consideration.

JOINT RESOLUTION 2023-03
EAGLE RIVER WATER & SANITATION DISTRICT &
UPPER EAGLE REGIONAL WATER AUTHORITY
IN SUPPORT OF THE BOLTS DITCH ACT

WHEREAS, the Eagle River Water and Sanitation District (the “District”) is a quasi-municipal corporation and political subdivision of the State of Colorado and a duly organized and existing special district pursuant to Article 1, Title 32, Colorado Revised Statutes; and

WHEREAS, the District is functionally integrated with the Upper Eagle Regional Water Authority (the “Authority”). Together they constitute the second largest municipal water provider on the west slope. The District staff operates the Authority’s water system; and

WHEREAS, the District and Authority have an integrated water system that provides municipal water and sanitation services from Vail to Wolcott; and

WHEREAS, the Town of Minturn (the “Town”) is a Colorado home rule municipality duly organized and existing under Article X of the Colorado Constitution and the Town of Minturn Home Rule Charter; and

WHEREAS, the Town is the owner of a municipal water system, which the Town operates within its municipal boundaries; and

WHEREAS, the Town’s jurisdictional boundaries are included within the District for sanitation purposes, but not for water purposes; and

WHEREAS, the District and Authority are adjudicating water rights and have purchased land within the Town in order to construct and operate a 1,200 acre-foot water storage reservoir called Bolts Lake, which will provide sustainable water supplies for the region; and

WHEREAS, the District, Authority and Town entered into an Intergovernmental Agreement, in which the District and Authority agreed to provide the Town with augmentation water supplies from Bolts Lake and other water sources to supplement the Town’s municipal water system; and

WHEREAS, the Bolts Ditch is an essential filling source for Bolts Lake, and the Town assigned its interest in the Bolts Ditch physical headgate and ditch structure to the District and Authority; and

WHEREAS, Section 1101 of Public Law 116-9, the John D. Dingell Jr. Conservation, Management, and Recreation Act, allows the Bolts Ditch to be operated within the Holy Cross Wilderness area for diversion of water and use and maintenance and repair of the Bolts Ditch and headgate, but restricts use, maintenance and repair authority exclusively to the Town; and

WHEREAS, the District, Authority and Town are seeking to expand Public Law 116-9 to include the District and Authority as additional governmental entities that may also use, maintain and repair the Bolts Ditch and its headgate; and

WHEREAS, the Bolts Ditch Act (the “Act”), introduced on June 22, 2023, in the U.S. House of Representatives by Rep. Joe Neguse and Rep. Lamborn (H.R.4297) and the U.S. Senate by Sen. Michael Bennet and Sen. Hickenlooper (S.2156), seeks to authorize the District and Authority to be eligible to use, maintain and repair Bolts Ditch and its headgate within the Holy Cross Wilderness area in Colorado.

NOW THEREFORE, be it resolved that the District and Authority hereby support the immediate passage of the Act as introduced.

INTRODUCED, READ, APPROVED, ADOPTED AND RESOLVED this ____ day of September, 2023.

EAGLE RIVER WATER & SANITATION DISTRICT

By: _____
Dick Cleveland, Chair

ATTEST:

By: _____
Robert Warner, Jr., Secretary

UPPER EAGLE REGIONAL WATER AUTHORITY

By: _____
George Gregory, Chair

ATTEST:

By: _____
Kim Bell Williams, Secretary



BOARD ACTION REQUEST

TO: Eagle River Water and Sanitation District Board of Directors
FROM: Tim Friday, Planning & Water Resources Manager
DATE: September 28, 2023
RE: Easement Vacation and Easement Acquisition at 2445/2447 Garmisch Drive

Summary of Subject: Staff recommends that the District abandon an existing access easement at 2455 Garmisch Drive (Lot 9) and 2447 Garmisch Drive (Lot 10), Vail, Colorado and acquire a replacement access easement at 2447 Garmisch Drive for accessing the West Vail Tank. The purpose of this request is to clean up a portion of the existing access easement split between two lots and consolidate it onto one lot. This action is at the request of the property owner and staff supports this request.

Discussion and Background: The District currently owns and operates a water storage tank (West Vail Tank) at 2445 Garmisch Drive. The access drive is located on easements that traverse through five (5) separate properties (see Site Map). The water line that connects this tank to the distribution system is in a separate easement and will not be impacted by this action item. The owner of 2447 Garmisch Drive (Lot 10) - Sentry Construction, Inc. – is building a new residence and agrees to grant a perpetual non-exclusive access easement and all necessary rights of way for convenient ingress and egress through Lot 10 to connect to existing easements on adjacent properties. The owner of 2445 Garmisch Drive (Lot 9) - West Vail Associates, Ltd. - will grant a license to the owner of Lot 10 to remove the existing access road on Lot 9. Sentry Construction will establish a new access road exclusively on Lot 10. The new easement will be parallel to the southerly property line of Lot 10 and will have a minimum width of eleven and one quarter feet (11.25 feet). The existing easement through the two lots meanders and has a maximum width of approximately 10 feet. Overall, this action will tidy up the existing easement agreements and consolidate them into one easement, and Sentry Construction will construct a new access road within the new easement that will be an improvement over what currently exists.

Alternatives: Keep the easement as is.

Legal Issues: The proposed easement agreement has been reviewed by the District's legal counsel and agrees that the proposed easement changes and the agreement form are acceptable.

Budget Implication: N/A

Recommendation: Staff recommends vacating the portion of easement depicted on the Proposed Easement Abandonment Exhibit Drawings, Exhibits A and B, and acquiring the replacement easement depicted in Exhibit C.

Suggested Resolution and Motion: I move to authorize staff to proceed with the easement vacation at 2455 and 2447 Garmisch Drive, Vail, Colorado and acquire the replacement easement at 2447 Garmisch Drive as proposed.

Attached Supporting Documentation:

Resolution, Site Map, Proposed Easement Vacation and Acquisition Agreement with Exhibits A, B and C, and Proposed Limited License Agreement.

EAGLE RIVER WATER AND SANITATION DISTRICT

Resolution No. 2023-08

RESOLUTION AUTHORIZING THE VACATION OF EASEMENT AND ACQUISITION OF EASEMENT

WHEREAS, the Eagle River Water and Sanitation District is a quasi-municipal corporation and political subdivision of the State of Colorado, formed and operated pursuant to Article 1, Title 32, Colorado Revised Statutes; and

WHEREAS, the Board of Directors of the District is empowered to acquire or dispose of real and personal property pursuant to Section 32-1-1001(1)(f), C.R.S., and to authorize its designees to act on its behalf; and

WHEREAS, the Board of Directors of the District has determined that the vacation of the easement described on Exhibits A and B attached hereto and the acquisition of easement described on Exhibit C and incorporated herein by this reference (“Property”) is to the public benefit, health, safety, and welfare.

NOW, THEREFORE, be it resolved by the Board of Directors of the Eagle River Water and Sanitation District that the easement Property described hereinabove shall be vacated and acquired for good and valuable consideration, and hereby authorizes the General Manager to execute any and all documents required to effect such vacation and acquisition of easements.

ADOPTED AND APPROVED this 28th day of September 2023.

EAGLE RIVER WATER AND SANITATION
DISTRICT

By: _____
Dick Cleveland, Chairman

ACCESS AND UTILITY EASEMENT AGREEMENT WITH CORRESPONDING
VACATION OF EASEMENTS BETWEEN
EAGLE RIVER WATER AND SANITATION DISTRICT
AND
SENTRY CONSTRUCTION, INC.

THIS ACCESS AND UTILITY EASEMENT AGREEMENT WITH CORRESPONDING VACATION OF EASEMENTS (“*Agreement*”) is granted on this ___ day of _____, 2023 by SENTRY CONSTRUCTION, INC., an Illinois corporation authorized to do business in the State of Colorado (“*Grantor*”), and EAGLE RIVER WATER AND SANITATION DISTRICT, (“*Grantees*” or “*District*”) (collectively the “*Parties*” and individually a “*Party*”).

RECITALS:

A. Grantor is the owner of certain real property located in Eagle County, Colorado described as:

Lot 10 ("*Lot 10*"), Block H, Vail Das Schone Filing No. 2, according to the plat recorded at Book 387, Page 451, County of Eagle, State of Colorado aka 2447 Garmisch Drive, Vail, Colorado 81657.

B. Eagle River Water and Sanitation District currently holds an Access Easement over Lot 10 recorded 10/6/2003 at Reception No. 852761, map showing Access Easement recorded 10/6/2003 at Reception No. 852762, and Easement Vacation recorded at Reception No., all in the Office of the Clerk and Recorder of Eagle County, Colorado ("*Lot 10 Access Easement*").

C. Eagle River Water and Sanitation District also currently holds an Access Easement recorded 04/23/2004 at Reception No. 874805 in the Office of the Clerk and Recorder of Eagle County, Colorado ("*Lot 9 Access Easement*") over Lots 7-9 ("*Lot 9*"), Block H, Vail Das Schone Filing No. 2, according to the plat recorded at Book 387, Page 451, County of Eagle, State of Colorado aka 2455 Garmisch Drive, Vail, Colorado 81657.

D. Grantor and Eagle River Water and Sanitation District desire to vacate the Lot 9 Access Easement as shown on **Exhibit “A”** and the Lot 10 Access Easement as shown on **Exhibit “B”** and replace the same with the Utility and Access Easement shown on **Exhibit “C.”**

NOW, THEREFORE, in consideration of the Recitals, the mutual promises contained herein and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties agree as follows:

1. **Vacation of Lot 9 and Lot 10 Access Easements.** Eagle River Water and Sanitation District, hereby vacates, abandons, conveys, and conveys via quit claim deed all of its interest to the present owner or owners the Lot 9 Access Easement and Lot 10 Access Easement.

2. **Grant of Easement.** Grantor hereby grants to the Eagle River Water and Sanitation District a perpetual non-exclusive access easement and all necessary rights-of-way (“*Easement*”) for convenient ingress and egress thereto and therefrom, by walking and passage of heavy equipment or other motorized vehicles, as may reasonably be necessary for all of these aforesaid purposes, over, under and across the following described premises, situated in the County of Eagle, State of Colorado, to-wit:

That portion of Lot 10, Block H, Vail Das Schone Subdivision, Filing No. 2, Eagle County, Colorado, as shown on **Exhibit “C”** attached hereto and incorporated herein by this reference.

3. Grantor warrants that Grantor has the lawful right to grant such Easement.

4. Eagle River Water and Sanitation District warrants that following the completion of the purpose of any entry by the Eagle River Water and Sanitation District upon said Easement for any of the aforesaid objects, the Eagle River Water and Sanitation District shall restore the premises to substantially the same condition existing at the time of the entry thereon, except for trees, shrubs, plants or other improvements thereon located or damaged thereby.

5. All provisions of this Easement, including all benefits and burdens, shall run with the land, and be binding upon and inure to the benefit of the successors and assigns of the parties hereto, subject to the provisions hereof.

6. Eagle River Water and Sanitation District warrants that at such time, and in the event the Easement described herein shall be abandoned, Grantee's real property interest in the Easement shall immediately revert to and be thereafter merged with the servient estate.

7. Grantor has the right to full use of the Easement area, including a paved driveway, provided; however, that the same shall not impede use of the Easement per this Agreement by the Eagle River Water and Sanitation District.

8. **No Waiver.** The failure of either Party to insist on strict performance of any provisions of this Agreement or to exercise any right or option available to it, or to serve any notice to or to instate any action, shall not be a waiver or a relinquishment for the future of any such provision.

9. **Recording.** Upon execution by the Parties, this Agreement shall be recorded in the records of the Eagle County Clerk and Recorder’s Office.

10. **Governing Law and Venue.** It is the intention of the Parties hereto that all questions with respect to construction and interpretation of this Agreement and the rights and liabilities of the Parties hereunder shall be determined in accordance with the laws of the State of Colorado. Venue shall be in the District Court of Eagle County, Colorado.

11. **Notice.** All notices or other communications made under this Agreement shall be in writing.

12. **Severability.** Whenever possible, each provision of this Agreement shall be interpreted in such a manner as to be valid under applicable law; provided, however, if any provision of this Agreement shall be invalid or prohibited under applicable law, such provision shall be ineffective to the extent of such invalidity or prohibition without invalidating the remaining provisions of this Agreement.

13. **Drafting.** The Parties acknowledge that this Agreement has been negotiated at arm's length and in good faith, and that each Party has been given the opportunity to be represented by independent legal counsel, and that this Agreement is the result of mutual agreement and negotiation, and shall not be deemed to have been drafted solely by any Party and the Parties hereby waive the benefit of any rule of contract interpretation or construction requiring that the same be construed against the drafting party in the event of ambiguity.

14. **Run with the Land.** All provisions of this Agreement including the benefits and burdens created hereby shall run with the land. This Agreement is made subject to any existing easements, reservations, restrictions, or rights of way.

15. **Correction Documents.** In the event any clerical or other errors are found in this Agreement, the Parties agree to promptly execute, acknowledge, initial and/or deliver as necessary any documentation to correct the erroneous document, or description.

16. **Binding Effect.** All provisions of this Agreement inure to the benefit of and are binding upon the Parties hereto, their successors, assigns and personal representatives.

17. **Modifications.** The Parties agree that any modifications of this Agreement shall be effective only when made in writing signed by both Parties and recorded with the Clerk and Recorder of Eagle County, Colorado.

18. **Entire Agreement.** This Agreement and any other documents made or given in connection herewith or therewith constitute the entire understanding and agreement between the Parties with respect to the matters provided for herein and supersedes all prior written or oral understandings and agreements between the Parties with respect thereto.

[Signatures to follow]

GRANTEE:

EAGLE RIVER WATER AND SANITATION DISTRICT

By: _____

Siri Roman

Its: General Manager _____

STATE OF COLORADO)

)ss.

COUNTY OF EAGLE)

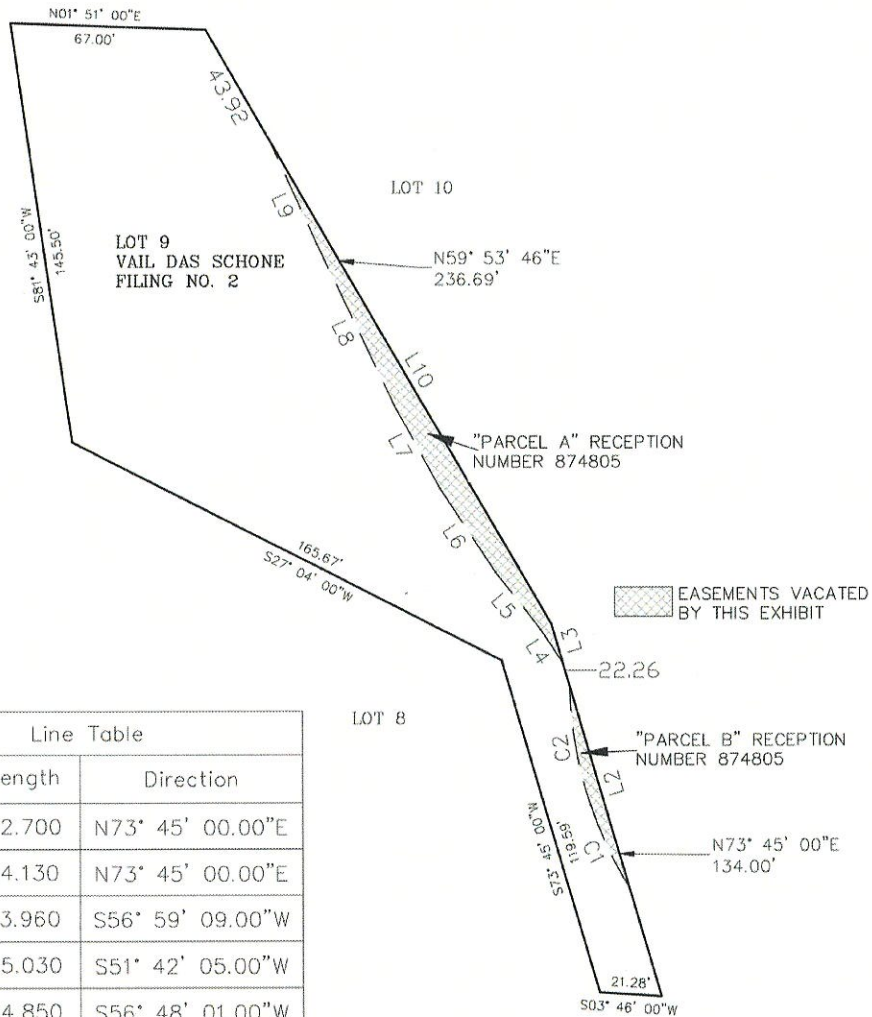
The foregoing instrument was acknowledged before me this ____ day of _____, 2023 by _____, _____ of Eagle River Water and Sanitation District.

Witness my hand and official seal.

My commission expires: _____

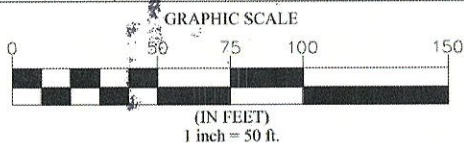
Notary Public

EXHIBIT A
VACATE ACCESS EASEMENTS
FOR LOT 9, BLOCK H, VAIL DAS SCHONE, FILING NO. 2
TOWN OF VAIL, EAGLE COUNTY, COLORADO



Line Table		
Line #	Length	Direction
L2	72.700	N73° 45' 00.00"E
L3	14.130	N73° 45' 00.00"E
L4	13.960	S56° 59' 09.00"W
L5	25.030	S51° 42' 05.00"W
L6	34.850	S56° 48' 01.00"W
L7	31.910	S61° 27' 46.00"W
L8	62.140	S64° 25' 27.00"W
L9	39.320	S65° 23' 26.00"W
L10	192.770	N59° 53' 46.00"E

Curve Table					
Curve #	Length	Radius	Delta	Chord Direction	Chord Length
C2	42.10	133.52	18.07	N80° 10' 09"E	41.92
C1	38.46	137.25	13.13	N65° 09' 45"E	31.39



NOTICE: According to Colorado law you MUST commence any legal action based upon any defect in this survey within three years after you first discovered such defect. In no event, may any action based upon any defect in this survey be commenced more than ten years from the date of certification shown hereon.

**QUENON ENGINEERING
AND SURVEYING, LLC**

P.O. Box 151
EAGLE, CO 81631
(970) 328-5117

EXHIBIT B

VACATE ACCESS EASEMENT

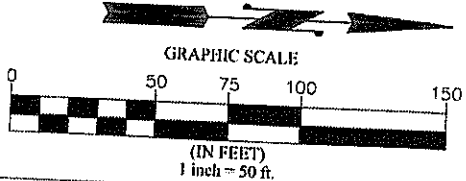
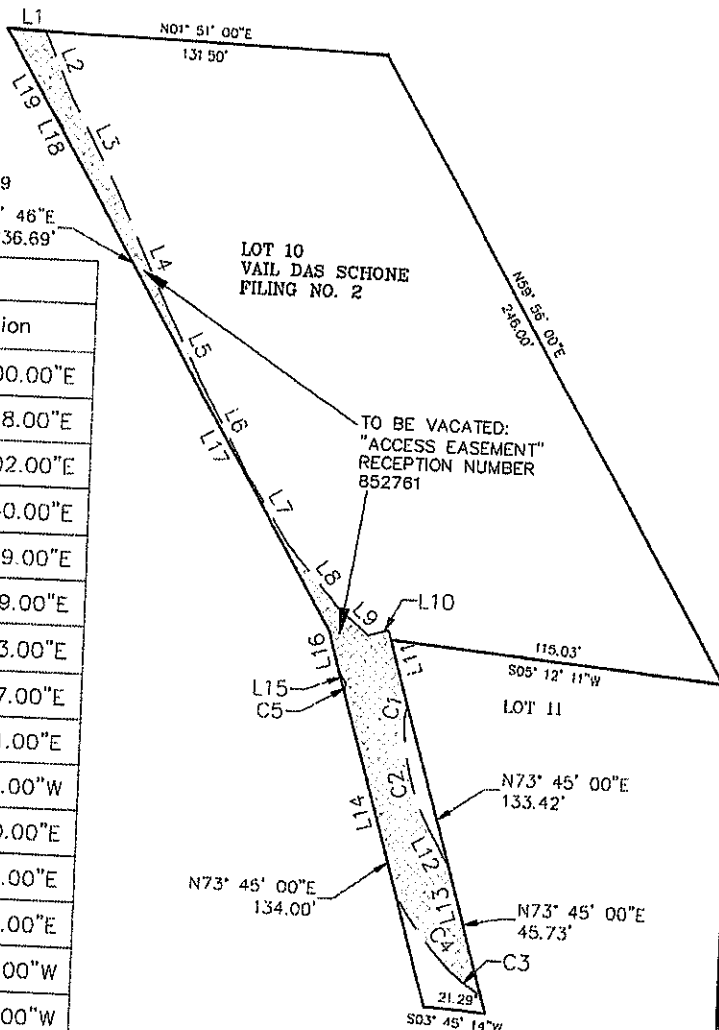
FOR LOT 10, BLOCK H, VAIL DAS SCHONE, FILING NO. 2

TOWN OF VAIL, EAGLE COUNTY, COLORADO

EASEMENT VACATED BY THIS EXHIBIT

Line Table		
Line #	Length	Direction
L1	13.080	N01° 51' 00.00"E
L2	24.310	N66° 11' 18.00"E
L3	37.600	N62° 26' 02.00"E
L4	45.000	N64° 40' 40.00"E
L5	27.160	N62° 39' 59.00"E
L6	35.530	N61° 50' 49.00"E
L7	27.470	N57° 41' 23.00"E
L8	28.870	N49° 21' 27.00"E
L9	12.970	N40° 00' 11.00"E
L10	7.300	N16° 15' 00.00"W
L11	27.210	N73° 45' 00.00"E
L12	14.020	N60° 10' 33.00"E
L13	45.730	N73° 45' 00.00"E
L14	72.700	S73° 45' 00.00"W
L15	4.190	S56° 59' 09.00"W
L16	14.130	S73° 45' 00.00"W
L17	192.770	S59° 53' 46.00"W
L18	4.750	S65° 23' 26.00"W
L19	39.190	S59° 13' 50.00"W

Curve Table					
Curve #	Length	Radius	Delta	Chord Direction	Chord Length
C1	3.91	8.28	27.03	S73° 53' 08"E	3.87
C2	41.05	83.33	28.23	N75° 28' 07"E	40.64
C3	13.57	93.87	8.28	N36° 01' 05"E	13.56
C4	31.65	137.25	13.21	N51° 59' 19"E	31.58
C5	4.29	133.52	1.84	N89° 52' 38"W	4.29

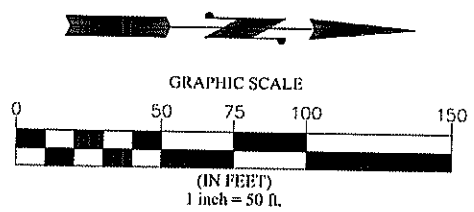
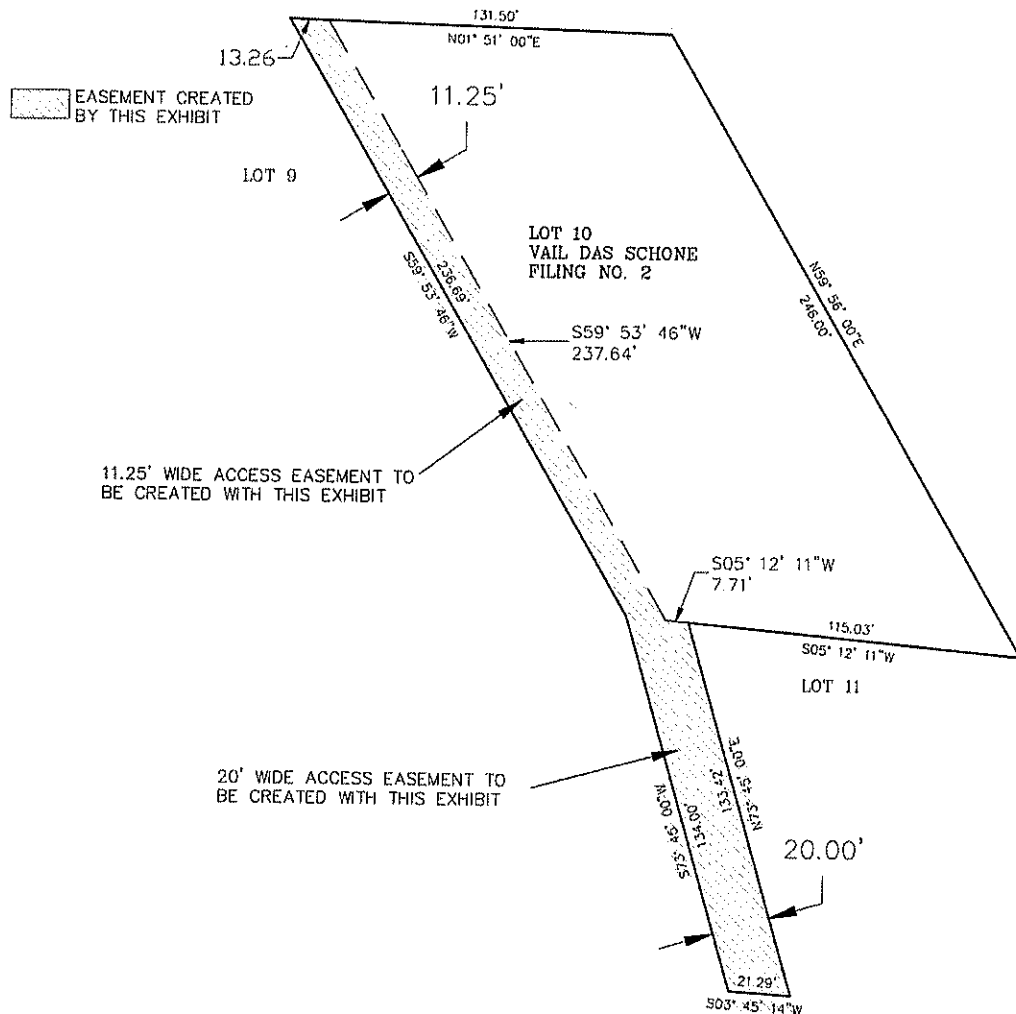


NOTICE: According to Colorado law you MUST commence any legal action based upon any defect in this survey within three years after you first discovered such defect. In no event, may any action based upon any defect in this survey be commenced more than ten years from the date of certification shown hereon.

**QUENON ENGINEERING
AND SURVEYING, LLC**

P.O. Box 151
EAGLE, CO 81631
(970) 328-5117

EXHIBIT C
ACCESS EASEMENT
 FOR LOT 10, BLOCK H, VAIL DAS SCHONE, FILING NO. 2
 TOWN OF VAIL, EAGLE COUNTY, COLORADO



NOTICE: According to Colorado law you MUST commence any legal action based upon any defect in this survey within three years after you first discovered such defect. In no event, may any action based upon any defect in this survey be commenced more than ten years from the date of certification shown hereon

**QUENON ENGINEERING
 AND SURVEYING, LLC**

P.O. Box 151
 EAGLE, CO 81631
 (970) 328-5117

LIMITED LICENSE AGREEMENT

This LIMITED LICENSE AGREEMENT (this "*Agreement*") is made to be effective as of _____, 2023 ("*Effective Date*") by SENTRY CONSTRUCTION, INC., an Illinois corporation authorized to do business in the State of Colorado (referred to as "*Lot 10 Owner*"), and WEST VAIL ASSOCIATES, LTD. A Colorado Limited Partnership (referred to as "*Lot 9 Owner*"). Lot 10 Owner and Lot 9 Owner may each be referred to hereinafter as an "*Owner*".

RECITALS:

A. Lot 10 Owner is the owner of certain real property located in Eagle County, Colorado described as:

Lot 10 ("*Lot 10*"), Block H, Vail Das Schone Filing No. 2, according to the plat recorded at Book 387, Page 451, County of Eagle, State of Colorado aka 2447 Garmisch Drive, Vail, Colorado 81657.

B. Lot 9 Owner is the owner of certain real property located in Eagle County, Colorado described as:

Lots 7-9 ("*Lot 9*"), Block H, Vail Das Schone Filing No. 2, according to the plat recorded at Book 387, Page 451, County of Eagle, State of Colorado aka 2455 Garmisch Drive, Vail, Colorado 81657.

C. Lot 9 is subject to the following easement with Eagle River Water and Sanitation District: Access Easement recorded 04/23/2004 at Reception No. 874805 in the Office of the Clerk and Recorder of Eagle County, Colorado ("*Lot 9 Access Easement*").

D. Lot 10 is subject to the following easement with Eagle River Water and Sanitation District: Access Easement recorded 10/6/2003 at Reception No. 852761, map showing Access Easement recorded 10/6/2003 at Reception No. 852762, and Easement Vacation recorded at Reception No., all in the Office of the Clerk and Recorder of Eagle County, Colorado ("*Lot 10 Access Easement*").

E. The property known as Lot 11, Block H, Vail Das Schone Filing No. 2, according to the recorded plat thereof, County of Eagle State of Colorado aka 2447 Garmisch Drive, Vail, Colorado 81657 ("*Lot 11*") is adjacent to Lot 10 and Lots 10 and 11 share access via various easement agreements including the current concrete driveway located upon Lots 10 and 11 ("*Driveway*").

F. Lot 10 is undeveloped and Lot 10 Owner intends to construct a residence upon Lot 10 ("*Lot 10 Development*"). The Lot 10 Development will include removal and certain reconstruction of the following: (w) Driveway that serves Lot 11 and Lot 10; (x) current boulder walls at Driveway entrance area; (y) current trees at Driveway entrance area; and (z) current entry columns with lights ("*Improvements*"). The Parties acknowledge that a portion of the Improvements may currently encroach upon Lot 9, including portions of the driveway, trees, and rock walls ("*Encroachments*").

G. As part of the Lot 10 Development, Lot 10 Owner desires to be granted and Lot 9 Owner desires to grant the license described herein over that portion of Lot 9 described in **Exhibit "A"**

("License Area"). In addition to the temporary uses granted Lot 10 Owner via this Agreement, the License Area will be flattened and regraded by Lot 10 Owner during the Lot 10 Development to move the Lot 9 Access Easement fully upon Lot 10 to allow for the Lot 9 Access Easement to be vacated.

NOW, THEREFORE, in consideration of the Recitals, the mutual promises contained herein and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties agree as follows:

1. License.

- a. Grant of License. Lot 9 Owner hereby grants to Lot 10 Owner a nonexclusive license over and upon the License Area during the Lot 10 Development for the Term, as defined below, for the following:
 - i. Removing the Improvements;
 - ii. Removing the Encroachments except for the rock walls which need to remain for support purposes;
 - iii. To excavate, cut, flatten, regrade, and install silt fence along the lowest area of excavation cut for revegetation purposes upon the License Area to facilitate construction of a new Driveway upon Lots 10 and 11 and to allow for the Lot 9 Access Easement to be vacated by creating a full access easement for Eagle River Water and Sanitation District over Lot 10 only;
 - iv. To place plastic construction fencing along the lot line between Lot 9 and Lot 10 and silk construction fencing around the License Area upon completion of those matters set forth in Subsections 1(a)(i)-(iii) above until the Lot 10 Development is complete.
- b. Term of License. The "**Term**" of the License shall be for the twelve (12) month period that will commence upon Lot 10 Owner providing a License Commencement Notice per the Notice provisions herein. The Term shall not exceed this twelve (12) month period unless a reasonable extension is needed due to weather impacts.
- c. Costs and Expenses. Lot 10 agrees to pay all costs and expenses related to any damages or costs that arise as a direct or proximate result of the License.
- d. Indemnification. Lot 10 acknowledges and agrees to indemnify Lot 9 from and against any legal action, claim, loss, or damage of a third party arising out of the License.
- e. Insurance. Lot 10 shall obtain and maintain general liability insurance that will include coverage for the License Area during the Term with a minimum limit of not less than \$1,000,000 per occurrence for bodily injury and property damage and \$2,000,000 in the aggregate.

3. Non-waiver/No Implied Consent. The failure by either Owner to enforce any provision, tenet or restriction herein contained shall in no event be deemed a waiver of the right to do so

thereafter. Nothing herein shall be construed as a consent to or waiver of the violation of any contractual obligation, legal requirement, law, rule, or regulation.

4. Modification; Termination. This Agreement may not be modified, amended, changed, cancelled, or terminated in any manner without the express written consent of the record the Owners.

5. Partial Invalidity. If any provision of this Agreement or any paragraph, sentence, clause, phrase or word, or the application thereof in any circumstance shall be invalidated, such invalidity shall not affect the validity of the remainder of this Agreement, and the application of the remaining provisions, paragraphs, sentences, clauses, phrases, and words shall remain in full force and effect.

6. Certain Terms Interchangeable. Whenever used herein, unless the context shall otherwise provide, the singular number shall include the plural, the plural the singular, and the use of any gender shall include all genders.

7. Entire Agreement. This Agreement contains the entire agreement and understanding of the parties with respect to the entire subject matter hereof, and there are no representations, inducements, promises or agreements, oral or otherwise, not embodied herein. Any and all prior discussions, agreements, proposals, negotiations and representations relating hereto are merged herein.

8. Counterparts. This Agreement may be executed in multiple counterparts, each of which shall be deemed an original, but all of which taken together shall constitute one and the same instrument.

9. Colorado Law. This Agreement shall be governed by and interpreted in accordance with the laws of the State of Colorado. Venue shall be proper in Eagle County.

10. Time is of the Essence. Time is of the essence in regard to the grants and rights hereunder.

11. Notice. Notices shall be in writing and provided via the email addresses set forth below and shall be deemed delivered twenty-four hours after the email is sent. An Owner may update the email address at any time per the Notice requirements if this Section.

- a. Lot 9 Owner:
- b. Lot 10 Owner: mikeyoung@mac.com

IN WITNESS WHEREOF, the parties hereto have executed this Agreement to become effective as of the date first written above.

LOT 9 OWNER: West Vail Associates, LTD. A Colorado Limited Partnership

By: _____
Its: _____

STATE OF COLORADO)
)ss.
COUNTY OF EAGLE)

The foregoing instrument was acknowledged before me this ____ day of _____, 2023, by _____ as _____ for West Vail Associates, LTD.

NOTARY PUBLIC

LOT 10 Owner: Sentry Construction, Inc., an Illinois corporation authorized to do business in the State of Colorado

By: _____
Its: President

STATE OF COLORADO)
)ss.
COUNTY OF EAGLE)

The foregoing instrument was signed before me this ____ day of _____, 2023, by Mike Young, President of Sentry Construction, Inc.

NOTARY PUBLIC

EXHIBIT A

PLAT DRAWING ATTACHED



**EAGLE RIVER
WATER & SANITATION
DISTRICT
BOARD ACTION REQUEST**

TO: District Board of Directors
FROM: Micah Schuette
DATE: September 28, 2023
RE: Alura - Vail Water Rights Dedication

Summary of Subject: Staff is requesting Board approval of a \$32,068 cash payment in lieu of a 0.49 acre-feet water rights dedication for the Alura project. This 0.49 acre-feet total reflects 120% of the net projected increase of 0.405 acre-feet of consumptive water use.

Discussion and Background: The Alura project is located at 1472 Matterhorn Cr in Vail.



Figure 1. Location of Alura Development

This redevelopment project will result in the construction of 10 new townhomes on the former Park Meadows Lodge site. The property owner has maintained and paid sewer service base rates for 26 SFEs since construction disconnect in 2014, but the site has never received water service from the district. Previous water service was provided by a commercial well that is to be abandoned during construction.

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

1. Staff is projecting water demands for 9 residential units at 300 gallons per day per SFE and 200 gallons per day for one employee housing unit. This is consistent with previous dedications in recent history and multi-family residential use within the service area.

2. Staff is utilizing the irrigation professional's projection of 95,110 gallons for outdoor water use annually on new planter beds. The landscaping plan does not include sod turf grass, and dedication requirement will be calculated at 120%.

The resulting 0.49 acre foot dedication and cash in lieu fee of \$32,068 utilizes the customary 120% dedication requirement per the District's Water Dedication Policy.

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

Budget Implication: The proposed water dedication will have a positive impact on revenues equal to the fee collected.

Recommendation: Staff recommends approval of the proposed \$32,068 cash payment in lieu of a water rights dedication of 0.49 acre-feet.

Suggested Resolution and Motion: **I move to accept a cash in lieu of water rights dedication payment of \$32,068 to cover the 0.49 acre-feet needed to satisfy the water dedication requirement for the Alura project.**

Attached Supporting Documentation:

Water Demand Worksheet – Alura – August 2023 (ERWSD Review)
Cash in Lieu Calculator 2023 – Alura

WATER DEMAND WORKSHEET



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

Project Name: Park Meadows Redevelopment
Contact Person: Franklin Boyer
Telephone: 9709040303 **Date:** 8/22/2023

Description of Proposed Project:
 Redevelopment of Park Meadows Lodge into 10 townhomes.

Location of Proposed Project (qtr qtr section, township, range, lot/filing) (attach legal description):
 Subdivision: VAILPARKMEADOWS
 ParcelNumber: 2103-124-0101-4

Total Area (square feet or acres):
 .97 acres

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

If yes, identify: _____

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

If yes, identify by water/sewer billing address:
 14722 Matterhorn Cir Vail, CO 81657

1. RESIDENTIAL INDOOR WATER DEMAND

A. Single family townhomes (number):	<input type="text" value="9"/>	
Average lot size:	<input type="text" value="0"/>	square feet
B. Average floor area of house:	<input type="text" value="3,212"/>	square feet
(inclusive of garage and unfinished basement)		
C. Greater of A or A x B / 3,000:	9.6	single family equivalents (SFEs)
D. In-house demand @ 300 GPD/SFE (C x 0.3921):	3.23	acre-feet per year
E. Employee Housing Units (number):	<input type="text" value="1"/>	
(inclusive of duplex, condominium, and apartment units)		
F. Average floor area of unit:	<input type="text" value="2,276"/>	square feet
(inclusive of garage and unfinished basement)		
G. Greater of E or E x F / 3,000:	1.0	single family equivalents (SFEs)
H. In-house demand @ 200 GPD/SFE (G x 0.2240):	0.22	acre-feet per year
I. Total In-house demand (D + H):	3.45	acre-feet per year

2. IRRIGATION WATER DEMAND

Project Name: Park Meadows Redevelopment

A. Average irrigated area per detached single family lot:	0	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	0.00	acres
3. Irrigated street ROW	0.00	acres
4. Common space	0.32	acres
5. Total other	0.32	acres
F. Total irrigated areas (2B + 2D + 2E5):	0.32	acres
G. Total irrigation demand (per Irrigation demand):	0.29	acre-feet

Describe irrigation methods (sprinkler, drip, etc.) & Type of irrigated area(s):
 Landscaped area consists of native plant types including shrubs trees and ornamental grasses. No turf lawn area.

3. OTHER OUTDOOR WATER USES

A. Pond water surface area:	0	square feet
B. Fountain water surface area:	0	square feet
C. Swimming pool:		
1. Surface area	0	square feet
2. Volume	0	gallons

4. OTHER INDOOR WATER USES

Type			Annual Requirement (acre-feet)	
A. Retail	0	square feet	0.00	0.10 gpd/sqft
B. Office	0	square feet	0.00	0.16 gpd/sqft
C. Warehouse or storage	0	square feet	0.00	0.06 gpd/sqft
D. Motel/hotel without kitchens	0	guest rooms	0.00	100 gpd/room
E. Motel/hotel with kitchens	0	guest rooms	0.00	150 gpd/room
F. Restaurant	0	seats	0.00	35 gpd/seat
G. Tavern	0	seats	0.00	20 gpd/seat
H. Other (describe)	0			

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):
 Units are plumbed for hottubs but the current plan is for those to be installed by end users.

Project Name: Park Meadows Redevelopment

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

	Demand (acre-feet)	Consumptive Use (acre-feet)
A. Indoor usage	3.45	0.17
B. Irrigation usage	0.29	0.23
C. TOTAL	3.74	0.40

APPLICANT:

Project Name: Park Meadows Redevelopment

By: franklin boyer
(Owner/Authorized Representative)

Date: 8/22/2023

DISTRICT:

Verified By: Micah Schuette
(ERW&SD Employee)

Date: 9/20/2023

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: Alura Vail - 1472 Matterhorn Circle

Wastewater treated at: Avon WWTP? (Yes or No): Yes

Component	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Residential Indoor Usage	0.29301	0.26466	0.29301	0.28356	0.29301	0.28356	0.29301	0.29301	0.28356	0.29301	0.28356	0.29301	3.45000
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	0.04	0.07	0.07	0.06	0.04	0.01	0.00	0.00	0.29188
Other Outdoor Usage													
Total Demand	0.29301	0.26466	0.29301	0.28356	0.33301	0.35356	0.36301	0.35301	0.32356	0.30301	0.28356	0.29301	3.73997
Total Consumptive Use	0.01465	0.01323	0.01465	0.01418	0.04665	0.07018	0.07065	0.06265	0.04618	0.02265	0.01418	0.01465	0.40450
Dedication Requirement @ 120%	0.01758	0.01588	0.01758	0.01702	0.05598	0.08422	0.08478	0.07518	0.05542	0.02718	0.01702	0.01758	0.48542

Cash in Lieu of Water Rights Payment:

\$32,068

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:** \$66,063 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, 2023



ERWSD New Development Report, September 2023

Project Location	Type of Use	SFEs Proposed	Additional Water Rights Required	Application Initiation Date	Development Approval Process Step:	Construction Approval Process Step:
Timber Ridge II Redevelopment	Residential	289	2.2	July 25, 2023	2. Water Analysis	1. Plan Review
Midtown Village PUD Minturn	Mixed	42 + Com		October 13, 2022	N/A	1. Plan Review
North Minturn PUD Minturn	Residential	36		October 10, 2022	N/A	0. Conceptual
Middle Creek Lot 4,5 Vail	Mixed	64	0.72	June 28, 2022	0. Conceptual	0. Conceptual
Wolcott PUD Wolcott	Mixed	360 + Com		May 11, 2022	0. Conceptual	0. Conceptual
The Residences at Main Vail Vail	Residential	72	0.81	February 11, 2021	5. Ability to Serve Letter	4. Final Acceptance
Belden Place (1200 Block Main St) Minturn	Residential	41		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
500 E Lionshead Circle - Legacy Vail	Residential	20	0.29	August 29, 2018	4. Water Rights Allocation & Service Agreement	3. Under Construction
Alura (Miradoro) Vail	Residential	10	0.83	May 29, 2018	4. Water Rights Allocation & Service Agreement	3. Under Construction
534 E Lionshead Circle - Elevation Vail	Residential	12	0.31	May 14, 2018	1. Connection Application	0. Conceptual
Booth Heights East Vail	Residential	TBD	TBD	August 23, 2017	1. Connection Application	0. Conceptual
Projects Completing Warranty Period						
3010 Basingdale (Phase II), 841/851 Main St Minturn, Red Sandstone Parking Garage, VVMC Phase II-East Wing, Vail Marriot Residence Inn						
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
Construction Approval Process Steps:	0. Conceptual		1. Plan Review	2. Plan Approval	3. Under Construction	4. Final Acceptance



UERWA New Development Report, September 2023

Project Location	Type of Use	Water Source	SFEs Proposed	Augmentation Requirement	Application Initiation Date	Development Approval Process Step:	Construction Approval Process Step:
Projects undergoing Water Rights Dedication							
Eagle River Presbetyrian Church Housing Unincorporated ECO	Residential	Unallocated	2	0.17	June 20, 2023	2. Water Analysis	0. Conceptual
Cairn's Townhomes Edwards	Residential	Unallocated	12	1.16	May 22, 2023	2. Water Analysis	0. Conceptual
Margaux PUD Edwards	Residential	Unallocated	32	3.56	October 11, 2021	3. Cond. Capacity Expires June 27, 2023	0. Conceptual
Edwards River Park PUD Edwards	Mixed	Unallocated	440+com	70.2	December 2, 2016	3. Cond. Capacity Expire December 31, 2023	0. Conceptual
Projects not requiring or that have completed Water Rights Dedication							
Eagle County - Freedom Park Project Edwards	Mixed	Berry Creek Allocated Water Rights	20 + Com	3.28	June 7, 2023	2. Water Analysis	1. Plan Review
140 W BC BVLD Hotel Avon	Residential	Avon SFE Gaurantee	79		May 16, 2023	N/A	1. Plan Review
Tract Y- Metcalf Road Avon	Residential	Avon SFE Gaurantee	53		February 16, 2023	5. Ability to Serve Letter	2. Plan Approval
CMC Student Housing (Phase I & II) Berry Creek	Residential	Berry Creek Allocated Water Rights	72		February 16, 2022	5. Ability to Serve Letter	4. Final Acceptance
Avon Dual Brand Hotel Traer Creek - Tract J	Commercial	Traer Creek Water Service Agreement	85		February 4, 2022	5. Ability to Serve Letter	3. Under Construction
ECO School District Housing Berry Creek	Residential	Berry Creek Allocated Water Rights	37		August 12, 2021	5. Ability to Serve Letter	3. Under Construction
McGrady Acres Avon	Residential	Avon SFE Gaurantee	24		August 5, 2021	5. Ability to Serve Letter	3. Under Construction
Riverfront Lot 1 Avon	Residential	Avon SFE Gaurantee	53		December 22, 2020	N/A	3. Under Construction
Maverik Gas Station Traer Creek	Commercial	Traer Creek Water Service Agreement	2.6		November 11, 2020	5. Ability to Serve Letter	4. Final Acceptance
NorthStar PUD Amendment Edwards	Commercial	Unallocated	TBD	3.7	November 3, 2020	5. Ability to Serve Letter	3. Under Construction
West End PUD Amendment Edwards	Residential	Unallocated	275	34.25	February 27, 2019	3. Cond. Capacity Expires August 12, 2023	1. Plan Review
Frontgate (CO World Resorts) Avon	Mixed	Unallocated	84	2.6	December 12, 2017	5. Ability to Serve Letter	3. Under Construction
Fox Hollow Amended PUD Edwards	Mixed	Unallocated	108	14	February 28, 2017	5. Ability to Serve Letter	3. Under Construction
Projects Completing Construction Warranty Period							
185 Elk Tract, Piedmont Apartments, Riverfront Village, Stillwater							
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
Construction Approval Process Steps:	0. Conceptual			1. Plan Review	2. Plan Approval	3. Under Construction	4. Final Acceptance



BOARD COMMITTEES

DISTRICT

Audit/Budget Dick Cleveland
Steve Coyer
*Sarah Smith Hymes

Employee Housing Steve Coyer
Rick Pylman
*Robert Warner, Jr.

Retirement Plans Robert Warner, Jr.
Siri Roman
David Norris
*Dick Cleveland

Organizational Development Robert Warner, Jr.
Dick Cleveland
*Timm Paxson

Water Quality Sarah Smith Hymes
Timm Paxson
*Steve Coyer

AUTHORITY

Audit/Budget Geoff Dreyer
George Gregory
*Mike Trueblood

JOINT

Rules and Regulations Kim Bell Williams (A)
Robert Warner, Jr. (D)
*George Gregory (A)
*Rick Pylman (D)

Water Conservation Mike Trueblood (A)
Tamra Underwood (A)
Kate Burchenal (D)
Steve Coyer (D)
*Kevin Hillgren (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**

GOVERNED BY:

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

MEMORANDUM

TO: Board of Directors
FROM: Brian Thompson, Government Affairs Administrator
DATE: September 20, 2023
RE: Summary of Authority’s August 24, 2023, Board Meeting

The following is a summary of items discussed at the Authority’s August 24, 2023, board meeting.

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

- Board committee alternates** Board committees were amended to assign directors as a backup to serve in the absence of a primary committee member, as follows: Chair Gregory to Rules and Regulations, Director Hillgren to Water Conservation; and Director Trueblood to Audit and Budget.
- Bench installation by Edwards facility** Bill Simmons, former Authority director and District board chair, will dedicate a bench in honor of his late wife, Shelley, to be installed near the Edwards Drinking Water Facility.
- Proposed 2024 budget** The proposed FY 2024 budget will be provided to board members for discussion at the Sept. 28 board meeting, earlier than previous years and before the Oct. 15 statutory deadline. The draft budget will be in the publicly available board packet.
- Eagle River Watershed Council (ERWC) Funding Request for FY 2024** ERWC Executive Director James Dilzell presented the annual funding request. ERWC is requesting the same funding as FY 2023: \$25,000 towards the Water Quality Monitoring & Assessment Program and \$25,000 towards ERWC’s general administration. This funding request will be considered during the development of the FY 2024 budget.
- Community involvement** Siri Roman reported on a wildfire/watershed meeting with Congressman Joe Neguse, the Colorado Water Congress summer conference, and upcoming presentations at the Special District Association of Colorado annual conference.
- Irrigation-Only Rate Restructure Analysis** David Norris presented a proposed restructure of variable (usage) rates for *Irrigation-Only* accounts. Per board direction, staff and members of the joint board Water Conservation committee have been evaluating the current rate structure to address inequities and make progress towards the Authority’s water conservation goals. The 383 *Irrigation-Only* accounts are only 3.8% of the total accounts, though constitute 60.55% of total consumptive use by all customers because *Irrigation-Only* accounts are exclusively outdoor use. The restructure would consolidate the current three structures into one Coverage Based structure using a multiplier based on acres of irrigated area, add year-round base rates to align with other account types, and anchor the allotment and pricing structure to targeted percentages of water needed during peak season to supplement precipitation. Modified rate structures on

Individually Metered Residential and Irrigation-Only accounts will be incorporated into the FY 2024 budget; the board will analyze remaining account types in 2024.

**Colorado Green
Business Network
(CGBN) Gold Level
Status**

Tim Friday reported on the District's completion of the requirements to achieve CGBN's gold level status and the preliminary results of the greenhouse gas (GHG) inventory, which recognized the District's operational efficiencies including reducing GHG emissions by 3,121 metric tons over the past five years.

**The following is a summary of items discussed at the Aug. 25, 2023, Joint Meeting
with the Eagle River Water & Sanitation District board of directors.**

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

**Bolts Lake project
update**

Jason Cowles and Justin Hildreth provided an update on the Bolts Lake reservoir project, which is a planned 1,200 acre-foot reservoir on private property that is meant to provide additional in-basin storage supplies necessary to serve customers while maintaining healthy river flows and building strategic reserves to mitigate against the impacts of a warming climate. They reviewed timelines for preliminary design, permitting, and construction, as well as projected expenses, grant opportunities, and water rights implications.

**Gore Creek fish kill
settlement**

Siri Roman reported on the state's \$275,000 settlement with Vail Resorts that resolves damages associated with the September 2021 fish kill incident on Mill and Gore creeks. She said staff is pleased that the outcome will provide funds to help restore the Gore Creek basin.



EAGLE RIVER
WATER & SANITATION
 DISTRICT
MEMORANDUM

TO: Board Directors

FROM: David Norris, Director of Business Administration

DATE: September 28, 2023

RE: Proposed 2024 Budget

Introduction

An effective and efficient budget proposal is one that is a team effort and a cross-collaboration from 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 2024 District and Authority budgets, the attached draft budget packet includes the staff recommended budgets for 2024.

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:

- Total Decision Items for 2024 equal 21 or \$3,685,103

Request	FTE	Operating	Capital	Total
IT – Network Administrator	1	\$201,329	\$3,000	\$204,329
Front Desk Agent from PT to FT	0.5	\$21,539		\$21,539
Cost of Living Adjustment		\$537,574		\$537,574
Merit Increase		\$374,510		\$374,510
Total	1.5	\$1,134,952	\$3,000	\$1,137,952

- Of the \$3,685,103 in decision items, 1.5 FTE are being requested and 4% COLA/3% Merit package is requested.
- Of the increases in Operating lines, the Wellness benefit proposed increase is increasing from \$500/Year to \$650/Year with 80 employees participating in the program.

- District proposed water rates:
 - Commercial, Mixed Use, Multifamily, Municipal: 3% increase
 - Individually Metered Residential:
 - Transition away from SFE multiplier on water tiers but kept on base rates.

Tier	Increase/Decrease
1	3%
2	3%
3	3%
4	-25%
5	-30%

- Wastewater rates: 20.2% increase
- Combined total increase to rates: 10.9%
- Irrigation only rates:
 - Added base rates
 - Transition to Coverage Based Irrigation Rates for all irrigation only customers.

Tier	Increase/Decrease
1	3%
2	3%
3	-20%
4	-30%
5	-28.43%

- Operating Agreement Revenue: \$8,481,648 an increase of \$1,056,648, or 14%
- To increase financial health, project from unforeseen economic events, and to supplement future bonds, a fund balance policy & investment policy will be proposed in 2023 as part of the strategic plan. Proposed fund balance target equal to 1 year of non-bonded expenses.

	Wastewater Fund	Vail Water Fund
Projected 2024 Fund Balance	23,342,035	6,437,986
Target (1 Year of non-bonded expenses)	35,692,290	9,987,694
Over/(Under)	(12,350,256)	(3,549,708)

Budget Summary

Below is a summary of the proposed 2024 budget.

(Table 1: Proposed 2024 Budget Summary)

Total Budget Comparison	Amount	\$ Change	% Change
2023 Revised Budget	72,936,667		
2023 Projection	60,058,312	(12,878,355)	-17.66%
2024 Proposed Budget	51,763,010		
2023 Projected Carryforward	9,738,399		
2024 Total Proposed Appropriated Funds	61,501,410	1,443,097	2.40%

- Operating budget increase of 9.7% over 2023 projection, and 8% over 2023 Budget

- Capital/CRP decrease 14% from the 2023 projection, 50.9% decrease from 2023 Budget
- Bond decrease 67.9% from 2023 projection, 78.2% decrease from 2023 Budget

Wastewater Budget Comparison	Amount	\$ Change	% Change
2023 Revised Budget	62,190,460		
2023 Projection	50,479,141	(11,711,319)	-18.83%
2024 Proposed Budget	41,650,316		
2023 Projected Carryforward	9,350,894		
2024 Total Proposed Appropriated Funds	51,001,211	522,070	1.03%

- Operating budget increase of 9.6% over 2023 projection, and 6.5% over 2023 Budget
- Capital/CRP decrease 18.5% from the 2023 projection, 57.7% decrease from 2023 Budget
- Bond decrease 68.7% from 2023 projection, 77.6% decrease from 2023 Budget

Vail Water Budget Comparison	Amount	\$ Change	% Change
2023 Revised Budget	10,746,207		
2023 Projection	9,579,172	(1,167,035)	-10.86%
2024 Proposed Budget	10,112,694		
2023 Projected Carryforward	387,505		
2024 Total Proposed Appropriated Funds	10,500,199	921,027	9.61%

- Operating budget increase of 10.3% over 2023 projection, and 13.8% over 2023 Budget
- Capital/CRP increase 45.3% from the 2023 projection, 7.9% decrease from 2023 Budget
- Bond decrease 84.1% from 2023 projection, 90.4% decrease from 2023 Budget

Net Income Summary

- The proposed 2024 net income is \$1,716,119, of which \$833,947 is the Wastewater Fund, and \$882,172 is the Vail Water Fund, in order to build the fund balance to reduce the reliance on Bond funding for future projects. The combined 2024 proposed CRP revenues and expenses are in balance. Debt service and Capital deficits are offset by the Operating surplus.

(Table 2: Combined Net Income Summary)

ERWSD Combined Funds Net Income			
Type	Revenue	Expense	Net
Operating	32,270,868	30,655,765	1,615,103
Housing	929,855	607,256	322,599
Debt Service	10,253,063	10,327,691	(74,628)
CRP	2,884,454	2,593,170	291,284
Capital	1,057,863	1,496,102	(438,239)
Subtotal	47,396,104	45,679,984	1,716,119
Bond Projects		6,083,026	
Total		51,763,010	

Wastewater Fund Net Income			
Type	Revenue	Expense	Net
Operating	24,492,939	23,707,145	785,794
Housing	929,855	607,256	322,599
Debt Service	8,349,540	8,339,471	10,070
CRP	1,894,260	2,067,536	(173,276)
Capital	859,643	970,882	(111,239)
Subtotal	36,526,237	35,692,290	833,947
Bond Projects		5,958,026	
Total		41,650,316	

- CRP & Capital deficits are offset by the Operating surplus

Vail Water Fund Net Income			
Type	Revenue	Expense	Net
Operating	7,787,929	6,948,619	839,309
Debt Service	1,903,523	1,988,220	(84,697)
CRP	990,195	525,634	464,561
Capital	188,220	525,220	(337,000)
Subtotal	10,869,866	9,987,694	882,172
Bond Projects		125,000	
Total		10,112,694	

- Debt service deficit due to EPRC debt service does not have a specific rate
- Debt service and Capital deficits are offset by the Operating surplus

Rate Summary

(Table 3: Proposed 2024 Water Base Rates)

Water Service Base Charge/SFE/Month				
	2023	2024	\$ Change	% Increase
Base Rate Per SFE	22.10	22.76	0.66	3.0%
Typical Use (5kgal)	17.95	18.49	0.54	3.0%
Capital Replacement Program	7.48	7.70	0.22	3.0%
Debt Service 2017 Bonds	6.44	6.37	(0.07)	-1.1%
Debt Service 2019 Bonds	2.28	2.28	-	0.0%
Base Portion of Bill/SFE/Month	56.25	57.61	1.36	2.4%

Commercial, Mixed Use, Multi-Family, Municipal/SFE/Month				
Water Usage Rates (per kgal)	2023	2024	\$ Change	% Increase
Tier 1 (0 - 6,000 gallons)	3.59	3.70	0.11	3.0%
Tier 2 (6,001 - 12,000 gallons)	6.52	6.72	0.20	3.0%
Tier 3 (12,001 - 18,000 gallons)	12.89	13.28	0.39	3.0%
Tier 4 (18,001 – 24,000 gallons)	26.86	27.67	0.81	3.0%
Tier 5 (Greater than 24,000 gallons)	40.30	41.51	1.21	3.0%

Individually Metered Residential *				
Water Usage Rates (per kgal)	2023	2024	\$ Change	% Increase
Tier 1 (0 - 6,000 gallons)	3.59	3.70	0.11	3.0%
Tier 2 (6,001 - 12,000 gallons)	6.52	6.72	0.20	3.0%
Tier 3 (12,001 - 18,000 gallons)	12.89	13.28	0.39	3.0%
Tier 4 (18,001 – 30,000 gallons)	26.86	20.15	-6.71	-25.0%
Tier 5 (Greater than 30,000 gallons)	40.30	28.21	-12.09	-30.0%

*Per board direction, the rates for individually metered residential accounts are listed above as well as the rates for all other account types and the proposed rate structures. SFE multiplier reduced to 1.0 for water use only where the multiplier will still apply to base rates.

Coverage Based Irrigation/Acre/Month*				
Irrigation Usage Rates (per kgal)	2023	2024	\$ Change	% Increase
Base Rate (per Acre)		12.77	12.77	100.0%
Tier 1 (0 - 85,000 gallons)	7.17	7.39	0.22	3.0%
Tier 2 (85,001 - 142,000 gallons)	11.24	11.58	0.34	3.0%
Tier 3 (142,001 – 170,000 gallons)	18.23	14.58	-3.65	-20.0%
Tier 4 (170,001 – 190,000 gallons)	24.41	17.09	-7.32	-30.0%
Tier 5 (Greater than 190,000 gallons)	31.23	20.92	-8.31	-28.43%

*Per board direction, transitioning all irrigation only accounts to coverage-based rates listed above and added base rate to the structure. The table above shows the tiered allotments per acre at the 2024 prices.

Temporary/Suspended Service Rates/SFE/Month				
	2023	2024	\$ Change	% Increase
Water Service Base Charge	27.25	34.87	5.46	18.57%
Wastewater Service Base Charge	33.79	42.19	8.40	24.86%
<i>Water Usage Rates</i>				
Tier 1 (0-6 kgal)	5.71	7.39	1.68	29.42%
Tier 2 (6-12 kgal)	10.74	11.58	0.84	7.82%
Tier 3 (12-18 kgal)	20.55	14.58	-5.97	-29.05%
Tier 4 (18-24 kgal)	33.03	17.09	-15.94	-48.26%
Tier 5 (more than 24 kgal)	49.55	20.92	-28.63	-57.78%

Seasonal Fire Hydrant Use				
	2023	2024	\$ Change	% Increase
Hydrant and Meter Damage Deposit	4,000	4,000	0	0%
Meter Install/Removal Fee	168	200	32	19.04%
Weekly Meter Rental Fee	143	175	32	22.37%
<i>Water Usage Rates</i>				
Tier 1 (0-9 kgal)	5.71	7.39	1.68	29.42%
Tier 2 (9-18 kgal)	10.74	11.58	0.84	7.82%
Tier 3 (18-36 kgal)	20.55	14.58	-5.97	-29.05%
Tier 4 (36-72 kgal)	33.03	17.09	-15.94	-48.26%
Tier 5 (more than 72 kgal)	49.55	20.92	-28.63	-57.78%
<i>Only available April 15 through October 15</i>				

(Table 4: Proposed 2024 Wastewater Base Rates)

Wastewater Service Base Charge/SFE/Month (\$7.13 per kgal to \$7.34 per kgal)				
	2023	2024	\$ Change	% Increase
Base Service (min charge 5 kgal)	\$35.65	36.72	1.07	3.0%
Capital Replacement Program	\$5.31	5.47	0.16	3.0%
Debt Service 2017 Bonds	\$2.77	2.75	(0.02)	-0.7%
Debt Service 2020A Bonds	\$2.74	5.13	2.39	87.2%
Debt Service 2020B Bonds	\$5.15	5.06	(0.09)	-1.7%
Debt Service 2023 Bonds	\$0.00	6.91	6.91	
Base Portion of Bill/SFE/Month	\$51.62	62.04	10.42	20.2%

Combined Water and Wastewater				
Typical customer pays per SFE/Month:	2023	2024	\$ Increase	% Increase
Vail Customer	107.87	119.64	11.77	10.9%

(Table 5: Impact Fees, Development, Inclusion, & Dedication Fees)

2024 Impact Fees								
EAGLE RIVER WATER & SANITATION DISTRICT IMPACT FEES								
CONNECTION FEE	RESIDENTIAL	COMMERCIAL - Based on Meter Size						
	Base Rate Per Square Foot	¾" 1.5 SFE	1" 2.6 SFE	1½" 5.8 SFE	2" 10.3 SFE	3" 23.0 SFE	4" 40.9 SFE	6" 92.1 SFE
ERWSD-Wastewater	5.46	18,714	32,438	72,361	128,504	286,950	510,272	1,149,049
Vail Water Subdistrict	6.29	20,210	35,030	78,144	138,774	309,883	551,053	1,240,880
The following Other Impact Fee assessment may also apply:								
ERWSD-Irrigation Water System Impact Fee	1.50 per sq. ft. of irrigation	Applies to new multi-family, open areas, new parks and commercial irrigated areas						

- Anchoring to construction costing index, the rates above are increased 7.45% in 2024.

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

2024 Development, Inclusion, & Dedication Fees		
Eagle River Water & Sanitation District	Upper Eagle Regional Water Authority	
DEVELOPMENT FEE/ DEDICATION/ DEPOSIT	RESIDENTIAL	COMMERCIAL
Inclusion Fee	1,182.00	
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	1,773.00	
Water Rights Dedication Cash-in-lieu	70,985 per consumptive acre-foot of water*	

- Anchoring to construction costing index, the rates above are increased 7.45% in 2024. The Cash-in-Lieu rate is proposed to increase 7.45% compared to 2023 in anchoring to the construction costing index.

2024 OTHER FINES AND FEES		
	2023	2024
Description	Fee/Fine	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 SFE/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	100	200
Service Turn-off fee for remodel or construction	100	100
Tampering and Unauthorized Use	5000 per violation	5000 per violation
Turn-off and Turn-on Fee for unpaid charges	150	175
Transfer of Service Fee	145	165
Account Reactivation Fee	100	125
New Connection Application Fee	150	175
Easement Encroachment Review	450	475
Variance Review	450	475
Development Approval Process	1,675	1,750
Infrastructure Acceptance Process	1,950	2,000
Waste Hauler Discharge Annual Permit Fee	200	250
Delinquent Charge (CRS 29-1-1102)	3% on past due amount	5% on past due amount
Waste Hauler Discharge Fee	0.25 per gallon (charge based on size of tank regardless of actual volume)	0.25 per gallon (charge based on size of tank regardless of actual volume)

(Table 7: Fund Balance Summary)

District Funds	WW Fund	Vail Water Fund
Beginning Balance	23,368,899	2,353,454
2023 Projection	2,164,533	3,446,490
2024 Projected Beginning Balance	25,533,432	5,799,944
2023 Carry Forward	(3,025,345)	(244,130)
2024 Contribution	833,947	882,172
2024 Projected End Balance	23,342,035	6,437,986

- The carryforward values do not include bond funds. Potential \$1.6MM in water sales are included in the 2023 Projection.
- To increase financial health, project from unforeseen economic events, and to supplement future bonds, a fund balance policy & investment policy will be proposed in 2023 as part of the strategic plan. Proposed fund balance target equal to 1 year of non-bonded expenses.

	Wastewater Fund	Vail Water Fund
Projected 2024 Fund Balance	23,342,035	6,437,986
Target (1 Year of non-bonded expenses)	35,692,290	9,987,694
Over/(Under)	(12,350,256)	(3,549,708)

Budget Overview

2023 Operational Expense Budget Forecast

The 2023 operating budget was \$28,943,091; the 2023 projected operating expenditures are \$28,488,487, for a positive expense variance (actual spending less than budget) of \$454,604, or 1.6% less than budget. The variance to budget is primarily due to supply chain issues related to meter ordering in 2023.

Note: Total expenditures include operations, outsourced services, housing, payroll, and benefits, and *exclude* any expenditures related to debt service or debt issuance as those are typically capitalized and represented in our capital budgets.

2024 Operational Expense Budget Summary

The 2024 operating budget decision item narratives describing each request are included as an attachment to this memorandum. The proposed 2024 operating budget is \$31,266,021, an increase of \$2,322,930 or 8% from the 2023 budget. As displayed below, the proposed 2024 budget by department, as it relates to 2023 budget, articulates the differences year over year. Decision items are included in the table below.

(Table 8: Department YOY Comparisons)

Department	2023 Budget	2023 Projection	2024 Proposed Budget	YOY Budget Var	% Change
Administration	2,600,337	2,285,878	1,890,039	(710,298)	-27%
Community Relations	69,411	107,538	75,720	6,309	9%
Customer Service	814,348	795,430	936,354	122,006	15%
Engineering	2,561,667	2,509,412	2,758,929	197,262	8%
Field Ops	3,122,591	3,417,764	3,552,554	429,963	14%
Finance	1,211,032	1,329,189	1,530,324	319,292	26%
Housing	921,418	763,002	1,152,416	230,998	25%
Human Resources	1,842,065	1,783,051	2,138,796	296,731	16%

IT	3,462,346	3,447,934	3,853,334	390,988	11%
Lab	1,114,697	1,146,472	1,241,876	127,179	11%
Ops Tech	1,448,610	1,479,363	1,590,771	142,161	10%
Utility Services	3,390,330	3,293,742	3,451,554	61,224	2%
Water Conservation	51,000	20,124	529,085	478,085	937%
Wastewater	3,778,864	3,785,342	3,929,734	150,870	4%
Water	2,554,375	2,324,246	2,631,536	77,161	3%
Total	28,943,091	28,488,487	31,263,021	2,319,930	8.02%

Below are notable changes from the 2023 operating budget to the proposed 2024 Operating Budget, including the decision items and excluding debt. Departments not included in the list below projected minimal increases/decreases.

Water Conservation

- Create the Water Conservation department to promote the efficient and responsible use of water resources by implementing strategies, programs, and education to ensure a sustainable water supply.

Field Ops

- Increase of 162,066, or 7% for additional positions and temps.
- Increase \$125,000 for outsourced CCTV inspections.

Information Technology

- Increase of \$393,988 or 11% for increase software and licensing expense.
- Decision Items: SharePoint Developer and Database Administrator.

Finance

- Increase of \$319,292 or 26% for billing systems team reorganization, insurance claims settled, leased real estate, and financial services.

Human Resources

- Increase of \$296,731 or 16% for property and liability insurance, PPE, and uniform expenses.
- Wellness benefit increase from \$500/Year to \$650/Year with 80 employees participating in the program. Increase of \$12,000 or 30%.

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, and then the accounts are reconciled for each preceding year once the respective costs are properly allocated to each entity. In 2023, the operations agreement was increased from \$6,750,000 to \$7,425,000. The projected need for 2024 is \$8,481,648. The intent is for rates to cover the total expenses associated with the Operating Agreement versus dipping into fund balance to cover the costs.

At the end of the fiscal year, true ups commence, and the Authority pays what is needed. Within the total budget package, there is a \$8,481,648 operations agreement request for 2024. This represents a 14% increase over 2023 due to increased operational costs.

Routine operations overhead include office and operations facilities, supplies and management overhead. Its components are generally split on payroll allocation percentage basis for the Authority and District, respectively. Personnel expenditures are based on the estimated costs for the District staff time spend on Authority operations.

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

(Table 9: UERWA Operating Agreement Historical Actuals)

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Budget	3,345,025	3,672,879	4,076,066	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	3,942,664	4,061,355	3,912,674	4,914,771	4,961,104	4,959,745	6,555,621	7,539,684	8,434,768	7,924,998	
Fund Impact	(597,639)	(388,476)	163,392	(838,705)	(881,104)	(859,745)	(1,855,621)	(2,839,684)	(1,684,768)	(499,998)	

*Increases in 2024 are primarily driven by increases in operational costs. From 2014 – 2023 the UERWA fund balance has been absorbing the overages in the budget and actuals from the Operating Agreement totaling \$10,282,348.

Overall Payroll, and Benefits

The total number of full-time employees for 2024 proposed to the District board, is 1.5. The increase of 1.5 FTE brings the full-time positions to a total of 144. Budget impacts due to FTE increases are \$255,868. While 1.5 additional FTE are being requested this budget cycle, there were needs surpassing the requested FTE for the coming year. In addition to the 1.5 FTE request, staff requested of the District board (to which the board approved), 2 off-cycle positions, one water and one wastewater operator in 2023, which impacts the total payroll and benefits costs. With a collaborative effort among the departments, the strategy was developed to concentrate on maintaining the compensation study through cost-of-living adjustments and reduce the FTE requests to allow for debt service rate increases.

- Customer Service – Front Desk Administrative Assistant Part-Time to Full-Time

- IT – SharePoint Developer and Database Administrator
- 4% Cost of Living Adjustment
- 3% Merit Increase

(Table 10: PS Decision Items)

Request	FTE	Operating	Capital	Total
IT – Network Administrator	1	201,329	3,000	204,329
Front Desk Agent from PT to FT	0.5	21,539		21,539
Cost of Living Adjustment		537,574		537,574
Merit Increase		374,510		374,510
Total	1.5	1,134,952	3,000	1,137,952

The proposed budget includes a 4% a cost-of-living adjustment (COLA), and 3% merit. The combined increase is equal to \$912,084.

Health and other benefit costs are projected to increase by 6%. 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 \$3,322,174 to \$3,521,505, for a total of \$199,331. The proposed budget includes a 75% (4.5%) / 25% (1.5%) distribution of the costs with the employee.

Total District personnel costs (salaries and benefits) for 2024 are budgeted at \$19,540,345 an increase of \$1,545,919 from the 2023 projection, or 8.6%. Of this increase, \$1,137,952 is dedicated to FTE decision items (1.5 new FTE), and the COLA/Merit package.

Capital Budget Overview

Summary

The 10-year Capital Budget Spreadsheet for 2024 and decision item narratives describing each request are included as an attachment to this memorandum. The total proposed 2024 capital, CRP, and Bond budget is \$10,172,298, made up of \$8,996,444 in Wastewater and \$1,175,854 in Vail Water projects. Of the \$10,172,298 total budget, the below articulates the following major capital projects, where the remaining projects are listed in the 10-year Appendix A: The 10-year Appendix A includes projected future project needs. Details are included in the project narrative Appendix B.

(Table 11: Major Capital Projects)

Fund Type	Project Name	2024 Budget	Total Project Budget
WW Bond Project	EWWTf Master Plan Capital Improvements	4,000,000	93,500,000
W Bond Project	Bolts Lake Reservoir	125,000	23,001,280
Capital	Land and Facility Acquisitions	0	12,000,000

WW Bond Project	VWWTF Master Plan Capital Improvements	1,000,000	11,553,008
WW Bond Project	Cascade Skier Bridge Sewer Main	500,000	3,700,000
WW Bond Project	Minturn Siphon Project	400,000	2,650,000
WW Bond Project	Field and Fleet HQ at AWWTF	0	2,000,000

In addition to 2024 requests for funding, the proposed 2024 capital budget is also comprised of projected carryforwards and returned funds from 2023. While every effort is made to accurately forecast project timing, rollovers and returned funds occur for various reasons. The major components are detailed below in Tables 12 and 2, respectively. The total carryforward is estimated to be \$9,738,399 comprised of \$9,350,894 from Wastewater projects, \$387,505 from Vail Water projects.

(Table 12: 2023 to 2024 Budget Carryforward Summary)

Fund Type	Department	Project Name	Estimated Carryforward
WW Bond Project	Wastewater	VWWTF Master Plan Capital Improvements	3,091,899
Capital	Admin/Housing	Land and Facility Acquisitions	2,552,723
WW Bond Project	Field Ops	Field and Fleet HQ at AWWTF	1,829,263
WW Bond Project	Engineering	Gore Valley Trail @ Dowd Jct. Repair	516,974
WW Bond Project	Field Ops	Dowd Junction Collection System Improve.	500,000
Capital	Field Ops	Forest Rd./Rockledge Private Sewer Replacement	302,000
WW Bond Project	Field Ops	Cascade Skier Bridge Sewer Main	150,000
W Bond Project	Water	Lower Glen Lyon Fire Flow Improvements	143,375
WW Bond Project	Wastewater	2022 WW Master Plan Update	137,415
Capital	Water	West Vail Flow Control Improvements	110,118
WW Bond Project	Field Ops	Minturn Siphon Project	100,000
Capital	Water	Water Treatment Master Plan-	91,598
CRP	Engineering	GIS Improvements	81,500
Capital	Field Ops	Hillcrest Field Operations Facility	65,422
CRP	Utility Services	Vehicle Replacement program	50,000
Capital	Water	Water System Emergency Power	16,114
		Total	9,738,399

The total returned funds are estimated to be \$4,081,818 comprised of \$3,688,253 from Wastewater Bond projects, \$179,179 from Wastewater projects, \$136,225 from Vail Water Bond projects, and \$78,161 from Vail Water projects.

(Table 13: 2023 Returned to Funds Summary)

Fund Type	Department	Project Name	Estimated Return to Fund
WW Bond Project	Wastewater	AWWTF Nutrient Upgrades	3,200,000
WW Bond Project	Utility Services	AWWTF Rooftop Solar Project	455,000
Capital	Engineering	Greenhouse Gas Inventory	100,000
W Bond Project	Ops Tech	RTU System Upgrade	86,225
Capital	Housing	District Housing Sustainability	75,000
W Bond Project	Water	N. Frontage Road Water Main Connection	50,000
Capital	Utility Services	AMI Implementation	36,474
CRP	Water	CRP-Vail Water System Repairs	35,866
WW Bond Project	Wastewater	AWWTF Fire Flow Improvements	33,253
CRP	Human Resources	CRP- Safety & Security	10,000
Total			4,081,818

Debt Service

The District issued a series 2023 Enterprise Wastewater Revenue Bond (\$47MM) to complete the Avon Wastewater Treatment Facility and fund three years of major wastewater bond projects. Based on the current wastewater master plan and the 10-year capital improvement plan a \$75MM bond will be required in 2026 to fund major wastewater bond projects including the Edwards Wastewater Treatment Facility. Nutrient standards require the EWWTF to be completed by 2029. The ongoing water master plan will inform the bond requirements for Vail Water. The construction of Bolts Lake will be the primary driver for a Vail water Bond. The construction of Bolts Lake will be the primary driver for the Vail Water bond need.

(Table 14: Bond Fund Projections)

District Bond Funds	WW Bond	Water Bond
Beginning Balance	41,692,913	(163,081)
2023 Projection	21,390,870	787,254
2024 Projected Beginning Balance	20,302,043	(950,336)
2023 Carryforward	6,325,550	143,375
2024 Budget	5,958,026	125,000
2025 Budget	9,600,000	1,350,000
2026 Budget	15,000,000	250,000
2027 Budget	29,000,000	250,000
2028 Budget	29,500,000	500,000
2028 End Balance	(75,081,533)	(3,568,711)

Housing Enterprise Fund

The Housing Fund is treated as an enterprise fund and is derived from the Wastewater total fund balance. Of the \$23,342,035 projected Wastewater fund balance, the Housing Fund has contributed \$217,449 as listed below. This fund is comprised of rental revenue from our housing

program, sales of property, and costs associated to the maintenance, upkeep, capital, and HOA costs of our properties. The Housing Program net income, and housing metrics information are provided quarterly to the board(s). The overall projected balances for 2023 and budgeted 2024 for the Housing enterprise fund are below.

(Table 15: Housing Fund Projections)

Housing	2023	2024	2025	2026
Revenue	921,768	1,134,375	1,106,122	1,327,347
Expenses	552,952	875,256	919,019	964,970
Net Income (Loss)	368,816	259,119	187,103	362,377
Beginning Fund Balance	(151,367)	217,449	476,568	663,671
Projected End Balance	217,449	476,568	663,671	1,026,048
Target	552,952	875,256	919,019	964,970
Target Over/(Under)	(335,503)	(398,689)	(255,348)	61,078

- Expense growth due to the restructuring of Administration to the Housing department
- Revenue growth due to rate increases determined by an analysis of the affordable housing market.
- 2023 Revenue includes \$140,000 sale of Buckhorn Lot.
- 2024 Revenue includes \$265,000 sales of remaining Buckhorn Lots.
- 2024 (and going forward) expenses include Personnel Services to include a full picture of the Housing Program.
- Housing Fund Targeted Fund balance as is consistent with the (to be proposed in 2023) Wastewater and Vail Water fund balance policies is equal to 1 year of expenses.

Consumer Price-Index

Past budget cycles included a memo documenting the Consumer Price Index values and its impacts to all. Consumer Price Index, CPI, is a measure of the average change over time in the prices paid by urban consumers for a market basket of consumer goods and services. Indexes are available for the U.S. and various geographic areas. While the information is informative, Denver-Aurora- Lakewood is not as representative of CPI metrics in the high mountains. Using the Bureau of Labor Statistics going forward and anchoring to Mountain-Plains information, annual increase through June 2023 compared to June 2022 is 3.7%. Projected December 2023 CPI values near 3.5% for the same region.

Decision Items*(Table 16: Decision Items)*

Department	Type	Description	FTE	FTE Amt	Operating	Capital	2024 Total
HR	Operating	3% Merit/Pay for Performance			374,510		374,510
HR	Operating	4% COLA			537,574		537,574
IT	Operating	SharePoint Developer and Database Administrator	1	198,879	2,450		201,329
IT	Capital	Dowd Junction Communication Tower				50,000	50,000
IT	Capital	Nimble Storage Replacement				590,155	590,155
IT	Capital	VMWare Enterprise Licensing			63,037	163,461	226,498
IT	Capital	Web Development Decision Item			20,000		20,000
IT	Capital	FortiSandbox Decision Item			842	26,554	27,396
IT	Capital	Cisco Phone System Decision Item				38,602	38,602
IT	Capital	ADWF Redundant HVAC				70,000	70,000
							-
Field Ops	Capital	Gooseneck Trailer				25,000	25,000
Field Ops	Capital	Jetting Truck				65,000	65,000
Field Ops	Capital	Jetting Equipment				110,000	110,000
Field Ops	Capital	Shoring Trench Box				17,500	17,500
Field Ops	Capital	Main Gore Place Waterline Improvement				100,000	100,000
OPS Tech	Capital	Well R7/Booth Emergency Power				200,000	200,000
Lab	Capital	Lab Instrument				125,000	125,000
Water	Capital	Vail Tank 4 Rehabilitation				150,000	150,000
Wastewater	Capital	EWWTf Centrifuge				135,000	135,000
Wastewater	Capital	EWWTf GT and SC Coatings				100,000	100,000
Wastewater	CRP	EWWTf Biofilter Media Replacement				400,000	400,000
Engineering	Capital	Collection System Master Plan				100,000	100,000
							-
CS	Operating	Front Desk Agent from PT to FT	0.5	21,539			21,539
Total			1.5	220,418	998,413	2,466,272	3,685,103

Decision Items Details

1. Name of Request: Merit & COLA Increases

Department: **Human Resources**

Problem or Opportunity:

The opportunity is to continue the District’s values and mission to support its employees by requesting merit increases of budgeted amount of 3% and a cost-of-living adjustment of 4%.

Merit pay, also known as pay-for-performance, is defined as a raise in pay based on a set of criteria set by the employer. This usually involves the employer conducting a review meeting with the employee to discuss the employee's work performance during a certain time period. Cost of Living Adjustment is defined as an increase to salaries that often depends on the rising cost of goods and services. The District approved the use of ECI or Employee Cost Index which is pegged at a projected 4% for local governments and lags inflation or CPI numbers.

Consequences of Problem:

Consequences of not doing this, include increased turnover, underappreciated and undervalued employees, as well as a bigger gap between market and our rates.

Proposed Solution:

Pay for performance is a great way to incentivize top performers. Historically this has been monthly review scales of 1-5 with the average score around 4. The average score of the total monthly reviews performed is then the weighted score, where average review score of 4 would equate to a 2.4% increase. 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	2024
3% Merit/Pay for Performance	374,510
4% Cost of Living Adjustment (COLA)	537,574
Totals	912,084

2. Name of Request: SharePoint Developer and Database Administrator

Department: **IT**

Problem or Opportunity:

One of our strategic goals is data driven management. We now have all of our databases (including our SCADA databases) available for data analysis in Power BI. We also have access and are starting to utilize Azure Open AI for enhanced data analysis and reporting. Additionally, through the use of Power Automate, we have been able to automate everything from contracts to invoice approval. The number of automations currently running behind the scenes is tremendous. There is much work to be done such as automating the process control spreadsheets for plant operations. Countless hours are currently being spent on these and they are one more example of how Power Automate and Power BI can be used to create additional

efficiencies in operations. The demand for these types of things has skyrocketed and we need to add another position to further our goal of data driven management. There is also a major vulnerability as there is no backup to the current position.

Consequences of Problem:

Because of the high level of automation and analytics that exists today, the existing position is a major vulnerability as there is no redundancy. If the current SharePoint Developer and Database Administrator is out of the office, there is no coverage for the organization. We have become very reliant on the reporting, analytics, and automation that is occurring behind the scenes. If a component of this breaks for any reason it puts us in a tough position. Adding redundancy to this position will benefit the District greatly over the years to come.

Proposed Solution:

Add an additional SharePoint Developer and Database Administrator to the Information Technology department.

Costs:

Source: Operating

Costs	2024	2025	2026
Salary and Benefits	198,879	198,879	198,879
Supplies	500		
Telephone/Computer/Software	4,950		
Totals:	204,329		

3. Name of Request: Dowd Junction Communication Tower

Department: IT

Problem or Opportunity:

We invested nearly \$10Million in the RTU project, a 10-year effort to upgrade network communications for our SCADA system, but also for physical and cyber security efforts. We are working through an ongoing emergency response plan and are actively improving our resiliency. Dowd Junction is the connection between the two water systems and the radio network is limited by the terrain.

Consequences of Problem:

Rented tower space is at risk for malicious attacks both physical and cyber. The electrical power is not owned by us; nor are the tower facilities themselves. It is much more secure to have our own facility.

Proposed Solution:

We are aiming to construct our own tower at the existing Dowd Communications site. The plan is to initiate geotechnical work and surveying in 2024, submit an SF-299 permit application to the US Forest Service, and a few years of permit support. Then once the permit is issued, a small ~30' tower with electrical service and potential backup power will be constructed. The design is nuanced as we must demonstrate that we will not interfere with any existing uses at the site. This is a strategic goal that reduces our system risk and improves our overall resiliency.

Costs:

Source: Capital

Costs	2024	2025	2026	2027
Design/permitting	50,000	10,000	10,000	
Design/construction				
Construction				200,000
Totals:	50,000	10,000	10,000	200,000

4. Name of Request: Nimble Storage Replacement

Department: **IT**

Problem or Opportunity:

7 of 9 of our storage arrays will be going end of life in this budget cycle. When this occurs support, software, and security updates will no longer be available to them.

Consequences of Problem:

A majority of the storage arrays which will be end of life support our industrial control environments. Without software and security updates, these devices would become vulnerable to attack. Additionally, without support, if a critical hardware or software fault occurred, we would not be able to receive any vendor support for the product.

Proposed Solution:

Replacing these 7 arrays will allow the District to continue to receive supports and security updates for a critical piece of hardware which supports our applications and infrastructure.

Costs:

Source: Capital

Costs	2024
Capital	515,155
Labor	75,000
Totals:	590,155

5. Name of Request: **VMWare Enterprise Licensing**

Department: **IT**

Problem or Opportunity:

We would like to upgrade our licensing to take advantage of DRS (Distributed Resource Scheduler) and DPM (Distributed Power Management). Currently if any one of our 66 hosts fail for any reason, any virtual machine running on that host will crash and need to be manually powered on. Hard shutdowns like this can cause many issues to the virtual servers themselves including corruption, and obviously and interruption to staff using these systems including industrial control process. DRS is a technology that when a host fails, automatically shifts all virtual servers running on the host to another host with no interruption to service. DRS also load balances all hosts to and workloads depending on available resources. DPM optimizes power consumption by placing hosts in standby mode when demand is low and powering on enough hosts when demand is high. DPM can cut power and cooling costs by as much as 20% during low utilization periods.

Consequences of Problem:

A host failure during non-business hours could have a significant impact on critical industrial processes. A failure during regular operation hours could additionally result in an interruption to key systems such as CIS, GIS, Cityworks, GreatPlains, and GE software. Without the DRS solution a significant failure could negatively impact all operations.

Proposed Solution:

Upgrade our licensing to take advantage of DRS (Distributed Resource Scheduler) and DPM (Distributed Power Management). This will ensure automated load balancing of all virtual machine workloads with automatic host redistribution during a host failure. It will also allow for better power management in all our data centers.

Costs:

Source: Bond

Costs	2024	2025	2026
Capital	163,461		
Operating	63,037	63,037	63,037
Totals:	226,498	63,037	63,037

6. Name of Request: **Web Development**

Department: **IT**

Problem or Opportunity:

We now have a secure, redesigned, and reliable website hosted with a top tier hosting provider. All content changes from here will be handled internally. Additional work on the site when it comes to programming changes or automation, will still be handled by our partner Colorado Digital. We currently do not have an operating budget for web development and would like to create one.

Consequences of Problem:

Not having a budget for web development will hinder our continued improvement and addition of automation to our website.

Proposed Solution:

- Create a budget to continue improvement and automation development of our website. This budget would start at \$20K in 2024, and \$10K each subsequent year.

Costs:

Source: Capital

Costs	2024	2025	2026	2027
Operations	20,000	10,000	10,000	10,000
Totals:	20,000	10,000	10,000	10,000

7. Name of Request: FortiSandbox

Department: **IT**

Problem or Opportunity:

For evaluation purposes we have been using the free version of FortiSandbox. The free version has many limitations, and the features are very restricted preventing us from benefitting from the solution. Implementing the paid version of this product will better help protect District systems.

Consequences of Problem:

FortiSandbox’s ability to strengthen our network security posture is invaluable. There is a threat of malicious files and threats getting to the computers of our employees, and while our AI driven antivirus system would handle them, this system can reduce that exposure drastically. Not implementing this solution forfeits another layer of our cyber security posture.

Proposed Solution:

Purchase and deploy the FortiSandbox service and update the firewalls currently using the free version to utilize the new system. Once the system is 100% operational, we would then adjust alerting, add network-based file blocks in real time, and add an integration for our employees to send in files they may not feel safe opening for a free and quick sandbox check.

Costs:

Source: Capital Operating

Costs	2024
Capital	26,554
Annual Licensing	842
Totals:	27,396

8. Name of Request: Cisco Phone System

Department: **IT**

Problem or Opportunity:

Our phone system is end of life and needs to be replaced. By moving to a cloud solution, we accomplish several objectives, the first of which is to provide a more reliable solution with regards to availability. Customer service relies on our phone system to be operational at all

times. Our current phone system has historically had a lot of issues incurring downtime, whereas a cloud solution has redundancies built in and very little downtime. The second benefit to a cloud solution is the incorporation of new technology to assist our customer service department with enhanced call analytics, as well as integrating newer telephony technologies such as AI and voice recognition.

Consequences of Problem:

Our current system is antiquated and end of life. Not replacing the existing system with a newer phone system will mean we have no support for our phone system should something fail. It also means no security patches will be available which introduces vulnerabilities into the network.

Proposed Solution:

Replace our existing system with Cisco Webex with Contact Center, the most reliable cloud phone solution available today. While the net savings to operational costs is a wash, there are cost savings in terms of lost productivity of customer service during outages, as well as maintenance time ERWSD IT staff consume supporting the current system. Another benefit is the access to current technologies such as AI and advanced phone trees.

Costs:

Source: Capital

Costs	2024
Capital	34,731
Annual Operating cost offset by current program	
Totals:	34,731

9. Name of Request: ADWF Redundant HVAC

Department: IT

Problem or Opportunity:

In 2023 a new data center was constructed at ADWF as we had outgrown our existing space. The original design was to include a single HVAC capable of handling the cooling for the entire space. This has been identified as a critical failure point without a redundant HVAC system. Our primary data center at ADWF is home to the majority of our critical business server infrastructure. There are 239 virtual servers which service both the ICS environment for the plant and water distribution, as well as the core admin servers for field ops, customer service, finance, information technology etc. All sites internet is sourced from ADWF. The equipment required to run all this puts out a substantial amount of BTU's. If the primary HVAC system ever fails, the room would overheat rapidly potentially causing catastrophic damage and rendering critical systems unavailable.

Consequences of Problem:

If the primary HVAC system was to fail the room would overheat very quickly. This could cause catastrophic and expensive damage to some of our most important server and network infrastructure. To complicate the issue the data center is outfitted with a fire suppression system. If an HVAC failure were to occur, we cannot open the door to add fans and ventilation because if a piece of equipment were to catch fire due to high temperatures the fire suppression system would deploy quickly spreading toxic gas through the area potentially causing severe injury or death.

Proposed Solution:

Install a redundant HVAC system capable of cooling the data center on its own and run them both simultaneously to eliminate the single point of failure.

Costs:

Source: Capital

Costs	2024
Capital	70,000
Totals:	70,000

10. Name of Request: **Gooseneck Trailer**

Department: **Field Operations**

Problem or Opportunity:

During distribution and collection emergency repairs at locations with narrow, tight access roads, delivery of heavy machinery with lowboy and tractor is difficult and sometimes risky. With smaller truck and gooseneck trailer, we will be able to navigate those access roads easier and safer. Furthermore, this truck -trailer set up will be useful for delivery of materials and machinery for other departments. Delivery of the heavy machinery to the emergency repair site in timely and efficient manner can be problematic. With this new set up we will be able to deliver emergency repair heavy machinery to the site faster, safer, and more efficiently. This set up will have smaller turning radius, lesser width, and it will be ready to move faster than tractor and lowboy.

Consequences of Problem:

Potential risk of damages to vehicles or property with tractor lowboy set up. Longer response time to get tractor low boy set up can delay our response time.

Proposed Solution:

Smaller truck and gooseneck trailer will improve Field Operations team’s goals: Operational Excellence – it will improve Field Ops emergency preparedness, that will further allow us to meet regulatory compliance requirements and to strategically manage our infrastructure. Customer Confidence – we will respond faster and will be able to deliver heavy machinery with less inconvenience to the customer. Climate Resiliency – smaller truck will reduce GHG emission, and faster response time will reduce water losses. Employee Culture – team’s innovative vision and embracing of new technologies and equipment will help us retain and develop our staff.

Costs:

Source: Capital

Costs	2024
Capital	25,000
Totals:	25,000

11. Name of Request: **Small Jetting Truck**

Department: **Field Operations**

Problem or Opportunity:

New equipment will allow us to improve our emergency preparedness and meet our maintenance goals. Access to a jetting truck throughout the whole maintenance season will reduce down time.

Consequences of Problem:

Reduce the ability to meet maintenance goals and to respond to emergencies in timely manner, increasing the risk of SSO. Increased cost of maintaining existing small jetter.

Proposed Solution:

A smaller jetter will improve Field Operations team operations: Operational Excellence – it will improve Field Ops emergency preparedness, that will further allow us to meet regulatory compliance requirements and to strategically manage our infrastructure. Customer Confidence – we will respond faster and prevent SSO and hence protect our water sources. Climate Resiliency – smaller truck will reduce GHG emission, and faster response time will reduce SSO risk and hence protect our water source. Employee Culture – team innovative vision and embracing of new technologies and equipment will help us retain and develop our staff.

Costs:

Source: Capital

Costs	2024
Truck	65,000
Jetting Equipment	110,000
Totals:	175,000

12. Name of Request: Trench box Shoring

Department: **Field Operations**

Problem or Opportunity:

Opportunity to improve our safety preparedness for trenching. There is always room to improve trenching safety. More importantly, FO operators like using new system as it is easy to assemble.

Consequences of Problem:

Slower emergency repairs response time can result in greater length of service outage.

Proposed Solution:

New trench shield/box components improve Field Operations team: Operational Excellence – it will improve Field Ops emergency preparedness, that will further allow us to meet regulatory compliance requirements and to strategically manage our infrastructure. Customer Confidence – we will respond faster and will be able to excavate safer. Climate Resiliency – faster response time will reduce water losses and reduce SSO. Employee Culture – improving safety culture will help us retain and develop our staff.

Costs:

Source: Capital

Costs	2024
Additional trench box parts that will allows us to build 4 sided 4' x 4' trench box	17,500
Totals:	17,500

13. Name of Request: **Main Gore Place Watermain Improvements**

Department: **Field Operations**

Problem or Opportunity:

A costly emergency repair was implemented in winter 2020 with approximately 36 LF of pipe being replaced for approximately \$300,000. The repair revealed several issues on the 6” pipeline that is smaller than our minimum specified size of 8”. High Groundwater, close proximity to the sewer main, and advanced pipe corrosion due to corrosive soils were all apparent. Recently, a corrosion issue occurred on the private side of a service line to one of the condominium buildings. In response to the break, design funds were appropriated from another Vail Water account to begin design, and we are currently at the 60% design level, with potholing and geotechnical engineering planned for this fall. Due to tight Vail Water budgets and other priorities, we are seeking to schedule the construction phase in 2025 to allow for complete design and likely partnership with the HOA for service line replacements.

Consequences of Problem:

What was left in the ground after the emergency repair was in poor condition therefore it is believed that another leak and emergency repair could happen. Planned improvements are always less expensive and smoother than emergency ones. This is a priority for the Field Operations department, and we are excited to reduce the risk of the water system with this project.

Proposed Solution:

A new water main, likely with HDPE or other corrosion-proof material is proposed. Along with this, one of the two water mains will be decommissioned, reducing the overall linear feet of pipeline and the associated risk. The project is at the 60% design level currently, but plenty of time is needed to develop the proper approach to this difficult, complicated project in a tough area.

Costs:

Source: Capital

Costs	2024	2025
Design	100,000	
Design/permitting		
Design/construction		
Construction		1,100,000
Totals:	100,000	1,100,000

14. Name of Request: **R7/Booth Emergency Power**

Department: **OTS**

Problem or Opportunity:

R7/Booth has a lack of redundant utility feed aka the power is not on a looped system, making an extended outage more likely. An outage in Winter 2022 led to the inability for us to haul a mobile generator to the site due to icy conditions on steep roads at Inline/Booth BPS Pin and sleeve connection. Roadway snow removal makes the pin and sleeve connection at R7 nearly impossible to reach. These issues make the site an excellent candidate for on-site power generation, likely with natural gas.

Consequences of Problem:

Extended power outages could lead to low tank levels and water supply issues in East Vail. This occurred in Winter 2022 and the Gore Valley Plant needed to be started up to supply water to the area. This resulted in safety concerns such as chaining up large truck to haul generator in winter and access to Gore Valley.

Proposed Solution:

Install on site power generation at two facilities, a combined Inline/Booth BPS and treatment generator, located on our treatment facility site, and one at R7 production sites. Challenges include other utilities and permitting/design review challenges at R7, specifically. A small utility screening building or other structure will likely be required. Is classified as an OTS project but would be a collaborative effort between multiple departments: Engineering, Water, OTS, Field Ops, IT, etc.

Costs:

Source: Capital

Costs	2024	2025
Design	200,000	
Design/permitting		
Design/construction		
Construction		2,500,000
Totals:	200,000	2,500,000

15. Name of Request: **Lachat Instrument**

Department: **Laboratory**

Problem or Opportunity:

We received a letter dated January 2020, stating that HACH will discontinue the Lachat. Spare parts and service is available until the end of 2024. We need to replace this instrumentation with something that will analyze the same parameters. Sending samples out 3 times per week is not cost effective.

Consequences of Problem:

Sending samples out 3 times per week is costly. We would not have real time data needed for process changes to help ensure permit compliance. We could no longer accept these types of samples from external customers which is a source of revenue.

Proposed Solution:

Purchase FIA analyzers to replace the Lachat. To meet operational excellence, we need to have the instrumentation to produce real time data and meet regulatory compliance. This data is critical to permitting. It boosts customer confidence knowing samples can be delivered to our lab and excellent QA/QC procedures are followed to provide accurate data to permittees.

Costs:

Source: Capital

Costs	2024
FIA ALYZER-1000	45,337
FIA ALYZER-2000	69,015
Totals:	114,352

16. Name of Request: **Vail Tank 4 Rehabilitation**

Department: **Water**

Problem or Opportunity:

Concrete spalling, sand, gravel, and a potential structural deficiency in the tank. Poor access, staging, etc. Separated overflow pipe. Does not meet current CDPHE design standards (one hatch, vent, overflow capacity, etc.). Largest storage in the Core Vail zone (1MG)

Consequences of Problem:

Life cycle replacement and bringing critical infrastructure to current design standards. A failure of the tank could have public health and safety impacts and tank downtime could have water delivery concerns for critical customers in the vail core zone.

Proposed Solution:

A comprehensive tank rehabilitation addressing overflow and venting concerns, sanitary issues, and most importantly, structural, and concrete improvements that would allow for a significant life cycle extension.

Costs:

Source: Capital

Costs	2024	2025
Design	150,000	
Design/permitting		
Design/construction		
Construction		2,000,000
Totals:	150,000	2,000,000

17. Name of Request: EWWTF Centrifuge

Department: **Wastewater**

Problem or Opportunity:

A sludge management pinch point exists at the EWWF due to no spare centrifuge(s) being available. The requested equipment would allow for seamless biosolids production if/when one of the two existing centrifuges were to go down/become inoperable.

Consequences of Problem:

If one or both existing centrifuges becoming inoperable, normal plant operations would have to cease, or an expensive sludge hauling regimen would have to be implemented to transport the material to the front range.

Proposed Solution:

The proposed solution is to purchase a spare centrifuge. This would bolster emergency preparedness and increase the District’s ability to maintain regulatory compliance.

Costs:

Source: Capital

Costs	2024
Centrifuge & Installation	135,000
Totals:	135,000

18. Name of Request: EWW GT, SC Coatings

Department: **Wastewater**

Problem or Opportunity:

This project would take care of re-coating the existing Gravity Thickeners and Secondary Clarifiers at EWWTF. This item was identified in the current Master Plan Condition Assessment. The current weirs are corroded and in need of urgent replacement.

Consequences of Problem:

If this project is not completed, degradation will continue, making repairs likely more costly down the road. Degradation could continue to the point of units becoming un-operable and thus losing system redundancy/operability.

Proposed Solution:

Rather than replacing major components of the Gravity Thickeners or Secondary Clarifiers, useful life of this equipment can be extended by re-coating. This is a smaller expense than would likely be incurred by waiting and having to perform more significant repairs in the future.

Costs:

Source: Capital

Costs	2024	2025
Design	100,00	
Construction		900,00
Totals:	100,00	900,00

19. Name of Request: EWW Biofilter Media Replacement

Department: **Wastewater**

Problem or Opportunity:

Odor control is a sensitive topic and a potential public perception issue at Edwards WWTF. We're likely going to go to voters to approve a GO Bond tax increase to finance a major capital project for nutrient compliance and keeping the odors under control is important. This is a life cycle recurring expense. Another option would be to defer the work to the large project which would delay the replacement (decreasing effectiveness of odor control) and add costs.

Consequences of Problem:

Risk of odor control breakthrough without media replacement resulting in potential odor complaints. Odor complaints distract WW operations teams from their day-to-day duties.

Proposed Solution:

Replacement of media with new, longer-life inorganic media should provide robust odor treatment for the next 20 years.

Costs:

Source: Capital

Costs	2024
Centrifuge & Installation	400,00
Totals:	400,00

20. Name of Request: Collection System Master

Department: **Engineering**

Problem or Opportunity:

A master plan is needed to address the aging infrastructure and potential capacity issues in the collection system. A topographic survey was completed from the Vail WWTF to the Edwards WWTF and in-house modeling will be conducted as a baseline for the report. Our WWTF discharge permits contain requirements to identify and reduce I&I, further reinforcing the need for a master plan.

Consequences of Problem:

Reduced ability to accurately plan for capacity and collections systems repairs and improvements with a data-based process.

Proposed Solution:

Master planning including hydraulic modeling, condition assessment, inflow and infiltration (I & I) study, and capital planning to address the future capacity and projects in the wastewater collection system. The project is well underway with extensive field surveying of the collection system, early infrastructure recommendations and flow metering data received.

Costs:

Source: Capital

Costs	2024
Centrifuge & Installation	100,00
Totals:	100,00

21. Name of Request: Front Desk Administrative Assistant: PT to FT

Department: **Customer Service**

Problem or Opportunity:

Currently this program has .50 FTE on the books, the District does not have many administrative aide positions, and therefore over time, administrative tasks have been reassigned across a variety of functions. The District needs some administrative aide and is requesting .50 FTE to make 1.0 full-time work to continue to support the team and other departments as needed. The Finance department has a seasonal work budget and .50 FTE for 2023 that would be shifted to this line to accommodate the request.

Consequences of Problem:

Some of the mentioned work would not be able to be accomplished.

Proposed Solution:

The additional FTE would help departments be more efficient with administrative and system tasks allowing for increased work product.

Costs:

Source: Capital

Costs	2024
Operations	21,539
Totals:	21,539

Appendix A: 10-Year Capital Plan

Appendix B: Capital Project Narratives

Appendix C: Line-Item Detail

Appendix D: Organizational Chart

Appendix E: Operating Agreement with Authority

Appendix F: Minturn Billing Agreement

Appendix A: 10-Year Capital Plan

ERWSD General 10-Year Capital Plan																	
Account/Project Name	Department	Project Type	2023 Revised Budget	2023 Projection	Carry Forward	Project Total	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget	2029 Budget	2030 Budget	2031 Budget	2032 Budget	2033 Budget	2034 Budget
10-1-2-00-45-106 CRP-GIS Improvements	Engineering	CRP	81,500	-	81,500	-	-	-	-	-	-	-	-	-	-	-	-
10-3-2-00-20-102 CRP-Locators & Correlators	Field Ops	CRP	15,000	10,669	-	10,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000
10-1-2-00-45-124 CRP-Desktop/Laptop Improvement Upgrade	IT	CRP	160,000	54,125	-	163,000	160,000	160,000	160,000	160,000	160,000	160,000	160,000	160,000	160,000	160,000	160,000
10-1-2-00-45-109 CRP-Server & Network Improvements	IT	CRP	150,000	86,176	-	50,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
10-1-2-00-45-128 CRP- Low Voltage Wiring	IT	CRP	70,000	65,375	-	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000
10-1-2-00-45-112 CRP-Software/Licensing	IT	CRP	-	32,000	-	-	-	-	-	-	-	-	-	-	-	-	-
10-1-2-00-45-105 CRP-Cityworks-Comp Maint Mgt Sys (CMMS)	IT	CRP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10-1-2-00-45-100 CRP-SharePoint-Enterprise Content Mgt Sys (ECMS)	IT	CRP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10-1-2-00-45-200 CRP-Portable Radio Upgrade	IT	CRP	-	-	-	25,000	-	-	-	-	-	-	-	-	-	-	-
10-1-2-00-45-137 CRP-GPS Unit Replacement	IT	CRP	-	-	-	-	-	40,000	-	-	-	-	-	50,000	-	-	-
10-1-2-00-45-108 CRP-Website Improvements	IT	CRP	-	-	-	30,000	-	-	-	-	-	-	-	-	-	-	-
10-1-2-00-45-139 CRP-ADWF Server Room Project	IT	CRP	69,262	69,262	-	-	-	-	-	-	-	-	-	-	-	-	-
10-1-2-00-45-125 CRP-Printers Improvement Upgrade	IT	CRP	10,000	8,259	-	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
10-1-2-00-45-138 CRP Wireless AP Upgrade	IT	CRP	14,882	14,882	-	-	-	-	-	-	-	-	-	-	-	-	-
10-1-2-00-45-121 CRP-GP Upgrade Finance Dept.	IT	CRP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10-3-2-00-35-100 CRP-Lab Equipment Replacement	Lab	CRP	10,000	4,666	-	-	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	-	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
10-3-2-00-07-310 CRP-Vehicle Replacement program	Utility Services	CRP	360,000	310,000	50,000	-	150,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000
10-1-2-00-05-142 CRP-Building Remodels or Major Repairs	Utility Services	CRP	200,000	200,000	-	100,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000
10-3-2-00-20-101 CRP-Asphalt Seal & Stripe	Utility Services	CRP	14,000	-	-	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000
10-3-2-00-07-309 CRP Heavy Equipment	Utility Services	CRP	45,000	28,040	-	-	50,000	-	-	-	-	-	-	-	-	-	-
10-3-2-00-07-301 Greenhouse Gas Inventory	Engineering	Capital	321,768	221,768	-	243,700	-	-	-	-	-	-	-	-	-	-	-
Gooseneck Trailer	Field Ops	Capital	-	-	-	25,000	25,000	-	-	-	-	-	-	-	-	-	-
Shoring Trench Box	Field Ops	Capital	-	-	-	17,500	17,500	-	-	-	-	-	-	-	-	-	-
10-1-2-00-05-013 District Housing Sustainability	Housing	Capital	25,000	-	-	75,000	-	-	-	-	-	-	-	-	-	-	-
10-1-2-00-45-308 Stone Security Control Access	IT	Capital	50,000	-	-	1,062,931	50,000	-	-	-	-	-	-	-	-	-	-
10-1-2-00-45-307 Cameras for RTU Sites	IT	Capital	192,533	93,231	-	603,573	-	-	-	-	-	-	-	-	-	-	-
10-1-2-00-45-321 IT Capital Hardware	IT	Capital	-	120,745	-	222,073	125,000	-	-	-	-	-	-	-	-	-	-
10-1-2-00-45-316 RTU Firewall Replacement	IT	Capital	221,795	221,795	-	221,795	-	-	-	-	-	-	-	-	-	-	-
10-1-2-00-45-320 Backup Security Appliance	IT	Capital	169,792	169,792	-	169,792	-	-	-	-	-	-	-	-	-	-	-
10-1-2-00-45-314 Microwave Backbone Project	IT	Capital	105,000	105,000	-	105,000	-	-	-	-	-	-	-	-	-	-	-
10-1-2-00-45-318 Elk Analytics SIEM Project	IT	Capital	83,275	106,890	-	83,275	-	-	-	-	-	-	-	-	-	-	-
10-1-2-00-45-319 VMWare Carbon Black	IT	Capital	52,984	52,000	-	52,984	-	-	-	-	-	-	-	-	-	-	-
10-1-2-00-45-309 Cityworks API for GE Proficy	IT	Capital	30,300	5,000	-	50,000	-	-	-	-	-	-	-	-	-	-	-
10-1-2-00-45-317 CS and US Conference Room Technology - - - -	IT	Capital	22,962	18,158	-	22,962	-	-	-	-	-	-	-	-	-	-	-
Dowd Junction Communication Tower	IT	Capital	-	-	-	270,000	50,000	10,000	10,000	200,000	-	-	-	-	-	-	-
Nimble Storage Replacement	IT	Capital	-	-	-	590,155	590,155	-	-	-	-	-	-	-	-	-	-
VMWare Enterprise Licensing	IT	Capital	-	-	-	163,461	163,461	-	-	-	-	-	-	-	-	-	-
FortiSandbox	IT	Capital	-	-	-	26,554	26,554	-	-	-	-	-	-	-	-	-	-
Cisco Phone System	IT	Capital	-	-	-	38,602	38,602	-	-	-	-	-	-	-	-	-	-
ADWF Redundant HVAC	IT	Capital	-	-	-	70,000	70,000	-	-	-	-	-	-	-	-	-	-
10-1-2-00-45-304 AMI Implementation	Utility Services	Capital	36,474	-	-	210,962	-	-	-	-	-	-	-	-	-	-	-
10-1-2-00-05-110 Vail Office Remodel/Parking Improvements	Utility Services	Capital	-	128	-	-	-	-	-	-	-	-	-	-	-	-	-
General Subtotal Total			2,521,527	2,008,070	131,500	4,325,319	1,629,272	780,000	820,000	970,000	770,000	760,000	760,000	810,000	760,000	25,000	25,000

Appendix A: 10-Year Capital Plan

ERWSD Wastewater 10-Year Capital Plan																	
Account/Project Name	Department	Project Type	2023 Revised		Carry Forward	Project Total	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget	2029 Budget	2030 Budget	2031 Budget	2032 Budget	2033 Budget	2034 Budget
			Budget	2023 Projection													
10-3-2-10-07-100 Gore Valley Trail @ Dowd Jct. Repair	Engineering	Bond	516,974	-	516,974	640,026	58,026	-	-	-	-	-	-	-	-	-	-
10-3-2-10-01-006 Dowd Junction Collection System Improve.	Field Ops	Bond	6,047,691	5,547,691	500,000	16,406,405	-	-	-	-	-	-	-	-	-	-	-
10-3-2-10-01-019 Cascade Skier Bridge Sewer Main	Field Ops	Bond	200,000	50,000	150,000	3,700,000	500,000	3,000,000	-	-	-	-	-	-	-	-	-
10-3-2-10-01-012 Minturn Siphon Project	Field Ops	Bond	150,000	50,000	100,000	2,650,000	400,000	2,100,000	-	-	-	-	-	-	-	-	-
10-1-2-10-05-014 AWWTF Rooftop Solar Project	Utility Services	Bond	455,000	-	-	455,000	-	-	-	-	-	-	-	-	-	-	-
10-3-2-10-05-159 Field and Fleet HQ at EWWTF	Field Ops	Bond	1,981,194	151,931	1,829,263	2,000,000	-	-	-	-	-	-	-	-	-	-	-
10-3-2-10-03-316 VWWTF Master Plan Capital Improvements	Wastewater	Bond	8,517,396	5,425,497	3,091,899	11,553,008	1,000,000	-	-	-	-	-	-	-	-	-	-
10-3-2-10-03-002 2022 WW Master Plan Update	Wastewater	Bond	441,669	304,254	137,415	570,800	-	-	-	-	-	-	-	-	-	-	-
10-3-2-10-03-447 AWWTF Nutrient Upgrades	Wastewater	Bond	8,272,229	5,069,442	-	60,158,910	-	-	-	-	-	-	-	-	-	-	-
10-3-2-10-03-448 AWWTF Fire Flow Improvements	Wastewater	Bond	63,908	30,655	-	1,385,189	-	-	-	-	-	-	-	-	-	-	-
10-3-2-10-03-505 EWWTF Master Plan Capital Improvements	Wastewater	Bond	-	-	-	93,500,000	4,000,000	4,500,000	15,000,000	29,000,000	29,000,000	12,000,000	-	-	-	-	-
10-3-2-10-03-339 VWWTF Master Plan Capital Improvements Phase 2	Wastewater	Bond	-	-	-	10,000,000	-	-	-	500,000	2,500,000	7,000,000	-	-	-	-	-
10-3-9-10-80-023 Bond Int Exp - 2023 WW Enterprise Bonds	Wastewater	Bond	-	1,892,814	-	-	-	-	-	-	-	-	-	-	-	-	-
10-3-9-10-80-045 Bond Issue Costs-WW Rev. Enterprise Fund	Wastewater	Bond	-	487,885	-	-	-	-	-	-	-	-	-	-	-	-	-
10-3-2-10-01-043 CRP-1 & 1 Reduction - District wide	Field Ops	CRP	125,000	-	-	-	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
10-3-2-10-01-027 CRP-Sewer Capital Replacement Program	Field Ops	CRP	100,000	5,000	-	-	100,000	100,000	100,000	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	150,000	184,857	-	-	175,000	175,000	175,000	175,000	175,000	175,000	175,000	175,000	175,000	175,000	175,000
10-1-2-10-80-101 CRP- Safety & Security	Human Resource	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
10-3-2-10-13-114 CRP-EWWTF Plant Repairs	Wastewater	CRP	135,000	135,000	-	-	200,000	100,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000
10-3-2-10-11-117 CRP-VWWTF Plant Repairs	Wastewater	CRP	15,000	181	-	-	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	-	-	-	30,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000
10-3-2-10-13-115 EWWTF Biofilter Media Replacement	Wastewater	CRP	317,000	500,000	-	-	-	-	-	-	-	-	-	-	-	-	-
10-3-2-10-03-529 CRP-EWWTF AHU Replacement	Wastewater	CRP	64,850	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10-3-2-10-01-009 Collection System Master Plan	Engineering	Capital	28,115	28,309	-	841,753	100,000	-	-	-	-	-	-	-	-	-	-
10-3-2-10-01-011 Vail WWTF Area Bypass and Collection Upgrades	Field Ops	Capital	-	-	-	581,000	-	75,000	506,000	-	-	-	-	-	-	-	-
10-3-2-10-01-045 Forest Rd./Rockledge Private Sewer Replacement	Field Ops	Capital	302,000	-	302,000	302,000	-	-	-	-	-	-	-	-	-	-	-
10-1-2-10-05-057 Hillcrest Field Operations Facility	Field Ops	Capital	75,422	10,000	65,422	251,052	35,000	-	-	-	-	-	-	-	-	-	-
Intermountain Interceptor Collection Upgrades	Field Ops	Capital	-	-	-	575,000	-	75,000	500,000	-	-	-	-	-	-	-	-
E. Vail I&I Reducton	Field Ops	Capital	-	-	-	4,250,000	-	250,000	4,000,000	-	-	-	-	-	-	-	-
Jetting Truck	Field Ops	Capital	-	-	-	65,000	65,000	-	-	-	-	-	-	-	-	-	-
Jetting Equipment	Field Ops	Capital	-	-	-	110,000	110,000	-	-	-	-	-	-	-	-	-	-
10-1-2-10-05-056 Land and Facility Acquisitions	Housing	Capital	3,000,000	447,277	2,552,723	12,000,000	-	1,500,000	7,500,000	-	-	-	-	-	-	-	-
10-3-2-10-03-701 Lab Equipment	Lab	Capital	813,036	813,036	-	1,082,670	-	-	-	-	-	-	-	-	-	-	-
Lab Instrument	Lab	Capital	-	-	-	125,000	-	125,000	-	-	-	-	-	-	-	-	-
EWWTF Centrifuge	Wastewater	Capital	-	-	-	135,000	-	135,000	-	-	-	-	-	-	-	-	-
EWW Biofilter Media Replacement	Wastewater	Capital	-	-	-	400,000	-	400,000	-	-	-	-	-	-	-	-	-
EWW GT and SC Coatings	Wastewater	Capital	-	-	-	1,000,000	100,000	900,000	-	-	-	-	-	-	-	-	-
AWWTF EQ Room Re-roof	-	-	-	-	-	-	-	-	-	-	600,000	-	-	-	-	-	-
VWWTF Reg 31 Improvements	Wastewater	Capital	-	-	-	84,250,000	-	-	-	-	250,000	4,000,000	10,000,000	30,000,000	30,000,000	30,000,000	10,000,000
Wastewater Subtotal Total			31,811,484	21,133,831	9,245,694	308,987,813	7,693,026	12,985,000	28,041,000	29,535,000	30,635,000	15,285,000	11,535,000	10,535,000	30,535,000	30,050,000	10,050,000

Appendix A: 10-Year Capital Plan

Vail Water 10-Year Capital Plan																		
Account/Project Name	Department	Project Type	2023			Project Total	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget	2029 Budget	2030 Budget	2031 Budget	2032 Budget	2033 Budget	2034 Budget	
			2023 Revised Budget	2023 Projection	Carry Forward													
10-3-2-20-09-136 Bolts Lake Reservoir	Engineering	Bond	321,723	115,478	-	23,001,280	125,000	250,000	250,000	250,000	500,000	6,250,000	6,250,000	6,250,000	-	-	-	
10-3-2-20-09-463 RTU System Upgrade	Ops Tech	Bond	86,225	-	-	2,845,606	-	-	-	-	-	-	-	-	-	-	-	
10-3-2-20-09-025 Lower Glen Lyon Fire Flow Improvements	Water	Bond	450,000	11,626	143,375	1,550,000	-	1,100,000	-	-	-	-	-	-	-	-	-	
10-3-2-20-09-024 N. Frontage Road Water Main Connection	Water	Bond	450,205	660,151	-	478,125	-	-	-	-	-	-	-	-	-	-	-	
10-3-2-20-09-447 CRP-Vail Water Capital Replacement Program	Field Ops	CRP	100,000	100,000	-	-	50,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	50,000	
10-3-2-20-30-112 CRP-Distribution Industrial Painting	Field Ops	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	
10-3-2-20-09-020 CRP-Vail Wtr System Repairs	Water	CRP	50,000	14,134	-	-	75,000	50,000	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	50,000	-	-	100,000	200,000	200,000	200,000	200,000	100,000	100,000	100,000	100,000	100,000	100,000	
10-3-2-20-09-026 Main Gore Place Waterline Improvement	Field Ops	Capital	26,655	65,805	-	1,248,000	100,000	1,100,000	-	-	-	-	-	-	-	-	-	
North Frontage Transmission: Middle Creek to Solar Vail	Field Ops	Capital	-	-	-	800,000	-	800,000	-	-	-	-	-	-	-	-	-	
Glen Falls Drive Watermain Replacement	Field Ops	Capital	-	-	-	2,700,000	-	-	200,000	2,500,000	-	-	-	-	-	-	-	
Lionsridge Loop	Field Ops	Capital	-	-	-	2,700,000	-	-	-	-	200,000	2,500,000	-	-	-	-	-	
Well R7/Booth Emergency Power	OTS	Capital	-	-	-	2,700,000	200,000	2,500,000	-	-	-	-	-	-	-	-	-	
Vail Tank 4 Rehabilitation	Water	Capital	-	-	-	2,150,000	150,000	2,000,000	-	-	-	-	-	-	-	-	-	
East Vail Production Improvements	Water	Capital	-	-	-	3,750,000	-	-	-	-	-	250,000	2,500,000	1,000,000	-	-	-	
10-3-2-20-09-022 West Vail Flow Control Improvements	Water	Capital	149,348	39,230	110,118	175,000	-	-	-	-	-	-	-	-	-	-	-	
10-3-2-20-09-016 Water Treatment Master Plan	Water	Capital	91,598	-	91,598	166,668	-	-	-	-	-	-	-	-	-	-	-	
10-3-2-20-09-018 Water System Emergency Power	Water	Capital	68,708	2,594	16,114	70,000	-	-	-	-	-	-	-	-	-	-	-	
Vail Water Subtotal			1,944,462	1,109,016	361,205	44,334,679	850,000	8,150,000	850,000	3,150,000	1,100,000	9,050,000	6,800,000	9,050,000	1,300,000	50,000	50,000	
Total 10-Year Plan			36,277,473	24,250,917	9,738,399	357,647,811	10,172,298	21,915,000	29,711,000	33,655,000	32,505,000	25,095,000	19,095,000	20,395,000	32,595,000	30,125,000	10,125,000	

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			
2024 Budget Request: 125,000 (ERWSD)			
Total Project Budget: 23,001,280 (ERWSD)			
Basis of Estimate: One fourth of actual land costs, rough conceptual estimates on design/permitting costs, and a conceptual cost estimate provided by the consulting engineering team			
Engineer: Shannon Wilson (Geotechnical), Leonard Rice (Water Resource/Diversion)		Project Manager: Jason Cowles, Justin Hildreth	

Project Name: Greenhouse Gas Inventory		Account Code: 10.3.2.00.07.301	
Project Description: This project will do a detailed inventory of greenhouse gas emissions in the treatment and distribution/collection processes system-wide. An inventory is the first step in establishing goals for emission reduction as well as set a baseline for benchmarking improvements.			
Statement of Need: Environmental Stewardship is a core value and sustainability is part of the ERWSD Strategic Plan. This work helps with goal setting and will help inform future projects in terms of what we can accomplish in the future to continue to be a leader in our community for sustainability.			
2024 Budget Request: N/A			
Total Project Budget: 243,700			
Basis of Estimate: Consulting agreement contract			
Engineer: Carollo		Project Manager: Madeleine Harris	

Project Name: Gore Valley Trail at Dowd Junction Repair		Account Code: 10.3.2.10.07.100	
Project Description: This project, a partnership with Town of Vail, was initiated in 2015 with design work. The project involves reconstruction of the retaining wall on the Gore Valley Trail north of Bellflower Drive and river channel improvements to help restore the stream and prevent scour along the retaining wall; the trail also serves as the access to the wastewater interceptor pipeline connecting Vail with Avon.			
Statement of Need: This is a partnership project with the Town of Vail and the new retaining wall and elimination of scour will help prevent slope failures and potential damage to the interceptor pipeline; a critical asset.			
2024 Budget Request: 58,026			
Total Project Budget: 640,026			
Basis of Estimate: 50% cost share of Town of Vail construction contract			
Engineer: S2O Engineering		Project Manager: Mark Mantua	

Appendix B: ERWSD Capital Project Budget Narratives

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.	
2024 Budget Request: 10,000	
Total Project Budget: Annual	
Basis of Estimate: Annual budget based on past expenditures	
Engineer: NA	Project Manager: Niko Nemcanin/ Mike Thompson

Project Name: Dowd Junction Collection System Improvements	Account Code: 10.3.2.10.01.006
Project Description: This project is replacement of four major collection system components in the Dowd Junction area for end of life and capacity issues, consisting of: Lift Station 4, the Minturn Interceptor Aerial Crossing, the West Vail Interceptor Aerial crossing, and the LS 4 discharge force main. The Minturn Aerial Crossing and the West Vail Interceptor crossing are complete, and the Lift Station and Force Main (including upstream Gravity Interceptor) are currently under construction. We partnered with Eagle County to construct a missing portion of the Eagle Valley Trail in conjunction with the force main project. Anticipated completion is December 2023 due to extended procurement for electrical and backup pumping equipment.	
Statement of Need: High priority improvements identified in 2017 to address code compliance, equipment life cycles, redundancy, and capacity. Pre-design began in 2018.	
2024 Budget Request: N/A	
Total Project Budget: 16,406,405	
Basis of Estimate: Actual construction contract values and estimates to complete	
Engineer: HDR, Inc./Murraysmith	Project Manager: Jenna Beairsto

Project Name: Collection System Master Plan	Account Code: 10.3.2.10.01.009
Project Description: Master planning including hydraulic modeling, condition assessment, inflow and infiltration (I & I) study, and capital planning to address the future capacity and projects in the wastewater collection system. The project is well underway with extensive field surveying of the collection system, early infrastructure recommendations and flow metering data received. Existing data issues are forcing some additional field survey work and model development costs in 2023/4.	
Statement of Need: A master plan is needed to address the aging infrastructure and potential capacity issues in the collection system. A topographic survey was completed from the Vail WWTF to the Edwards WWTF and in house modeling will be conducted as a baseline for the report. Our WWTF discharge permits contain requirements to identify and reduce I&I, further reinforcing the need for a master plan.	
2024 Budget Request: 100,000	
Total Project Budget: 841,753	
Basis of Estimate: Actual contract cost	
Engineer: Merrick	Project Manager: Micah Schuette

Appendix B: 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.	
2024 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. Outsourcing CCTV inspection to locate I&I locations has been the recent use of funds; findings from Collection System Master Plan will help inform locations of future expenditures.	
2024 Budget Request: 100,000	
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.	
2024 Budget Request: 50,000	
Total Project Budget: Annual	
Basis of Estimate: Annual account, based on potential expenditures	
Engineer: N/A	Project Manager: Niko Nemcanin

Appendix B: 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.	
2024 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: Forest /Rockledge Private Sewer Replacement	Account Code: 10.3.2.10.01.045
Project Description: This project replaces a private sewer main serving four customers on Forest Road and Rockledge Road in Vail with a public sewer main. The existing private main contains a manhole that does not meet specifications and is a contributor of Inflow and Infiltration.	
Statement of Need: This project originated in Construction Review Team when a redevelopment revealed the deficient private sewer main. The four homeowners have agreed to finance the project, making this a budget-neutral project. We are ready to begin work and are working with legal on a memorandum or agreement guaranteeing reimbursement from the homeowners.	
2024 Budget Request: N/A – carry forward from 2023	
Total Project Budget: 302,000	
Basis of Estimate: In-house conceptual estimate using current bid prices	
Engineer: TBD	Project Manager: Not assigned

Project Name: North Frontage Road Water Main Connection	Account Code: 10.3.2.20.09.024
Project Description: This project connects a dead-end water main at the existing Middle Creek housing development with a new portion of water main to be constructed as part of the Residences at Main Vail development, installed in August of 2022. It will provide an important redundant loop to high density housing which helps reduce the consequence of failure of the deep crossing beneath I-70.	
Statement of Need: This project is part of the strategy for newer, more accessible water mains in Vail that began with the 2021 Vail South Frontage Road project. This project provides important redundancy to an aging water main crossing beneath I-70 and will eventually result in a looped water main along the North Frontage Road.	
2024 Budget Request: 425,000	
Total Project Budget: 478,125	
Basis of Estimate: In-house conceptual estimate using current bid prices	
Engineer: JVA, Inc.	Project Manager: Kevin Nelson

Appendix B: ERWSD Capital Project Budget Narratives

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 difficult to fully assess its condition. The project includes a detailed condition assessment and preliminary design prior to proceeding to a final solution.	
Statement of Need: As part of the Collection System Master Plan, Merrick was asked to provide a list of high priority projects. The siphon has long been a maintenance and capacity concern. Recent sewer flow meter data confirms that the siphon appears to be contributing I&I to the collection system, and with I&I rolled into WWTF discharge permitting requirement	
2024 Budget Request: 400,000	
Total Project Budget: 2,650,000	
Basis of Estimate: Conceptual engineer's estimate plus escalation	
Engineer: TBD	Project Manager: Madeleine Harris

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 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. 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.	
2024 Budget Request: 500,000	
Total Project Budget: 3,700,000	
Basis of Estimate: Conceptual engineer's estimate plus escalation	
Engineer: TBD	Project Manager: Kevin Nelson

Project Name: Lower Glen Lyon Fire Flow Improvements	Account Code: 10.3.2.20.09.025
Project Description: This project originated in the 2020 Distribution System Master Plan and involves 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 timing of the project in 2025 coincides with a nearby collection system project to achieve economy of scale and minimize public impact.	
Statement of Need: The Lower Glen Lyon zone exhibits inadequate fire flows near the Cascade Village area. In addition, the interconnect pipeline by which water is uploaded/downloaded between the Vail and downvalley 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.	
2024 Budget Request: N/A – carry forward from 2023	
Total Project Budget: 1,550,000	
Basis of Estimate: Distribution System Master Plan Addendum Memo from 2023	
Engineer: TBD	Project Manager: TBD

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Project Name: Main Gore Place Water Main Replacement	Account Code: 10.3.2.20.09.026
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 and utility potholing and design scheduled for Fall 2023. Construction is pushed to 2025 to allow time to work with the local homeowners association on potential private service line replacements.	
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.	
2024 Budget Request: 100,000	
Total Project Budget: 1,248,000	
Basis of Estimate: Design contracting plus anticipated pipeline unit costs	
Engineer: JVA, Inc.	Project Manager: Jeff Schneider

Project Name: Hillcrest Field Operations Facility	Account Code: 10.1.2.10.05.057
Project Description: To provide for the Avon WWTF Nutrients project, certain vehicles, materials, and equipment were relocated to the Hillcrest property, located at 32001 US 6 in west Edwards. Work completed includes: new fencing and gate, lighting and electrical for diesel engine block heaters, and minor site grading. The remaining budget is to fund minor improvements and upgrades to improve the functionality of the property. More recently	
Statement of Need: The project was driven by the need to relocate Field Operations equipment, materials, and other large inventory items such as water mains, hydrants, and manholes off site to provide for the construction of the Avon WWTF Nutrient Upgrades. Field Operations desires to conduct some small improvements to improve the functionality of the site in 2024, and ERWSD is obligated to perform fencing and electrical improvements to support the Hillcrest Roundabout project; while reimbursed by Eagle County, this accounts appropriates funds to execute the contracts.	
2024 Budget Request: N/A – carry forward from 2023	
Total Project Budget: 251,052	
Basis of Estimate: Actual costs of improvements plus minor remaining work.	
Engineer: N/A	Project Manager: Niko Nemcanin/Jeff Schneider

Appendix B: ERWSD Capital Project Budget Narratives

Project Name: Vail WWTF Area Bypass and Collection Upgrades	Account Code: 10.3.2.10.01.011
Project Description: This project was created to address capacity and condition concerns in the wastewater collection system immediately downstream of the Vail WWTF. The exact scope is not known, but improvements are anticipated to include rehabilitation and/or replacement of piping and manholes and a new crossing of Gore Creek.	
Statement of Need: The condition of the pipelines and manholes and their proximity to Gore Creek contribute to Inflow and Infiltration in the sewer collection system. ERWSD is coordinating with the Town of Vail on potential replacement of the adjacent Gore Valley Trail bridge which would be an opportunity to partner for a new aerial crossing.	
2024 Budget Request: N/A – forecasted to begin in 2025	
Total Project Budget: 581,000	
Basis of Estimate: In-house conceptual estimate using current bid prices	
Engineer: TBD	Project Manager: Not assigned

Appendix B: ERWSD Capital Project Budget Narratives

Housing

Project Name: Land and Facility Acquisitions	Account Code: 10.1.2.10.05.056
Project Description: Future housing needs and potential partnerships.	
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.	
2024 Budget Request: 0	
Total Project Budget: 8,000,000	
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.	
2024 Budget Request: 175,000	
Total Project Budget: Annual	
Basis of Estimate: Vendor Quote	
Engineer: N/A	Project Manager: Michael Beardsley

Appendix B: ERWSD Capital Project Budget Narratives

IT

Project Name: CRP-Website Improvements	Account Code: 10.1.2.00.45.108
Project Description: This capital entry is to allow for continual development of our website. In 2023 we launched a newly redesigned website which improved functionality and is more secure. We need to create an ongoing budget to add additional functionality to our website.	
Statement of Need: Annual account for ongoing website development.	
2024 Budget Request: 30,000	
Total Project Budget: 10,000 annually after 2024	
Basis of Estimate: Annual estimate based on previous expenditures.	
Engineer: NA	Project Manager: Justin Way

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 environment. We have progressively improved our network over time with an effort to fix and improve different pieces without performing a massive overhaul all at once.	
Statement of Need: Annual account for continual network improvements.	
2024 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-Desktop/Laptop Improvement Upgrade	Account Code: 10.1.2.00.45.124
Project Description: This capital entry is allotted for the purchase of new desktops and laptops for new 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.	
2024 Budget Request: 160,000	
Total Project Budget: Annual	
Basis of Estimate: Annual estimate based on previous expenditures.	
Engineer: NA	Project Manager: Justin Way

Appendix B: ERWSD Capital Project Budget Narratives

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.	
2024 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

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, i.e. network cabling, communications lines, fiber pulls, rewiring of radios, 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 an employee moves to a new location where network cabling did not exist prior. This also covers new fiber optic installations.	
2024 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 and licensing relied upon by water, wastewater, and field operations.	
Statement of Need: Annual account to fund 800MHz radio system.	
2024 Budget Request: 25,000	
Total Project Budget: Annual	
Basis of Estimate: Annual estimate assuming replacement of one unit per year.	
Engineer: NA	Project Manager: Justin Way

Appendix B: ERWSD Capital Project Budget Narratives

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.	
2024 Budget Request: 50,000	
Total Project Budget: 1,062,931	
Basis of Estimate: Annual estimate based on previous expenditures	
Engineer: NA	Project Manager: Justin Way

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	
2024 Budget Request: 125,000	
Total Project Budget: 125,000	
Basis of Estimate: Annual estimate based on previous expenditures	
Engineer: NA	Project Manager: Justin Way

Appendix B: ERWSD Capital Project Budget Narratives

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

Project Name: Lab Equipment	Account Code: 10.3.2.10.03.701
Project Description: This project brings metals analysis from contract laboratory testing to in-house. The project includes some interior, HVAC, and exterior modifications and the purchase of an Inductively Coupled Mass Spectrometer (ICP-MS) to perform metals testing. The original project is complete, the new request is for a different piece of replacement equipment, the Lachat. The Lachat is an important piece of equipment that analyzes ammonia, nitrate, nitrite, total nitrogen and total phosphorous.	
Statement of Need: The existing piece of equipment is no longer supported and will be phased out of service in late 2024.	
2024 Budget Request: 125,000	
Total Project Budget: 125,000	
Basis of Estimate: Guaranteed Maximum Price (GMP) proposal from Moltz Construction, Hach equipment quote for new Lachat.	
Engineer: SGM, Inc.	Project Manager: Leah Cribari

Appendix B: ERWSD Capital Project Budget Narratives

Ops Tech

Project Name: OTS Spare Parts Inventory		Account Code: 10.1.2.00.47.100	
Project Description: Annual account for purchase of electrical and controls equipment such as motors, starters, VFDs, communication cards etc.			
Statement of Need: Annual account for planned and potentially unforeseen purchases. Critical due to supply chain issues that could turn a simple card replacement into a months-long equipment outage.			
2024 Budget Request: 10,000			
Total Project Budget: Annual			
Basis of Estimate: Annual account, based on past expenditures			
Engineer: N/A		Project Manager: Various	

Appendix B: ERWSD Capital Project Budget Narratives

Utility Services

Project Name: Fleet Maintenance Facility at EWWTF	Account Code: 10.3.2.10.05.159
Project Description: This project was originally conceived as an all-in-one project to replace the aging fleet garage and solids loadout garages on the east half of the AWWTF facility and expand the administration building to create an operations headquarters at AWWTF. The scope was then changed to a fleet facility adjacent to Edwards WWTF. With considerable pressure on capital with WW nutrient regulations and concerns about staging for the project and future plant expansion, this project is likely shelved. Conceptual design was completed and a small planning study may be executed.	
Statement of Need: This project alternative was identified in the 2020 Overall Facilities Master Plan but located at the Hillcrest parcel on US Highway 6; the concept is the same but at a different location contiguous with the Edwards WWTF property. The existing garage facilities at AWWTF are at the end of their useful lives. Constructing the facility to house Fleet at this property enables offline construction and reduces the scope, scale, and vehicle storage and parking needs at the AWWTF property.	
2024 Budget Request: N/A – carry forward from 2024	
Total Project Budget: 2,000,000	
Basis of Estimate: N/A	
Engineer/Architect: D2C Architects	Project Manager: Mark Mantua

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, and other items as they come up. The 2023 budget funded the bathroom renovations at the Vail admin building and improvements to the 'Triangle' office on the northern first floor area of Vail admin.	
2024 Budget Request: 100,000	
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.	
Statement of Need: Based on mileage and depreciation of existing vehicles, also adding additional electric vehicles to the fleet. Based on staffing needs.	
2023 Budget Request: N/A – 50,000 anticipated carry forward	
Total Project Budget: Annual	
Basis of Estimate: Vehicle quotes plus contingencies for staffing changes	
Engineer: NA	Project Manager: Shane Swartwout

Appendix B: ERWSD Capital Project Budget Narratives

Project Name: CRP-Heavy Equipment	Account Code: 10.3.2.00.07.309
Project Description: Periodic account for the purchase of new heavy equipment. Supply chain difficulties make ordering to delivery timing tough to predict.	
Statement of Need: Based on hours and depreciation of existing equipment and future needs. Field operation is improving its ability to self perform small projects and perform emergency repairs.	
2024 Budget Request: N/A – 50,000 in 2025	
Total Project Budget: Periodic	
Basis of Estimate: Vehicle quotes	
Engineer: NA	Project Manager: Shane Swartwout

Project Name: CRP-Asphalt Seal and Stripe	Account Code: 10.1.2.00.20.101
Project Description: Annual account for maintenance of asphalt parking areas and parking lot striping	
Statement of Need: Annual account, location of work depending on condition	
2024 Budget Request: 25,000	
Total Project Budget: Annual	
Basis of Estimate: Annual account – based on past expenditures and vendor quotes	
Engineer: NA	Project Manager: Shane Swartwout

Appendix B: ERWSD Capital Project Budget Narratives

Water

Project Name: Water Treatment Master Plan	Account Code: 10.3.2.20.09.016
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.	
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.	
2024 Budget Request: N/A – carry forward from 2023	
Total Project Budget: 166,668	
Basis of Estimate: Contract from Carollo Engineers	
Engineer: formerly Carollo Engineers	Project Manager: Jenna Beirsto

Project Name: WST Misc. Improvements	Account Code: 10.3.2.20.09.019
Project Description: Annual account for small tank rehabilitation/repair projects throughout the Vail system's water storage tank inventory.	
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.	
2024 Budget Request: 100,000	
Total Project Budget: Annual	
Basis of Estimate: Placeholder, actual work typically less than budget	
Engineer: N/A	Project Manager: Travis Young

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, wells, etc. 2023 expenditure included minor improvements at well R1 and Booth Falls treatment facility.	
2024 Budget Request: 75,000	
Total Project Budget: Annual	
Basis of Estimate: Annual account, based on similar repair CRP accounts in WW system	
Engineer: N/A	Project Manager: Andrew Kirch

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Project Name: West Vail Flow Control Improvements	Account Code: 10.3.2.20.09.022
<p>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.</p>	
<p>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.</p>	
<p>2024 Budget Request: N/A – carry forward from 2023</p>	
<p>Total Project Budget: 175,000</p>	
<p>Basis of Estimate: Actual construction costs from Buffeher Creek PRV work and conceptual estimate from 2023 Distribution Master Plan Addendum memo.</p>	
<p>Engineer: N/A</p>	<p>Project Manager: Andrew Kirsch/Jeff Schneider</p>

Project Name: Water System Emergency Power	Account Code: 10.3.2.20.09.018
<p>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.</p>	
<p>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.</p>	
<p>2024 Budget Request: N/A – funds rolled from 2023</p>	
<p>Total Project Budget: 70,000 (ERWSD)</p>	
<p>Basis of Estimate: N/A – ongoing multi-year implementation</p>	
<p>Engineer: AE2S</p>	<p>Project Manager: Various</p>

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 and scheduled for completion in second quarter 2024.	
2024 Budget Request: 1,000,000	
Total Project Budget: 11,553,008	
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.	
2024 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. Typical request (50,000) reduced due to completion of major capital project.	
Statement of Need: Annual account, commonly spent on replacing components of aging treatment facilities.	
2024 Budget Request: 30,000	
Total Project Budget: Annual	
Basis of Estimate: Past annual expenditures	
Engineer: N/A	Project Manager: Tim Drescher

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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 (50,000) increased due to somewhat critical improvements such as HVAC, non potable pump strainers, and electrical improvements at the headworks facility, among other items.	
Statement of Need: Annual account, commonly spent on replacing components of aging treatment facilities.	
2024 Budget Request: 200,000	
Total Project Budget: Annual	
Basis of Estimate: Past annual expenditures	
Engineer: N/A	Project Manager: Zach Green

Project Name: WW Master Plan Update – Phase 2	Account Code: 10.3.2.10.03.002
Project Description: 5 year update of the previous 2017 WW Master Plan to evaluate nutrient management strategies, and update treatment model based on completion of AWWTF Nutrient Upgrades, and refine capital projections. Edwards WWTF, with its unique loading scenario of receiving solids from 3 facilities and high phosphorous levels, brings with it unique technical challenges. The master plan also addresses future Regulation 31 and temperature related compliance concerns and models the treatment plants through a 2042 planning horizon.	
Statement of Need: Evolving regulatory climate necessitates master plan updates on a 5-year cycle after updates in 2012 and 2017.	
2024 Budget Request: N/A – carry forward from 2024	
Total Project Budget: 570,800	
Basis of Estimate: Carollo scope and fee estimate	
Engineer: Carollo Engineers	Project Manager: Madeleine Harris

Project Name: CRP – EWTF Biofilter Media Replacement	Account Code: 10.3.2.10.13.115
Project Description: The Edwards WWTF has a multi-stage odor control system that treats odors from various plant processes. The most considerable odors are present in the solids digestion process and that process includes biofilters which contain consumable organic media. The media is a specialty product and the removal of old media and installation of new media requires specialty contractors and equipment. The new recommended media is inorganic and has a much longer service life than previous. We are hoping to replace media in the two solids handling biofilters in 2023 and the headworks and solids handling units in 2024.	
Statement of Need: The vendor recommends a 5-year life cycle replacement and the last time it was completed was in 2016. This is critical to the performance of the overall odor control system and the more it breaks down, the less airflow is permitted through the media.	
2024 Budget Request: 400,000	
Total Project Budget: 717,000	
Basis of Estimate: Quotation from supplier and multiple contractors	
Engineer: N/A	Project Manager: Kevin Nelson

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Project Name: Edwards WWTF Master Plan Capital Improvements	Account Code: 10.3.2.10.13.505
Project Description: The ongoing WW Master Plan Phase 2 is blending into pre-design of the upcoming improvements at Edwards WWTF. Edwards is subject to Regulation 85 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, among other items.	
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.	
2024 Budget Request: 4,000,000	
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.	
2024 Budget Request: N/A – out year item	
Total Project Budget: 10,000,000	
Basis of Estimate: Escalated master plan level cost estimates plus contingency	
Engineer: TBD	Project Manager: not assigned

Appendix C: Line Item Detail

Type/Department/Account	2023 Budget	2023 Projection	2024 Proposed
Bond Project			
Engineering			
10-3-2-10-07-100 Gore Valley Trail @ Dowd Jct. Repair	516,974	-	58,026
10-3-2-20-09-136 Bolts Lake Reservoir	321,723	115,478	125,000
Engineering Total	838,697	115,478	183,026
Field Ops			
10-3-2-10-01-006 Dowd Junction Collection System Improve.	6,047,691	5,547,691	-
10-3-2-10-01-012 Minturn Siphon Project	150,000	50,000	400,000
10-3-2-10-01-019 Westhaven Sewer Main	200,000	50,000	500,000
10-3-2-10-05-159 Field and Fleet HQ at AWWTF	1,981,194	151,931	-
Field Ops Total	8,378,885	5,799,622	900,000
Finance			
10-3-9-10-80-023 Bond Int Exp - 2023 WW Enterprise Bonds	-	1,892,814	-
10-3-9-10-80-045 Bond Issue Costs-WW Rev. Enterprise Fund	-	487,885	-
Finance Total	-	2,380,699	-
Ops Tech			
10-3-2-20-09-463 RTU System Upgrade	86,225	-	-
Ops Tech Total	86,225	-	-
Utility Services			
10-1-2-10-05-014 AWWTF Rooftop Solar Project	455,000	-	-
Utility Services Total	455,000	-	-
Wastewater			
10-3-2-10-03-002 2022 WW Master Plan Update	441,669	304,254	-
10-3-2-10-03-003 WW Master Plan Update Phase 2	-	-	-
10-3-2-10-03-316 VWWTF Master Plan Capital Improvements	8,517,396	5,425,497	1,000,000
10-3-2-10-03-447 AWWTF Nutrient Upgrades	8,272,229	5,069,442	-
10-3-2-10-03-448 AWWTF Fire Flow Improvements	63,908	30,655	-
10-3-2-10-03-505 EWWTF Master Plan Capital Improvements	-	-	4,000,000
Wastewater Total	17,295,202	10,829,849	5,000,000
Water			
10-3-2-20-09-024 N. Frontage Road Water Main Connection	450,205	660,151	-
10-3-2-20-09-025 Lower Glen Lyon Fire Flow Improvements	450,000	11,626	-
Water Total	900,205	671,776	-
Bond Project Total	27,954,214	19,797,425	6,083,026
Capital			
Administration-Housing			
10-1-2-00-05-013 District Housing Sustainability	25,000	-	-
10-1-2-10-05-056 Land and Facility Acquisitions	3,000,000	447,277	-
Administration-Housing Total	3,025,000	447,277	-
Engineering			
10-3-2-00-07-301 Greenhouse Gas Inventory	321,768	221,768	-
Collection System Master Plan			100,000
Engineering Total	321,768	221,768	100,000
Field Ops			
10-1-2-10-05-057 Hillcrest Field Operations Facility	75,422	10,000	35,000
10-3-2-10-01-009 Collection System Master Plan	28,115	28,309	-
10-3-2-10-01-045 Forest Rd./Rockledge Private Sewer Replacement	302,000	-	-
10-3-2-20-09-026 Main Gore Place Waterline Improvement	26,655	65,805	-
Gooseneck Trailer			25,000
Jetting Truck			65,000
Jetting Equipment			110,000
Shoring Trench Box			17,500

Appendix C: Line Item Detail

Type/Department/Account	2023 Budget	2023 Projection	2024 Proposed
Main Gore Place Waterline Improvement			100,000
Field Ops Total	432,192	104,114	352,500
IT			
10-1-2-00-45-307 Cameras for RTU Sites	192,533	93,231	-
10-1-2-00-45-308 Stone Security Control Access	50,000	-	50,000
10-1-2-00-45-309 Cityworks API for GE Proficy	30,300	5,000	-
10-1-2-00-45-314 Microwave Backbone Project	105,000	105,000	-
10-1-2-00-45-315 Truck Wi-Fi Project	-		-
10-1-2-00-45-316 RTU Firewall Replacement	221,795	221,795	-
10-1-2-00-45-317 CS and US Conference Room Technology - - - - -	22,962	18,158	-
10-1-2-00-45-318 Elk Analytics SIEM Project	83,275	106,990	-
10-1-2-00-45-319 VMWare Carbon Black	52,984	52,008	-
10-1-2-00-45-320 Backup Security Appliance	169,792	169,792	-
10-1-2-00-45-321 IT Capital Hardware	-	120,745	125,000
Dowd Junction Communication Tower			50,000
Nimble Storage Replacement			590,155
VMWare Enterprise Licensing			163,461
FortiSandbox Decision Item			26,554
Cisco Phone System Decision Item			38,602
ADWF Redundant HVAC			70,000
IT Total	928,641	892,720	1,113,772
Lab			
10-3-2-10-03-701 Lab Equipment	813,036	813,036	-
Lab Instrument			125,000
Lab Total	813,036	813,036	125,000
Ops Tech			
Well R7/Booth Emergency Power	-	-	200,000
Ops Tech Total	-	-	200,000
Utility Services			
10-1-2-00-05-110 Vail Office Remodel/Parking Improvements	-	128	-
10-1-2-00-07-100 Wolcott Solar Farm	-	-	-
10-1-2-00-45-304 AMI Implementation	36,474	-	-
Utility Services Total	36,474	128	-
Water			
10-3-2-20-09-016 Water Treatment Master Plan-	91,598	-	-
10-3-2-20-09-018 Water System Emergency Power	68,708	2,594	-
10-3-2-20-09-022 West Vail Flow Control Improvements	149,348	39,230	-
Vail Tank 4 Rehabilitation			150,000
Water Total	309,654	41,823	150,000
Wastewater			
EWWTf Centrifuge	-	-	135,000
EWWTf GT and SC Coatings	-	-	100,000
Water Total	-	-	235,000
Capital Total	5,866,765	2,520,866	2,276,272
CRP			
Administration-Housing			
10-1-2-10-80-100 CRP-Employee Housing	150,000	184,857	175,000
Administration-Housing Total	150,000	184,857	175,000
Engineering			
10-1-2-00-45-106 CRP-GIS Improvements	81,500	-	-
Engineering Total	81,500	-	-
Field Ops			

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Type/Department/Account	2023 Budget	2023 Projection	2024 Proposed
10-1-2-00-45-200 CRP-Portable Radio Upgrade	-	-	25,000
10-3-2-00-20-102 CRP-Locators & Correlators	15,000	10,669	10,000
10-3-2-10-01-027 CRP-Sewer Capital Replacement Program	100,000	5,000	100,000
10-3-2-10-01-043 CRP-I & I Reduction - District wide	125,000	-	100,000
10-3-2-20-09-312 CRP-Valve Replacement Project	-	-	-
10-3-2-20-09-447 CRP-Vail Water Capital Replacement Program	100,000	100,000	50,000
10-3-2-20-30-112 CRP-Distribution Industrial Painting	50,000	50,000	50,000
Field Ops Total	390,000	165,669	335,000
Human Resources			
10-1-2-10-80-101 CRP- Safety & Security	10,000	-	10,000
Human Resources Total	10,000	-	10,000
IT			
10-1-2-00-45-108 CRP-Website Improvements	-	-	30,000
10-1-2-00-45-109 CRP-Server & Network Improvements	150,000	86,176	50,000
10-1-2-00-45-112 CRP-Software/Licensing	-	32,000	-
10-1-2-00-45-124 CRP-Desktop/Laptop Improvement Upgrade	160,000	54,125	163,000
10-1-2-00-45-125 CRP-Printers Improvement Upgrade	10,000	8,259	10,000
10-1-2-00-45-128 CRP- Low Voltage Wiring	70,000	65,375	50,000
10-1-2-00-45-138 CRP Wireless AP Upgrade	14,882	14,882	-
10-1-2-00-45-139 CRP-ADWF Server Room Project	69,262	69,262	-
IT Total	474,144	330,079	303,000
Lab			
10-3-2-00-35-100 CRP-Lab Equipment Replacement	10,000	4,666	-
Lab Total	10,000	4,666	-
Ops Tech			
10-1-2-00-47-100 CRP-OTS Spare Parts Inventory	10,000	10,000	10,000
Ops Tech Total	10,000	10,000	10,000
Utility Services			
10-1-2-00-05-142 CRP-Building Remodels or Major Repairs	200,000	200,000	100,000
10-3-2-00-07-309 CRP Heavy Equipment	45,000	28,040	-
10-3-2-00-07-310 CRP-Vehicle & Heavy Equipment	360,000	310,000	-
10-3-2-00-20-101 CRP-Asphalt Seal & Stripe	14,000	-	25,000
Utility Services Total	619,000	538,040	125,000
Wastewater			
10-3-2-10-03-529 CRP-EWWTF AHU Replacement	64,850	-	-
10-3-2-10-11-117 CRP-VWWTF Plant Repairs	15,000	181	50,000
10-3-2-10-12-126 CRP-AWWTF Plant Repairs	30,000	-	30,000
10-3-2-10-13-114 CRP-EWWTF Plant Repairs	135,000	135,000	200,000
10-3-2-10-13-115 EWWTF Biofilter Media Replacement	317,000	500,000	-
EWV Biofilter Media Replacement			400,000
Wastewater Total	561,850	635,181	680,000
Water			
10-3-2-20-09-019 CRP-Water Storage Tank Misc. Improvements	100,000	50,000	100,000
10-3-2-20-09-020 CRP-Vail Wtr System Repairs	50,000	14,134	75,000
Water Total	150,000	64,134	175,000
CRP Total	2,456,494	1,932,625	1,813,000
Debt Service			
Finance			
10-1-9-10-00-200 Treasurer's Fees - ERWSD WW Ops	16,600	24,696	18,221
10-1-9-20-00-210 Treasurer's Fees - VVCWD	15,100	21,103	16,828
10-2-5-10-00-026 C/P GO Bonds WW 2016	555,000	555,000	585,000
10-2-5-20-00-035 C/P GO Water 2012A			130,000

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Type/Department/Account	2023 Budget	2023 Projection	2024 Proposed
10-2-5-20-00-040 C/P Bonds Water 2012B	440,000	440,000	460,000
10-2-5-20-00-068 C/P Bond Principal Vail 2011	315,000	-	-
10-2-9-10-80-026 Bond Interest Exp WW 2016	814,900	814,896	785,931
10-2-9-10-80-035 Paying Agent Fees - ERWSD GO Bonds	375	598	830
10-2-9-10-80-045 Treasurer's Fees - ERWSD	42,500	62,778	40,478
10-2-9-20-80-040 Paying Agent Fees - Vail Water	1,130	560	830
10-2-9-20-80-065 Treasurer's Fees - Vail 02	29,550	41,301	26,708
10-2-9-20-80-071 Bond Int. Exp - Vail 2011	11,550	5,772	-
10-2-9-20-80-073 Bond Int. Exp. - Water 2012A	40,000	39,996	34,567
10-2-9-20-80-074 Bond Int. Exp. - Water 2012B	138,800	138,798	119,667
10-3-5-10-00-602 C/P Bonds WW 2012	735,000	735,000	-
10-3-5-10-00-604 C/P 2020 WW Revenue Bonds	260,000	260,000	265,000
10-3-5-10-00-605 C/P 2017 Refunding 09 BABs WW	480,000	480,000	495,000
10-3-5-10-00-606 C/P 2020 WW Rev. Refunding Bonds	280,000	280,000	1,050,000
10-3-5-10-00-607 C/P 2023 WW Enterprise Bonds	-	-	760,000
10-3-5-20-00-610 C/P Loan - Eagle Park Reservoir	95,047	47,521	100,227
10-3-5-20-00-635 C/P Loan - 2017 Water Bonds	430,000	430,000	445,000
10-3-5-20-00-640 C/P 2019 Water Revenue Bond	150,000	75,000	155,000
10-3-9-10-80-021 Bond Interest Exp.-2020 WW Revenue Bonds	1,344,500	1,344,498	1,336,038
10-3-9-10-80-022 Bond Interest Exp.- 2020 Rev Refunding Bonds	576,296	576,294	572,320
10-3-9-10-80-023 Bond Int Exp - 2023 WW Enterprise Bonds	-	-	2,055,483
10-3-9-10-80-027 Bond Int. Exp. - WW 2012	29,400	29,400	-
10-3-9-10-80-029 Bond Int. Exp - 2017 Refunding 09 BABs WW	388,169	388,165	373,769
10-3-9-10-80-050 Paying Agent Fees - ERWSD Rev.Bonds	1,050	1,405	1,400
10-3-9-20-80-035 Interest Loan - 2017 Rev.Water Bonds(Ref 09)	376,150	376,149	362,471
10-3-9-20-80-040 Interest 2019 Revenue Water Bonds	114,350	114,345	107,833
10-3-9-20-80-065 Interest Loan - Eagle Park Reservoir	35,636	35,634	29,090
Finance Total	7,716,103	7,318,909	10,327,691
Debt Service Total	7,716,103	7,318,909	10,327,691
Housing			
Administration-Housing			
10-1-9-10-65-090 Employee Recognition	-		160
10-1-9-10-65-102 Profesional Services/Training	-		5,000
10-1-9-10-65-103 Housekeeping	-		10,000
10-1-9-10-65-104 Small Tools	-		5,000
10-1-9-10-80-100 Housing Rental - HOA Dues	227,500	199,849	219,834
10-1-9-10-80-101 District Housing Property Management	462	5,000	-
10-1-9-10-80-105 Housing Rental Repairs, Cleaning, & Landscaping	132,000	108,218	100,000
10-1-9-10-80-110 Housing Rental Utilities	31,000	5,448	23,000
10-1-9-10-80-115 Non-Housing (ex. Lot, annex) Expenses	4,106	2,481	4,500
10-3-9-10-65-800 Salaries	-		183,475
10-3-9-10-65-830 SS Match 6.2%	-		11,375
10-3-9-10-65-840 Health/Life Insurance	-		32,943
10-3-9-10-65-850 Medicare Match	-		2,752
10-3-9-10-65-860 Pension Contribution - 401(A) Match	-		9,218
Administration-Housing Total	395,068	320,995	607,256
Housing Total	395,068	320,995	607,256
Ops			
Administration			
10-1-9-00-70-080 Board Meeting/Travel Expenses	5,700	8,126	11,875
10-1-9-00-70-090 Directors Fees	16,800	4,700	18,200
10-1-9-00-70-100 Election Expense	35,000	6,010	-

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Type/Department/Account	2023 Budget	2023 Projection	2024 Proposed
10-1-9-00-71-090 Employee Recognition	2,000	799	880
10-1-9-00-71-600 General Operations	25,000	26,284	30,000
10-1-9-00-71-670 Training/Travel	3,000	762	3,000
10-1-9-00-90-190 General Legal	120,000	77,246	130,000
10-1-9-00-90-190 General Legislative Affairs	-		30,000
10-3-9-00-35-810 Temporary	-	6,344	-
10-3-9-00-70-050 Document Scanning	5,000	9,500	2,500
10-3-9-00-70-260 Janitorial Supplies	589	1,864	-
10-3-9-00-70-320 Employee Support Supplies	5,000	310	3,000
10-3-9-00-70-370 Office Furnishings and Equipment	2,500	6,635	5,000
10-3-9-00-70-400 Office Supplies and Printing	6,000	5,919	7,500
10-3-9-00-70-455 Postage & Shipping	41,487	28,000	49,000
10-3-9-00-70-700 Membership Fees	2,000	3,066	4,250
10-3-9-00-70-800 Salaries	1,780,851	1,524,534	1,185,998
10-3-9-00-70-810 Temporary	-	18,244	-
10-3-9-00-70-820 Overtime	2,163	154	-
10-3-9-00-70-830 SS Match 6.2%	98,040	96,618	73,532
10-3-9-00-70-840 Health/Life Insurance	343,346	341,711	237,075
10-3-9-00-70-850 Medicare Match	22,647	26,603	17,790
10-3-9-00-70-860 Pension Contribution - 401(A) Match	79,064	87,580	77,469
10-3-9-00-70-870 Unemployment Compensation	4,150	4,870	2,970
Administration Total	2,600,337	2,285,878	1,890,039
Administration-Housing			
10-1-9-10-80-107 Housing - Fees EHOP	3,000	1,500	3,000
10-1-9-10-80-120 Emp Housing Master Leases	100,800	45,600	90,000
10-1-9-10-80-125 Housing - Stipend	422,550	394,907	452,160
Administration-Housing Total	526,350	442,007	545,160
Community Relations			
10-1-9-00-75-060 Community Relations	12,061	13,509	25,000
10-1-9-00-75-070 Sponsorship	5,000	4,900	7,000
10-1-9-00-75-090 CR Employee Recognition	150	200	320
10-1-9-00-75-400 Office Supplies and Printing	10,000	6,840	10,000
10-1-9-00-75-600 CR Department Operations	25,000	66,111	15,000
10-1-9-00-75-670 Training/Travel	2,000	5,148	6,000
10-1-9-00-75-700 Membership Dues	15,000	10,531	12,000
10-1-9-00-75-750 Uniforms	200	300	400
Community Relations Total	69,411	107,538	75,720
Customer Service			
10-3-9-00-50-045 After Hours Service	12,000	8,567	10,000
10-3-9-00-50-060 Automatic Bank Debit Fees	185,000	88,569	185,000
10-3-9-00-50-070 Customer Relations	2,500	1,309	2,500
10-3-9-00-50-090 Employee Recognition	720	402	560
10-3-9-00-50-100 Cust. Info Document Disposal	2,500	4,918	4,000
10-3-9-00-50-150 Floor & Site Plan Measurements	-	-	-
10-3-9-00-50-350 Outsource of Utility Bills Expense	8,500	788	5,000
10-3-9-00-50-670 Training/Travel	3,000	-	5,000
10-3-9-00-50-800 Salaries	475,615	499,883	507,909
10-3-9-00-50-810 Temporary	-	14,679	21,539
10-3-9-00-50-820 Overtime	17,214	332	10,000
10-3-9-00-50-830 SS Match 6.2%	32,531	31,680	31,490
10-3-9-00-50-840 Health/Life Insurance	36,543	112,045	117,087
10-3-9-00-50-850 Medicare Match	7,728	7,601	7,619

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Type/Department/Account	2023 Budget	2023 Projection	2024 Proposed
10-3-9-00-50-860 Pension Contribution - 401(A) Match	26,235	23,629	26,148
10-3-9-00-50-870 Unemployment Compensation	1,762	906	1,003
10-3-9-00-70-465 Publications and Recordings	2,500	122	1,500
Customer Service Total	814,348	795,430	936,354
Engineering			
10-3-9-00-40-090 Employee Recognition	1,200	1,200	1,200
10-3-9-00-40-170 Easements and District Boundries	30,000	20,965	20,000
10-3-9-00-40-230 GIS Support	20,000	-	13,250
10-3-9-00-40-590 RR Right-of-Way & Special Permits	9,300	9,300	9,765
10-3-9-00-40-650 Engineering Planning	10,000	4,927	10,000
10-3-9-00-40-670 Training/Travel	10,000	4,659	15,000
10-3-9-00-40-700 Membership Fees	1,200	1,090	500
10-3-9-00-40-750 Uniform Allowance	1,360	646	-
10-3-9-00-40-800 Salaries	1,494,967	1,380,591	1,544,208
10-3-9-00-40-810 Temporary	34,239	1,298	-
10-3-9-00-40-820 Overtime	12,681	-	-
10-3-9-00-40-830 SS Match 6.2%	92,674	87,495	95,741
10-3-9-00-40-840 Health/Life Insurance	212,337	309,448	331,109
10-3-9-00-40-850 Medicare Match	21,829	20,994	23,163
10-3-9-00-40-860 Pension Contribution - 401(A) Match	74,737	65,258	68,820
10-3-9-00-40-870 Unemployment Compensation	4,770	2,502	2,639
10-3-9-00-42-600 CIP Dept. Operations	4,000	725	-
10-3-9-00-70-055 Sustainability Committee	11,832	8,964	15,000
10-3-9-10-40-235 Sewer Modeling Software	5,000	7,875	7,725
10-3-9-20-30-290 Green Mountain Augmentation	34,608	34,608	36,338
10-3-9-20-30-295 Wolford Mtn - Augmentation	213,413	222,500	233,625
10-3-9-20-34-040 USGS Gage Contracts	86,520	86,520	90,846
10-3-9-20-90-030 Water Rights Protection	175,000	237,847	240,000
10-3-9-20-90-040 Consulting-Water Budgeting	-	-	-
Engineering Total	2,561,667	2,509,412	2,758,929
Field Ops			
10-3-9-00-20-090 Employee Recognition	2,500	2,500	2,100
10-3-9-00-20-100 Chemicals-Lift Stations	30,000	15,000	30,000
10-3-9-00-20-280 Meals - On the Job/Field	2,000	3,159	2,400
10-3-9-00-20-400 Office Supplies	3,000	928	2,500
10-3-9-00-20-495 811 Fees	10,000	6,846	7,500
10-3-9-00-20-515 Snow Removal	10,000	500	10,000
10-3-9-00-20-525 Distribution Sys. Equip. & Supplies	6,000	2,168	6,000
10-3-9-00-20-560 Small Tools - Field	65,000	26,658	65,000
10-3-9-00-20-600 Supplies - Field	200,000	164,002	200,000
10-3-9-00-20-670 Training/Tuition/Certification/Travel	55,000	19,292	45,000
10-3-9-00-20-700 Membership Fees	750	500	750
10-3-9-00-20-750 Uniform Allowance	5,902	8,446	7,800
10-3-9-00-20-800 Salaries	1,569,813	1,769,512	1,805,126
10-3-9-00-20-810 Temporary	80,279	93,355	118,690
10-3-9-00-20-820 Overtime	50,070	44,892	20,000
10-3-9-00-20-830 SS Match 6.2%	105,410	110,558	111,918
10-3-9-00-20-840 Health/Life Insurance	400,565	409,062	427,470
10-3-9-00-20-850 Medicare Match	24,652	27,033	27,077
10-3-9-00-20-860 Pension Contribution - 401(A) Match	85,008	79,729	87,855
10-3-9-00-20-870 Unemployment Compensation	4,951	1,752	3,369
10-3-9-10-20-200 Electricity - Collections (Lift Stations/PRV's)	35,441	17,645	18,200

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Type/Department/Account	2023 Budget	2023 Projection	2024 Proposed
10-3-9-10-20-520 Repairs - Collection System	80,000	71,355	90,000
10-3-9-10-20-525 Collection System Equip & Supplies	10,000	5,503	10,000
10-3-9-10-20-535 Collection System CCTV Inspections (contractor)	-	-	125,000
10-3-9-20-20-200 Electricity - Dist. (BPS,tanks,PRV,Heat tape)	131,250	120,113	123,800
10-3-9-20-20-520 Repair - Distribution System	100,000	402,921	150,000
10-3-9-20-30-490 Repairs - Building & Grounds BPS	5,000	2,174	5,000
10-3-9-20-30-505 Repairs & Maint BPS	40,000	12,161	40,000
10-3-9-20-90-009 Engineering - ERWSD Water (FO)	10,000	-	10,000
Field Ops Total	3,122,591	3,417,764	3,552,554
Finance			
10-1-9-00-70-210 Errors / Claims Settled	20,000	2,679	75,000
10-1-9-00-90-160 Audit	48,410	58,430	60,000
10-1-9-00-90-180 Financial Consulting	35,000	19,435	26,250
10-3-9-00-60-065 Chandler Admin Fees	35,000	23,365	33,600
10-3-9-00-60-090 Employee Recognition	550	550	560
10-3-9-00-60-100 Finance Dept Admin Expense	500	500	500
10-3-9-00-60-400 Office Supplies	2,500	2,388	2,500
10-3-9-00-60-670 Training/Travel	6,500	2,924	7,000
10-3-9-00-60-700 Membership Fees	1,000	1,000	1,000
10-3-9-00-60-800 Salaries	509,857	667,338	724,601
10-3-9-00-60-810 Temporary	31,543	-	-
10-3-9-00-60-820 Overtime	5,178	1,888	-
10-3-9-00-60-830 SS Match 6.2%	36,049	41,449	45,391
10-3-9-00-60-840 Health/Life Insurance	122,418	147,715	160,536
10-3-9-00-60-850 Medicare Match	8,431	9,825	10,891
10-3-9-00-60-860 Pension Contribution - 401(A) Match	29,072	33,248	33,855
10-3-9-00-60-870 Unemployment Compensation	690	690	1,298
10-3-9-00-70-775 Other Real Estate Leased	137,623	151,635	166,798
10-3-9-20-30-160 Eagle Park Oper. Assessments	180,711	164,132	180,545
Finance Total	1,211,032	1,329,189	1,530,324
Human Resources			
10-1-9-00-70-110 Insurance-Director Liability	34,126	-	35,491
10-3-9-00-70-360 Property & Liability Insurance	341,551	421,717	438,586
10-3-9-00-80-080 Benefit Administration	60,000	34,610	60,000
10-3-9-00-80-085 HRIS/Payroll	64,600	41,270	75,000
10-3-9-00-80-090 Employee Recognition	21,500	37,894	28,900
10-3-9-00-80-100 Hazardous Waste Disposal	4,600	12,663	10,000
10-3-9-00-80-350 H.R. - Admin. Expense	1,000	1,000	1,000
10-3-9-00-80-400 Office Supplies	750	750	600
10-3-9-00-80-450 Random CDL/Post Accid. Drug Tests	1,500	174	1,500
10-3-9-00-80-475 Recruiting Costs	30,000	9,961	35,000
10-3-9-00-80-476 Relocation Costs	25,000	10,353	35,000
10-3-9-00-80-550 Safety	102,500	112,456	125,000
10-3-9-00-80-552 HR/Safety Training	19,607	6,918	30,000
10-3-9-00-80-555 Security - General	25,870	25,444	25,870
10-3-9-00-80-670 Training/Travel	27,000	37,644	38,000
10-3-9-00-80-700 Membership	5,000	3,000	4,000
10-3-9-00-80-750 Uniform Annual Order	10,000	18,475	39,000
10-3-9-00-80-755 Wellness Program	47,500	13,650	62,660
10-3-9-00-80-760 Org Consulting	20,000	-	10,000
10-3-9-00-80-800 Salaries	705,097	672,423	720,299
10-3-9-00-80-810 Temporary	-	2,019	26,960

Appendix C: Line Item Detail

Type/Department/Account	2023 Budget	2023 Projection	2024 Proposed
10-3-9-00-80-820 Overtime	3,091	117	-
10-3-9-00-80-830 SS Match 6.2%	43,908	42,615	44,659
10-3-9-00-80-840 Health/Life Insurance	105,510	150,718	157,500
10-3-9-00-80-850 Medicare Match	10,269	10,225	10,804
10-3-9-00-80-860 Pension Contribution - 401(A) Match	35,410	31,784	34,339
10-3-9-00-80-870 Unemployment Compensation	2,124	1,219	1,317
10-3-9-00-80-880 Workman's Compensation	94,552	83,953	87,311
Human Resources Total	1,842,065	1,783,051	2,138,796
IT			
10-1-9-00-45-070 Copier/Printer/Fax	20,000	6,742	12,000
10-1-9-00-45-090 Employee Recognition	1,000	1,000	1,000
10-1-9-00-45-200 Contract Billing and Network Support	100,000	100,000	100,000
10-1-9-00-45-280 IT Admin Expenses	1,000	1,000	1,000
10-1-9-00-45-300 Software	893,507	893,507	982,858
10-1-9-00-45-400 Hardware	374,000	411,191	280,000
10-1-9-00-45-450 Phones/Telecom/Data Communications	180,000	148,137	162,511
10-1-9-00-45-490 Pagers & Cell Phones	170,000	177,201	184,289
10-1-9-00-45-670 Training/Travel - IT	66,000	66,000	72,000
10-1-9-00-45-750 Uniform Allowance	3,291	3,291	3,960
10-1-9-00-45-800 Salaries	1,230,874	1,212,161	1,499,896
10-1-9-00-45-820 Overtime	28,565	106	-
10-1-9-00-45-830 SS Match 6.2%	78,085	76,821	80,511
10-1-9-00-45-840 Health/Life Insurance	211,097	271,696	283,922
10-1-9-00-45-850 Medicare Match	18,262	18,433	19,479
10-1-9-00-45-860 Pension Contribution - 401(A) Match	62,972	57,297	62,052
10-1-9-00-45-870 Unemployment Compensation	3,693	2,197	2,379
10-3-9-00-20-491 Radio Equip & Maintenance	20,000	1,156	21,600
VMWare Enterprise Licensing			63,037
Web Development			20,000
FortiSandbox Decision Item			842
IT Total	3,462,346	3,447,934	3,853,334
Lab			
10-3-9-00-35-020 Biomonitoring	25,200	24,880	26,450
10-3-9-00-35-090 Employee Recognition	400	343	560
10-3-9-00-35-105 Chemicals - Lab	20,000	21,468	22,000
10-3-9-00-35-230 LIMS Support	20,000	19,561	21,000
10-3-9-00-35-310 Micro Bio Supplies - Wastewater	5,000	4,728	5,000
10-3-9-00-35-320 Micro Bio Supplies - Water	15,000	20,643	21,000
10-3-9-00-35-400 Office Supplies	675	578	700
10-3-9-00-35-430 Outside Lab - Wastewater	20,000	23,881	20,000
10-3-9-00-35-440 Outside Services - Lab	7,000	8,691	10,000
10-3-9-00-35-450 Outside Services - WW Nonylphenol	7,000	6,944	7,350
10-3-9-00-35-580 Special Sampling	15,000	17,357	20,000
10-3-9-00-35-585 Sept WQ Sampling & Analysis	60,000	60,568	77,000
10-3-9-00-35-590 Black Gore Creek Water Quality	7,000	6,212	7,000
10-3-9-00-35-615 Supplies - Main Lab	10,000	12,892	13,000
10-3-9-00-35-670 Training/Tuition/Certification/Travel	8,580	2,539	8,580
10-3-9-00-35-700 Membership Fees	315	239	328
10-3-9-00-35-750 Uniform Allowance	1,190	1,180	1,400
10-3-9-00-35-780 Lab Equipment - Routine/Small	8,000	9,301	8,320
10-3-9-00-35-800 Salaries	488,941	533,862	573,873
10-3-9-00-35-820 Overtime	3,261	3,351	-

Appendix C: Line Item Detail

Type/Department/Account	2023 Budget	2023 Projection	2024 Proposed
10-3-9-00-35-830 SS Match 6.2%	30,518	33,834	35,580
10-3-9-00-35-840 Health/Life Insurance	109,416	119,661	125,045
10-3-9-00-35-850 Medicare Match	7,133	8,118	8,608
10-3-9-00-35-860 Pension Contribution - 401(A) Match	24,611	25,235	27,084
10-3-9-00-35-870 Unemployment Compensation	1,457	968	1,038
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
10-3-9-10-34-039 Wastewater Regulatory Legal	30,000	35,918	31,200
10-3-9-10-34-040 WW Discharge-Water Quality Tech Support/Studies	120,000	64,020	100,000
10-3-9-10-90-041 Eagle Mine Legal & Consulting	19,000	29,501	19,760
Lab Total	1,114,697	1,146,472	1,241,876
Ops Tech			
10-1-9-00-47-090 Employee Recognition	720	658	720
10-1-9-00-47-150 OTS Support Services	26,000	17,422	26,000
10-1-9-00-47-280 OTS Admin Expenses	4,000	2,473	4,000
10-1-9-00-47-400 OTS Hardware & Equipment	73,000	81,567	85,000
10-1-9-00-47-450 MCC Maintenance and Cleaning	20,000	20,000	35,000
10-1-9-00-47-560 Small Tools & Equipment	25,000	22,629	25,000
10-1-9-00-47-670 Training/Tuition/Certification/Travel	30,000	29,821	30,000
10-1-9-00-47-750 Uniform Allowance	2,700	2,519	3,285
10-1-9-00-47-800 Salaries	952,717	956,315	1,027,905
10-1-9-00-47-820 Overtime	13,345	9,523	-
10-1-9-00-47-830 SS Match 6.2%	47,186	60,607	63,730
10-1-9-00-47-840 Health/Life Insurance	202,611	214,350	223,996
10-1-9-00-47-850 Medicare Match	11,035	14,542	15,419
10-1-9-00-47-860 Pension Contribution - 401(A) Match	38,053	45,203	48,844
10-1-9-00-47-870 Unemployment Compensation	2,243	1,733	1,873
Ops Tech Total	1,448,610	1,479,363	1,590,771
Utility Services			
10-3-9-00-20-140 Custodial Services	110,000	109,806	135,000
10-3-9-00-20-150 Contracted Painting	-	10,948	5,000
10-3-9-00-20-225 Fleet Maintenance	100,000	158,713	100,000
10-3-9-00-20-227 Fleet - Small Tools	5,000	13,529	11,000
10-3-9-00-20-230 GPS Vehicle Tracking & Diagnostics	16,000	15,793	16,000
10-3-9-00-20-240 Gas for vehicles	72,500	102,177	110,000
10-3-9-00-20-680 Trash Service	33,000	33,000	35,000
10-3-9-00-20-755 Vehicle Contract Maint.	20,000	20,000	70,000
10-3-9-00-20-760 Water & Sewer Utility Bill-Vail Admin	57	-	-
10-3-9-00-21-050 Cross Connection Program	45,000	45,000	45,000
10-3-9-00-21-090 Employee Recognition	900	1,285	1,120
10-3-9-00-21-160 Contracted Plumbing	85,000	84,990	20,000
10-3-9-00-21-260 Janitorial Services	-	16	-
10-3-9-00-21-400 Office Supplies	500	1,373	500
10-3-9-00-21-560 Small Tools	7,000	4,958	7,000
10-3-9-00-21-670 Training/Travel	8,000	8,000	13,400
10-3-9-00-21-675 Tuition Reimbursement	9,000	-	-
10-3-9-00-21-750 Uniform Allowance	2,000	2,000	4,050
10-3-9-00-21-800 Salaries	953,062	1,018,102	1,093,590
10-3-9-00-21-810 Temporary	-	-	25,460
10-3-9-00-21-820 Overtime	10,777	21,859	-
10-3-9-00-21-830 SS Match 6.2%	59,760	64,522	67,803
10-3-9-00-21-840 Health/Life Insurance	227,771	228,199	238,468

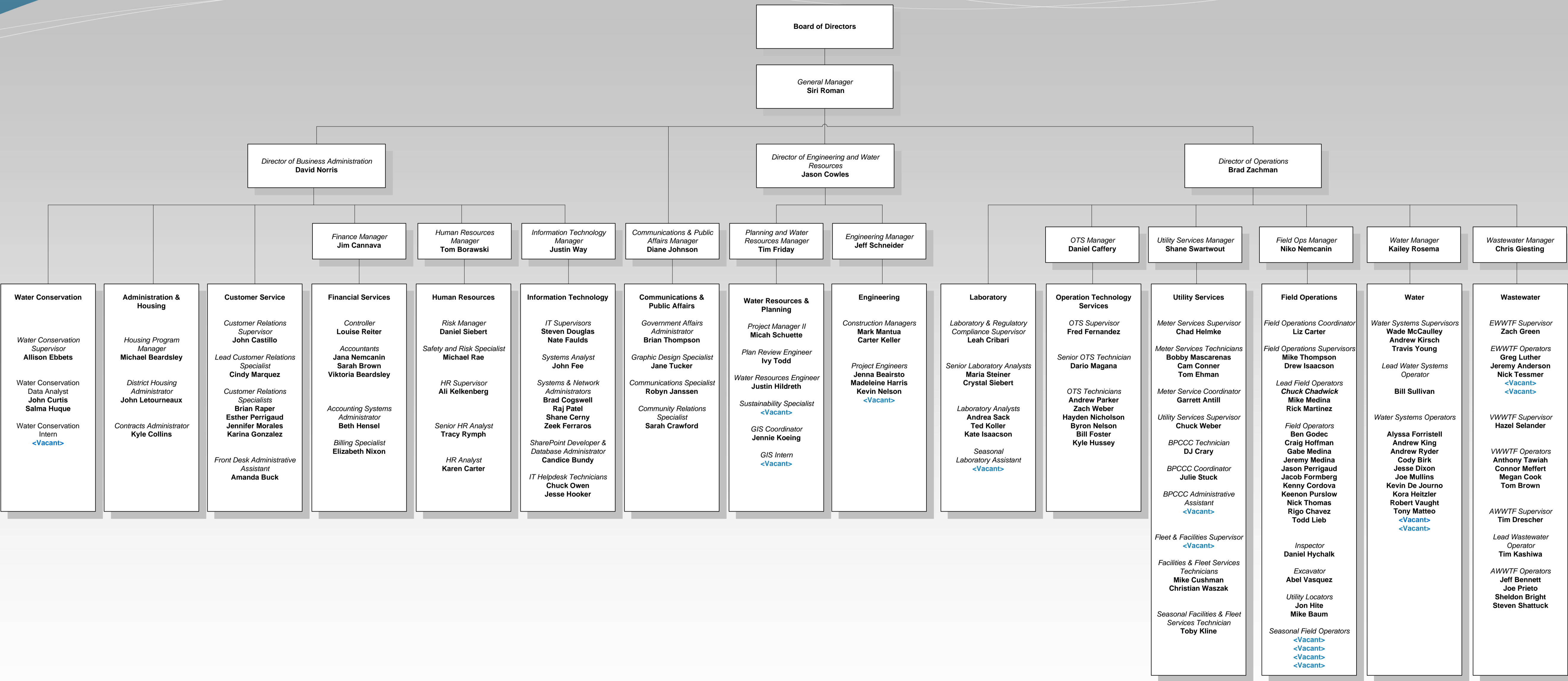
Appendix C: Line Item Detail

Type/Department/Account	2023 Budget	2023 Projection	2024 Proposed
10-3-9-00-21-850 Medicare Match	13,967	15,482	16,404
10-3-9-00-21-860 Pension Contribution - 401(A) Match	48,193	48,124	51,774
10-3-9-00-21-870 Unemployment Compensation	2,843	1,845	1,985
10-3-9-10-20-205 Electricity - Avon Admin	20,000	8,695	18,000
10-3-9-10-20-500 Repairs - Building	130,000	135,829	160,000
10-3-9-10-20-501 Repairs - Grounds	-		20,000
10-3-9-10-21-770 Meter Purchases for Inventory & Repairs	1,005,000	695,674	800,000
10-3-9-20-21-771 Meter Replacement/Equip Parts - Vail	405,000	405,000	300,000
10-3-9-20-21-772 Contracted Services	-	38,823	85,000
Utility Services Total	3,390,330	3,293,742	3,451,554
Wastewater			
10-3-9-10-10-090 Employee Recognition	1,360	1,406	1,440
10-3-9-10-10-400 Admin Expense	1,200	600	1,200
10-3-9-10-10-410 Outside Lab - Biosolids	7,200	10,352	15,000
10-3-9-10-10-670 Training/Tuition/Certification/Travel	22,500	15,467	18,000
10-3-9-10-10-700 Membership Fees	800	972	800
10-3-9-10-10-750 Uniform Allowance	5,086	1,247	5,400
10-3-9-10-10-790 On-Call Engineering Service	40,000	20,473	-
10-3-9-10-10-800 Salaries	1,316,132	1,364,739	1,413,518
10-3-9-10-10-820 Overtime	28,289	14,425	14,425
10-3-9-10-10-830 SS Match 6.2%	87,944	86,491	87,638
10-3-9-10-10-840 Health/Life Insurance	296,257	305,895	319,660
10-3-9-10-10-850 Medicare Match	20,517	20,753	21,203
10-3-9-10-10-860 Pension Contribution - 401(A) Match	70,924	64,509	71,027
10-3-9-10-10-870 Unemployment Compensation	4,145	2,473	2,723
10-3-9-10-11-130 Chemicals-Process-Vail	4,000	3,600	7,400
10-3-9-10-11-160 Discharge Permits-Vail	14,500	7,500	15,100
10-3-9-10-11-200 Electricity-WW Plants-Vail	221,910	206,013	212,194
10-3-9-10-11-350 Natural Gas-Vail	45,232	35,735	39,308
10-3-9-10-11-500 Repairs-Equipment-Vail	55,750	46,146	55,000
10-3-9-10-11-760 Water & Sewer Utility Bill-Vail	2,500	1,464	8,000
10-3-9-10-12-130 Chemicals-Process-Avon	10,000	10,000	20,000
10-3-9-10-12-160 Discharge Permits-Avon	14,500	14,500	15,100
10-3-9-10-12-200 Electricity-WW Plants-Avon	205,130	163,935	183,853
10-3-9-10-12-260 Janitorial Supplies	1,132	2,575	2,500
10-3-9-10-12-350 Natural Gas-Avon	183,419	215,934	237,527
10-3-9-10-12-500 Repairs-Equipment-Avon	91,815	93,895	91,815
10-3-9-10-12-760 Water & Sewer Utility Bill-Avon	7,824	3,633	7,200
10-3-9-10-13-120 Chemicals-Polymer-Edwards	160,000	102,084	100,000
10-3-9-10-13-130 Chemicals-Process-Edwards	-	13,331	15,000
10-3-9-10-13-160 Discharge Permits-Edwards	16,727	16,727	17,400
10-3-9-10-13-200 Electricity-WW Plants-Edwards	522,833	540,837	557,062
10-3-9-10-13-260 Janitorial Supplies	824	822	2,500
10-3-9-10-13-350 Natural Gas-Edwards	67,947	90,574	74,742
10-3-9-10-13-355 Odor Control - Edwards	66,000	66,000	66,000
10-3-9-10-13-500 Repairs-Equipment-Edwards	168,315	236,214	200,000
10-3-9-10-13-760 Water & Sewer Utility Bill-Edwards	16,152	4,022	30,000
Wastewater Total	3,778,864	3,785,342	3,929,734
Water			
10-3-9-00-30-090 Employee Recognition	1,280	87	1,440
10-3-9-00-30-260 Janitorial Supplies	-	249	2,500
10-3-9-00-30-400 Office Supplies	2,000	223	2,000

Appendix C: Line Item Detail

Type/Department/Account	2023 Budget	2023 Projection	2024 Proposed
10-3-9-00-30-600 Supplies/Small Tools	5,500	5,300	5,500
10-3-9-00-30-670 Training/Tuition/Certification/Travel	17,000	4,914	15,000
10-3-9-00-30-700 Membership Fees	11,550	10,328	12,000
10-3-9-00-30-750 Uniform Allowance	4,488	351	5,400
10-3-9-00-30-800 Salaries	1,449,914	1,364,739	1,546,111
10-3-9-00-30-820 Overtime	33,292	31,437	-
10-3-9-00-30-830 SS Match 6.2%	91,919	86,491	95,859
10-3-9-00-30-840 Health/Life Insurance	323,144	305,895	337,685
10-3-9-00-30-850 Medicare Match	21,497	20,753	23,192
10-3-9-00-30-860 Pension Contribution - 401(A) Match	74,129	64,509	72,759
10-3-9-00-30-870 Unemployment Compensation	4,348	2,473	2,790
10-3-9-20-30-100 Treatment-Chemicals & Supplies	90,956	92,081	100,000
10-3-9-20-30-200 Electricity - Treatment (Plants & Wells)	225,584	175,832	201,200
10-3-9-20-30-425 Lab Services	25,000	14,291	26,000
10-3-9-20-30-460 Licensing & State Fees	5,000	3,386	7,000
10-3-9-20-30-495 Building & Grounds Vail Plants	20,000	19,250	20,000
10-3-9-20-30-500 O&M-Wells & GVDWF	26,000	34,032	34,100
10-3-9-20-30-507 Repairs & Maintenance - Tanks	20,000	1,078	20,000
10-3-9-20-30-555 Sewer service - GVDWF	2,000	4,190	4,200
10-3-9-20-30-600 Lab Supplies/Chemicals/Reagents	30,000	27,503	30,000
10-3-9-20-30-603 Raw Water Resources	2,000	256	4,500
10-3-9-20-30-780 Water Tank Cleaning	15,000	15,000	15,600
10-3-9-20-34-030 Fish Stocking - Black Lakes	35,274	35,274	36,700
10-3-9-20-90-010 Engineering - Vail Water	17,500	4,326	10,000
Water Total	2,554,375	2,324,246	2,631,536
Water Conservation			
10-3-9-20-85-040 Consulting - Water Conservation	15,000	8,850	10,000
10-3-9-20-85-090 Employee Recognition	-		400
10-3-9-20-85-777 Water Conservation Program Rebates	25,000	-	10,000
10-3-9-20-85-778 Water Conservation Program	11,000	11,274	30,000
10-3-9-20-85-800 Salaries	-		306,525
10-3-9-20-85-810 Salaries	-		30,511
10-3-9-20-85-830 SS Match 6.2%	-		19,005
10-3-9-20-85-840 Health/Life Insurance	-		107,774
10-3-9-20-85-850 Medicare Match	-		4,598
10-3-9-20-85-860 Pension Contribution - 401(A) Match	-		10,272
Water Conservation Total	51,000	20,124	529,085
Ops Total	28,548,023	28,167,492	30,655,765
Grand Total	72,936,667	60,058,312	51,763,010

Appendix D: Organization Chart



**OPERATIONS AGREEMENT
EAGLE RIVER WATER & SANITATION DISTRICT AND
UPPER EAGLE REGIONAL WATER AUTHORITY**

This Agreement is entered into as of the 26th day of October 2023, to be effective January 1, 2024, by and between UPPER EAGLE REGIONAL WATER AUTHORITY, a political subdivision and a public corporation of the State of Colorado ("Authority"), and EAGLE RIVER WATER & SANITATION DISTRICT, a quasi-municipal corporation of the State of Colorado ("District").

WHEREAS, among its other functions Authority owns and operates a water supply, treatment, and distribution system substantially within the boundaries of District; and

WHEREAS, Authority does not have the personnel or equipment to operate and maintain its water supply, treatment, and distribution system; and

WHEREAS, District has sufficient experience, personnel, and equipment to perform the operations and maintenance services desired by Authority; and

WHEREAS, Authority has constructed and owns facilities requiring operation and maintenance services of District; and

WHEREAS, Authority and District desire that all previous Operations Agreements be superseded by this Agreement.

NOW, THEREFORE, in consideration of the premises, the mutual advantages accruing to the parties hereto and the mutual undertakings herein contained, the parties hereto agree as follows:

**ARTICLE 1
GENERAL CONDITIONS**

- 1.1 District shall provide in a good and workmanlike manner the services described in this Agreement upon the terms and conditions herein stated. District shall furnish services of its various employees and staff in the management, administration, annual capital plan management, and operation and maintenance of:
 - 1.1.1 all equipment and facilities under the control and/or ownership of Authority including, but not limited to diversion structures, water treatment plants, wells, the interconnection with District water system, raw water pumps and transport lines, treated water distribution lines, hydrants and valves, pumps and storage tanks, water meters, and;
 - 1.1.2 any other water facilities now owned or hereafter acquired, controlled, or operated by Authority.
 - 1.1.3 All water facilities and systems now owned or hereafter acquired, controlled, or operated by Authority, together with all additions, improvements or replacements shall be collectively referred to as "Authority's Facilities."
- 1.2 District shall comply with all applicable local, State and Federal laws, rules, and regulations in its operation of Authority's Facilities.
- 1.3 District shall provide the services described herein, in accordance with the rules and regulations of District and Authority.

- 1.4 District shall be an independent contractor, and nothing herein contained shall be construed to create the relationship of principal and agent or employer and employee between Authority and District. Any person or party hired by District shall be the employee, agent, servant, or contractor of District.

ARTICLE 2 SCOPE OF SERVICES

- 2.1 For Authority's Facilities, District shall provide all management, annual capital plan management, engineering and consultant management, operations and preventive, predictive and corrective maintenance, meter reading and billing, accounting and financial requirements, internal and external laboratory activities, and quality assurance necessary to manage and operate Authority's Facilities in compliance with legal and regulatory requirements and at levels which meet or exceed those generally accepted standards customary to the industry. District agrees to employ and provide to Authority the services of sufficient highly-trained, qualified and experienced personnel, including management, system operators, maintenance, finance, accounting, customer service and billing personnel; and, technical, laboratory and administrative staff who meet applicable State of Colorado certification and/or licensing requirements and who are so certified and/or licensed, to manage, operate, maintain and otherwise administer Authority's Facilities to supply, treat and distribute water to the customers of the Authority. Such employees shall be and remain the employees of the District and shall not be considered to be employees of the Authority for any purposes.
- 2.2 Specifically District shall:
- 2.2.1 Provide all personnel and associated wages, salaries, and benefits; fuel and vehicle expense necessary to manage, administer and operate Authority's Facilities in accordance with all United States Environmental Protection Agency and State of Colorado applicable laws, regulations, statutes and guidelines. At a minimum, District shall provide:
- a. management, including administration and support of Board activities;
 - b. computer-based management, finance and budgeting systems;
 - c. Computerized Maintenance Management Systems (CMMS);
 - d. quality control and assurance systems;
 - e. laboratory quality assurance and quality control (QA/QC) consistent with US Environmental Protection Agency guidelines and protocol and with state requirements for certification for bacteriological testing;
 - f. routine maintenance and repair of buildings and grounds up-keep and maintenance, and reasonable provisions to keep buildings and equipment secure from vandalism and other loss.
- 2.2.2 Assume all responsibility for, and liabilities and payment of, any fines resulting from District's negligent operation, or operation not in conformance with applicable laws or regulations.
- 2.3 District shall provide all personnel and associated wages, salaries, and benefits; fuel and vehicle expense necessary to operate and maintain Authority's Facilities including structures (e.g., buildings, water treatment plants, water storage tanks, pumping stations, distribution systems, meters) and equipment (e.g., mechanical, electrical, HVAC, instrumentation, communications, CMMS and Supervisory Control and Data Acquisition (SCADA) systems) to assure efficient long

- term reliability, and preservation of the capital investment therein. Maintenance shall be accomplished in accordance with manufacturers' recommendations, applicable O&M manuals, and customary industry standards. District shall employ a comprehensive preventive and predictive maintenance program. District shall also assure that all existing warranties and maintenance agreements shall remain in full force and effect and shall maintain all warranties on equipment placed in service after the effective date of this Agreement. The foregoing notwithstanding, Authority shall pay for any computer hardware or software required to operate an Authority plant or system as well as any licensing fees for such processes. These items shall become the property of Authority.
- 2.4 District shall provide all personnel and associated wages, salaries, and benefits; materials, and other services necessary to administer and manage the Capital Construction, Capital Replacement Programs including, but not limited to engineering contract administration; review of engineering studies and designs; value engineering; construction contract administration; inspection services; progress payment processing; budget tracking and accounting; and dispute resolution. The Capital Construction and Capital Replacement Programs for this contract period is attached hereto as **Exhibit A**.
- 2.5 District shall provide all personnel and associated wages, salaries, and benefits; vehicle and fuel expense; materials and postage; and other services necessary to manage and operate the billing and customer service functions including, but not limited to management; meter reading; billing software and bill production; payment collection, processing and accounting; maintenance of customer account database; effective customer service and relations; support and quality assurance systems.
- 2.6 District shall provide all personnel and associated wages, salaries, and benefits; vehicle and fuel expense; materials and other services necessary to manage and operate the budgeting, accounting and financial systems in compliance with State law and regulation, and consistent with generally accepted accounting principles, including, but not limited to management; annual budget preparation; accounts receivable and accounts payable; complete financial accounting and budgeting; and periodic reporting to Authority Board of Directors and applicable State agencies.
- 2.7 District shall compile and maintain comprehensive daily and monthly records for facilities and systems operations, regulatory matters, laboratory analyses, maintenance plans and activities, financial matters, permit and compliance results, equipment status, and other relevant information in accordance with applicable laws, regulations, permits and guidelines. Reports will be provided to Authority Board of Directors, as appropriate, to assure compliance with the above.
- 2.8 To ensure effective communications, District staff shall:
- 2.8.1 Meet up to twelve times (12) times per year with Authority's Board and such additional meetings as necessary with Authority's designated representative(s) to review operations, reports, ongoing cost information, and upcoming projects and/or operations which may impact service delivery or the public;
- 2.8.2 Conduct a tri-annual comprehensive plant and system inspection with Colorado Department of Public Health and Environment (CDPHE) representative(s) to evaluate and document, regulatory compliance;
- 2.8.3 Conduct annual safety inspections of all Authority facilities; and
- 2.8.4 Conduct storage tank condition assessments every 5 years.
- 2.9 District shall perform routine inspections and evaluations of all facilities, following industry best management practices, and utilize the CMMS system to manage corrective, preventive or

Appendix E: Operating Agreement with the Authority

- predictive maintenance. Any significant concerns shall be communicated to the Authority at the earliest possible opportunity. District shall notify Authority of specific capital expenditure needs for remedial maintenance, replacement, upgrading of structures, systems, equipment, etc. The evaluation shall include a cost-effectiveness analysis and/or other documentation in support of any repair/replacement/upgrade recommendations made by District. District shall prepare an Annual Capital and Capital Replacement Plan, and submittal shall be timed to coincide with Authority's annual budget preparation.
- 2.10 District shall comply with State public bid requirements when contracting on behalf of Authority for projects valued in excess of \$120,000 (HB 23-1023).
 - 2.11 District shall revise as necessary the comprehensive Emergency Preparedness Plan for interaction and coordination with agencies of Eagle County, town of Vail, town of Avon, town of Minturn and other special districts. District shall plan for and deal with any and all reasonably foreseeable emergencies or abnormal conditions that may arise and use best efforts to maintain or restore delivery of water services to Authority's customers.
 - 2.12 District shall maintain responsible and responsive working relationships with Authority's customers, the public, and representatives of Authority, regulatory agencies, and other entities with which Authority has dealings.
 - 2.13 District shall staff Authority's Facilities as necessary to carry out all functions of such Facilities in accordance with this Agreement.
 - 2.14 District shall manage and direct the activities of the Authority's General Counsel in the provision of legal services for the Authority, including, but not limited to, contracts, collections, litigation, and property interests, and shall report on such activities to the Authority Board.
 - 2.15 With regard to Authority water rights District shall:
 - 2.15.1 Maintain a listing of and manage all water rights leased to or owned by Authority.
 - 2.15.2 Prepare monthly accounting of daily diversions attributable to each Authority member, Cordillera Metropolitan District, Bachelor Gulch Metropolitan District and Traer Creek Metropolitan District, for review by the Authority's Water Engineer and submit to the State of Colorado.
 - 2.15.3 Assign each Authority customer's water consumption to the appropriate water right, track consumption of each, compile monthly reports, and submit to Authority's Water Engineer for approval and submission to the State of Colorado.
 - 2.15.4 Review each request for service to determine if there is currently availability to serve it.
 - 2.15.5 Determine whether water rights are available for new development and expansions of current development.
 - 2.15.6 Prepare an annual plan for the allocation and use of water resources, particularly during anticipated low flows in the Eagle River.
 - 2.15.7 Advise the Authority Board of opportunities to purchase additional water rights for the Authority.
 - 2.16 District shall not convey, waive or relinquish any interest in real property, including water rights, without prior approval of the Authority Board.

ARTICLE 3 OPERATIONS

- 3.1 District shall have full responsibility for the operations of Authority's Facilities. Further, District shall be responsible to:
- 3.1.1 Operate diversion structures, wells, water treatment plants and water pump stations storage tanks and water distribution system in accordance with State laws and requirements of the Safe Drinking Water Act. Any amendments may require services subject to Article 11.2.5.
 - 3.1.2 Cooperate fully with State and County authorities to perform regular tests for water quality in accordance with appropriate government standards.
 - 3.1.3 Operate and maintain the pressure reducing stations which shall include the pressure reducing valves (PRV), pressure relief valves, gate/butterfly valves, strainers, and all other items necessary to keep the pressure reducing stations in operation. Each PRV shall be inspected, tested, and exercised in accordance with the District's regular maintenance schedule.
 - 3.1.4 Check and exercise fire hydrant valves annually. Provide flow test observations as requested.
 - 3.1.5 Identify buildings and uses within Authority's Service Area that require backflow prevention devices. Administer inspection and testing of all backflow devices annually.
 - 3.1.6 Locate, on the ground, water mains and valves, as required.
 - 3.1.7 Provide water shut offs for Authority customers.
 - 3.1.8 Inspect the connection of water service lines to the distribution system and maintain as built location drawings of the service lines, as record drawings.
 - 3.1.9 Provide coordination with other utility companies to ensure minimum interference between Authority's water facilities and District's facilities.
 - 3.1.10 Acquire and administer easements, encroachment agreements, special use permits and any other real property interests necessary and appropriate in connection with operation or construction of Authority facilities. District shall not convey, waive, or relinquish any interest in real property, including water rights, without the prior approval of Authority Board.
 - 3.1.11 Maintain a Geographical Information System (GIS) based mapping system of the water system infrastructure.
 - 3.1.12 Respond to main breaks and meter/service leaks within one hour.
 - 3.1.13 Witness pressure testing and perform periodic open ditch observation of water main and service line construction.
 - 3.1.14 Perform bacteriological testing of newly constructed or repaired water mains.
 - 3.1.15 Provide assistance in the design and operation of Authority's Facilities to ensure continuous economical and safe operation of the system.

- 3.1.16 Actively pursue improvements in effectiveness and efficiency, and reductions in the cost of operations and maintenance.
- 3.1.17 Perform ongoing water auditing and loss control programs to quantify water consumption and losses that occur in the distribution system and the non-revenue water accounting processes of Authority.

ARTICLE 4 GENERAL MAINTENANCE

- 4.1 During the term of this Agreement, District shall have full responsibility for the maintenance of Authority's Facilities, except as otherwise provided herein. District shall be responsible for performing routine, corrective, preventive and predictive maintenance procedures of the facilities and systems, all in a manner that assures the readiness and availability of equipment and systems on a consistent basis, and which ensures efficiency, long-term reliability and conservation of capital investment. District shall provide prudent maintenance in accordance with industry standards, equipment manufacturers' instructions and existing O&M manuals so that upon any termination of this Agreement facilities and systems will be returned to Authority in the same or better condition than at the effective date of this Agreement, normal wear and tear excepted. Such maintenance shall not include costs associated with flood, fire or other abnormal or extraordinary occurrences not within the control of District. Work performed by District or subcontractors shall be of the highest quality normally associated with work of the kind in which District's employees are engaged.
- 4.2 District shall maintain written Standard Operating Procedures (SOPs) as necessary to clarify, refine or supplement procedures provided in O&M manuals or manufacturers' maintenance manuals, or to describe maintenance practices which do not conform with these manuals.
- 4.3 District shall exercise all valves in the distribution system in accordance with industry standards and best management practices. District shall straighten and repair misaligned or broken valve boxes and perform necessary repairs on a time and material basis. In addition to the Services listed herein, District shall provide other services such as water line repairs and valve replacements, on a time and material basis, in accordance with the Fee Schedule for District Equipment and Personnel, attached hereto as **Exhibit B**.
- 4.4 All equipment or facilities added during the term of this Agreement will become the property of Authority. District shall maintain an inventory of Authority Facilities.
- 4.5 District shall be responsible for ensuring snow removal from fire hydrants within the Authority's service area.

ARTICLE 5 MAINTENANCE PLAN

- 5.1 District shall follow a maintenance, repair and replacement plan and maintenance response schedule customary to best industry practices for Authority's Facilities and equipment.
- 5.2 Decisions as to whether to make unanticipated replacement or repair of parts, equipment, or other facilities in excess of budgeted funds will be made by Authority following recommendation from District. Authority's concurrence shall be evidenced by Authority's President and District's concurrence shall be evidenced by District's General Manager.
- 5.3 While performing any maintenance, replacement or repair of Authority's Facilities required by this Agreement, District shall comply with District's "Standard Specifications for Water Lines," a copy of which is attached as **Exhibit C** and incorporated by this reference.

- 5.4 District shall perform all preventive and corrective maintenance in a timely manner. If, in the opinion of, and upon a majority vote of, Authority Board of Directors, preventive or corrective maintenance has been unreasonably delayed, Authority shall so inform District. District shall respond within six (6) working days outlining the reason for delay. If Authority determines that the delay is within the control of District, District shall be so notified, and District shall complete the necessary work, if such work is material to the operation, within six (6) working days or by a date certain beyond six (6) days of notification with approval of Authority. If District fails to complete the work, Authority may terminate this Agreement or take steps to have the specific items of work which have not been performed completed by a third party. The cost of completing this work shall be deducted from any monies owing District by Authority.
- 5.5 District will utilize a CMMS system which provides: a record of repair and repair history for each piece of equipment or line section; control of preventive maintenance; monitoring of routine distribution line operations; monitoring of corrective maintenance programs; issuing of work orders; issuing of exception, equipment status, and repair reports.
- 5.6 For Authority properties containing Authority's Facilities, District shall water, mow, fertilize, prune, remove weeds, maintain and repair permanent sprinkler systems and controls, and otherwise maintain landscaping at Authority's Facilities so that it is at all times reasonably acceptable to Authority.
- 5.7 District shall maintain the appearance and cleanliness of all Authority buildings and structures in accordance with the generally accepted standards customary to the industry at all times, and shall provide those services normally associated with maintenance of water treatment facilities including snow removal.

ARTICLE 6 EMERGENCY MAINTENANCE EXPENDITURES

District shall not obligate Authority to incur any expense for the acquisition of unplanned materials and equipment and third-party services in excess of \$120,000 per occurrence, except in case of emergencies, without prior approval, which may be given orally, by the President or Secretary of Authority, or other designated representative. Verbal requests by District and corresponding directives and approvals shall be followed up in writing at the earliest possible date after the expense is incurred. Authority agrees to include in its operating budget amounts for unscheduled repairs for each major cost center (i.e., water treatment and water distribution).

ARTICLE 7 ADMINISTRATION AND CAPITAL IMPROVEMENTS

District shall provide qualified administrative and technical personnel who shall perform the following duties:

- 7.1 Assist Authority by providing information and recommendations on short and long-term facility needs for Authority's financial planning.
- 7.2 As appropriate prepare Requests for Qualifications (RFQ) and/or Requests for Proposals (RFP) for studies, plans and designs for new facilities, expansion, upgrades, rehabilitation, or repair.
- 7.3 Select qualified and cost-effective consultants for planning and design services.
- 7.4 Act as Authority's representative and agent for design and construction of facilities. Such services shall be included in the Basic Compensation provided for in Article 11.
- 7.5 Administer, as necessary, all Authority's present and future contracts.

Appendix E: Operating Agreement with the Authority

- 7.6 Provide plan, record drawings and easement review and approval for new construction and modifications to the existing water distribution system. Review and respond appropriately to requests for encroachments into Authority easements.
- 7.7 Maintain records and plans, including as-built drawings, for all the Authority's Facilities, including both electronic copies and hard copies of such materials, when practicable.
- 7.8 Maintain a current and accurate set of 1/4 Section drawings of Authority's water system, using a GIS-based water mains mapping system.
- 7.9 Provide Authority with monthly operations and status reports at least 5 days prior to, and attend meetings for, Authority's Board of Directors, as needed. Reporting shall cover operations, capital and special projects, finances, and other matters as directed by Authority. Authority and District shall develop mutually acceptable reporting forms and presentation formats.
- 7.10 Provide for emergency preparedness consisting of a centralized telephone number maintained to provide 24-hour response to emergencies such as interruption of water service because of system failures, line break, freeze-up or other mechanical problems. A copy of the Emergency and Mobilization Procedure is attached hereto as **Exhibit D** and incorporated herein by this reference.

ARTICLE 8 ACCOUNTING AND FINANCIAL

District shall provide qualified accounting personnel at District Office in Vail, Colorado, who shall perform the following duties:

- 8.1 Maintain a general ledger and subsidiary journals for all transactions, which will be accounted for in accordance with Authority's policy and procedures, and which will be in accordance with and governed by generally accepted accounting principles for governmental entities.
- 8.2 Provide quarterly reports to the Board, including, but not limited to:
 - 8.2.1 Water Sales Summary;
 - 8.2.2 Budget Comparison of Revenue and Expenditures.
 - 8.2.3 Status of Annual Capital and Life Cycle Program.
- 8.3 Prepare an Annual Budget and review with Budget Committee prior to the November budget hearing.
- 8.4 Maintain Authority bank accounts and invest excess cash in accordance with Authority's Investment Policy.
- 8.5 Prepare all annual financial statements and audit work papers. Coordinate completion of the audit and filing with the State Auditor by July 30 of each year.
- 8.6 Assist Authority in preparing and maintaining the operations budget, a report of budget variances and a summary of the maintenance costs and records.
- 8.7 In instances of cost sharing with third parties, collect the shared amounts from the other parties in a timely manner.

- 8.8 Recommend rate adjustments, as necessary and appropriate, to the Authority Board of the rates charged for water use and those related to new construction or remodeling of buildings in the Authority's Service Area, for consideration and approval of the Authority Board.
- 8.9 Manage outstanding debt program, ensure bond payments are made timely; coordinate issuance of new debt/bonds.

ARTICLE 9 BILLING AND CUSTOMER SERVICES

District shall provide qualified personnel who shall perform services for monthly water service meter reading and billings subject to the following:

- 9.1 Water service billings shall be issued at the same time and in the same manner as sewer service billings.
- 9.2 The Authority Board shall adopt by resolution, Rules and Regulations in substantially the same form as the District has adopted and as such Rules and Regulations may be amended from time to time. All bills, which remain unpaid 25 days from the date of mailing of such bills, shall have a Late Charge of one percent (5%) per month of any Balance Forward added thereto, which Late Charge, when paid, shall be retained by District. Authority authorizes District to pursue all collection procedures outlined in Authority's Rules and Regulations, to include certification of eligible unpaid and past due amounts to the Eagle County Treasurer for collection as property taxes on Authority's behalf.
- 9.3 As shall be authorized in the Authority's Rules and Regulations, the Authority acting through District personnel, may discontinue water service to customers whose account is past due following notice of disconnection to such customers as provided in the Authority's Rules and Regulations.
- 9.4 In the event a customer's service is unable to be discontinued, District will contract the work to correct any system deficiencies so that the customer's water service is able to be discontinued. The cost of such work may be added to the customer's billing as an adjustment.
- 9.5 Approximately one month after the end of each billing period, District shall remit to Authority, an amount equal to the total water services billed, less all amounts due from customers, which have any amounts in Balance Forward on their bills, which have remained unpaid for more than one hundred twenty (120) days.
- 9.6 District shall provide meter read verifications and respond to requests for service turn-on/shut-off within two days.

ARTICLE 10 PERFORMANCE REVIEW

At the request of the Authority Board, Authority may conduct formal written performance reviews of District. Two (2) performance reviews may be performed, one at the end of six (6) months, and the second in the eleventh (11) month of the Agreement. Authority will provide a copy of the performance reviews to District and schedule a meeting to review the findings with District. If at any time, however, Authority determines that performance has not been in compliance with the provisions of this Agreement, Authority will establish remedial steps for District to gain compliance with the Agreement. If District fails to initiate necessary remedial actions within five (5) working days; Authority shall have sufficient grounds to terminate the Agreement as specified herein.

ARTICLE 11 COMPENSATION

11.1 Authority agrees to pay District the actual cost of providing services. For the services included in the Scope of Services above, an estimated fee of \$8,481,648 shall be paid in monthly payments of \$706,804 as an estimate of Basic Compensation as the phrase is used herein. The determination of the amount of actual Basic Compensation due to District shall be accomplished through an end-of-year audit of District by its independent auditor. The difference of actual versus estimated Basic Compensation shall be paid to the other party within 30 days of acceptance of the District audit by District Board.

11.2 Basic Compensation, for 2024, shall be calculated as follows and is set forth in **Exhibit E**:

11.2.1 Personnel Costs shall include wages and benefits and shall be determined as follows:

- a. For customer service, utility services, human resources, information technology, finance, administration, and engineering excluding CIP, Authority's portion of direct personnel costs shall be that portion costs for the District employees performing those functions multiplied by the percentage determined by dividing the number of Authority accounts serviced by the District by the total number of Authority accounts and water and sanitation accounts serviced by the District.
- b. For all other departments, personnel costs shall be determined by an analysis of time sheets for the twelve (12) month period ending the previous December 31 adjusted for non-routine services provided to Authority on a time-and-material basis.

11.2.2 Vehicle Costs shall include but not be limited to the cost for annual fuel, repair and maintenance, vehicle replacement (by use of annual depreciation expense), and insurance. The total vehicle cost shall be allocated between District and Authority on the basis of 70% to the District and 30% to the Authority. This allocation represents the cost and mileage driven within the parties' service areas.

11.2.3 Overhead Costs applicable to Authority shall be allocated between District and Authority on the basis of direct personnel costs for each, over the previous twelve (12) month period.

11.2.4 Life Cycle, Replacement and Upgrade Costs represent the cost sharing of improvements to IT equipment, by District, which are not associated with Authority treatment, distribution facilities or SCADA systems. This allocation of costs will be reported with specificity as to fairness and reviewed and approved by Authority Audit Committee.

11.2.5 Other Services provided by District shall be billed at rates listed in **Exhibit B** or for amounts agreed to by District and Authority. Tests performed by District Laboratory shall be billed in accordance with the price per sample listed in Exhibit F.

ARTICLE 12 INSPECTION AND AUDIT

Authority reserves the right to enter on any of the facilities covered by this Agreement at any time to observe, inspect or audit any of District's operations, activities, or financial and operating records. Authority agrees to comply with District's operating and safety procedures when entered on any of the facilities covered by this Agreement.

ARTICLE 13 SPECIAL CONDITIONS

- 13.1 Insurance Requirements. At all times during the term of this Agreement, District shall carry and maintain in full force, at District's expense, the following insurance coverage. Such policies shall include a provision requiring a minimum of thirty (30) days' notice to Authority of substantial change or cancellation of coverage or insurance policies.
- 13.1.1 General Comprehensive Liability insurance in an amount of \$350,000 per person and \$990,000 per occurrence, including the following coverage: property damage; underground explosion and collapse hazard; and personal injury.
- 13.1.2 Comprehensive Automobile Liability insurance on all owned vehicles used in connection with the services in an amount of \$350,000 per person and \$990,000 per occurrence combined single limits for bodily injury and property damage.
- 13.1.3 Workers' Compensation insurance in accordance with the provisions of the Workers' Compensation Act of the State of Colorado for all employees to be engaged in the Services.
- 13.2 Certificates of Insurance. Prior to commencement of Services, District shall provide Authority with Certificate(s) of Insurance evidencing the insurance required by this Article and naming Authority as an additional named insured as its interest may appear for all Comprehensive General Liability insurance.
- 13.3 Indemnity. To the extent of the limits of any insurance coverage maintained by District, District further agrees to indemnify and hold Authority harmless from, and defend all actions against, all claims, damages, losses and expenses, including, but not limited to, attorneys' fees arising from any negligent act or omission on the part of District, its agents, or employees, provided, however, that any claim for negligent acts or omissions must be brought in accordance with and subject to the limitations of the Colorado Governmental Immunity Act, C.R.S. 24-10-101, et. seq., as amended, as the same may now or hereafter exist, and nothing herein shall be deemed or construed to be a waiver of the rights granted thereunder. Authority shall provide District with notice of the commencement of any action, subject to this paragraph, not more than five (5) days following receipt by Authority of notice of commencement of such action.
- 13.4 Renegotiation. Duties or services to be performed by District may be added or deleted and charges for services may be renegotiated by either party upon thirty (30) days' written notice to the other party.
- 13.5 Assignment. No assignment of rights and/or obligations shall be made by either party without the express written consent of both parties.
- 13.6 Term of Agreement. The effective date of this Agreement shall be January 1, 2024, and it shall extend for a period of twelve (12) months, ending December 31, 2024. This Agreement shall be automatically extended for additional successive one (1) year periods with no notice required to either party unless either party provides written notice of its intent not to extend the Agreement at the end of the current term and to terminate the Agreement at the end of the current term not later than three (3) months prior to the end of the current term of the Agreement. Annually, **Exhibits A, B, E and F** shall be updated for the extended term by District Staff and copies of such updated Exhibits shall be provided to the Authority Board for approval as part of the Authority's Budget process for the next calendar year.

ARTICLE 14 TERMINATION

- 14.1 This Agreement may be terminated without cause by either party upon giving to the other party three (3) months written notice in advance of the date upon which the termination becomes effective.
- 14.2 In the event of any emergency condition involving the water facilities and systems which is found by Authority to endanger the public health, whether caused by District or otherwise, and District is either unable or unwilling to correct such condition, Authority may terminate without notice this Agreement during the emergency condition, provided that at the conclusion of any such condition, the Agreement may be reinstated subject to paragraph 14.1 above.
- 14.3 If this Agreement is terminated by Authority or District, District shall furnish the services necessary to continue normal operations for a period of sixty (60) days after the termination date. This period will commence only at Authority's request, for the purpose of training and assisting new employees of Authority or its new contractor in the management and operation of Authority's Facilities. In such event, Authority shall pay to District currently existing compensation for said sixty (60) days.

ARTICLE 15 AMENDMENT

This Agreement may be amended by the adoption of written Appendices which are mutually agreed to by the parties.

ARTICLE 16 MISCELLANEOUS

- 16.1. Entire Agreement. This Agreement constitutes the entire Agreement between the parties hereto relating to the services, and sets forth the rights, duties, and obligations of each to the other as of this date. Any prior agreements, promises, negotiations, or representations not expressly set forth in this Agreement are of no force and effect. This Agreement may not be modified except by a writing executed by both parties.
- 16.2. Binding Agreement. This Agreement shall inure to and be binding upon the parties, their successors, and assigns.
- 16.3. No Waiver. No waiver of any of the provisions of this Agreement shall be deemed to constitute a waiver of any other of the provisions of this Agreement, nor shall such waiver constitute a continuing waiver unless otherwise expressly provided herein, nor shall the waiver of any default hereunder be deemed a waiver of any subsequent default hereunder.
- 16.4. Controlling Law. This Agreement shall be governed by and construed in accordance with the law of the State of Colorado.
- 16.5. Subject to Annual Appropriation and Budget. Under no circumstances shall this Agreement constitute, or be considered as, a multiple-fiscal year obligation of either the District or the Authority. The Authority's and the District's obligations under this Agreement exist subject to annual budgeting and appropriations and shall remain subject to the same for the entire term of this Agreement.
- 16.6. Governmental Immunity. Nothing in this Agreement shall be construed to constitute a waiver, in whole or in part, of any of either of the parties' rights and protections under the Colorado Governmental Immunity Act, § 24-10- 101, et seq., C.R.S., as amended from time to time.

Appendix E: Operating Agreement with the Authority

- 16.7. No Third-Party Beneficiaries. It is expressly understood and agreed that enforcement of the terms and conditions of this Agreement, and all rights of action relating to such enforcement, shall be strictly reserved to the parties and nothing contained in this Agreement shall give or allow any such claim or right of action by any other third party on such Agreement. It is the express intention of the parties that any person other than parties receiving services or benefits under this Agreement shall be deemed to be an incidental beneficiary only.
- 16.8. Counterpart Execution. This Agreement may be executed in counterparts, each of which shall be deemed an original, and all of which together shall constitute one and the same instrument.

IN WITNESS WHEREOF, the parties hereto have set their hands and seals as of the day and year first above written.

EAGLE RIVER WATER & SANITATION DISTRICT

By: _____
President

ATTEST:

By: _____
Secretary

UPPER EAGLE REGIONAL WATER AUTHORITY

By: _____
President

ATTEST:

By: _____
Secretary

EXHIBIT A
2024 UERWA CAPITAL BUDGET

Capital & CRP Budget by Department

Department	2023 Budget	2023 Projection	2024 Budget	YOY Budget Var
Engineering	715,737	464,479	875,000	159,263
Field Ops	5,519,186	1,348,759	4,343,415	(1,175,771)
Finance	566,500	566,500	623,150	56,650
Human Resources	10,000	0	7,500	(2,500)
IT	25,000	0	20,000	(5,000)
Ops Tech	2,221,659	2,062,248	10,000	(2,211,659)
Utility Services	50,000	12,574	100,000	50,000
Water	2,875,430	1,366,956	2,310,000	(565,430)
Total	11,983,512	5,821,516	8,289,065	(3,694,447)

Carryforwards by Project

Fund Type	Project Name	Estimated Carryforward
Bond Project	Wildridge BPS and PRV Improvements	3,956,585
Bond Project	Fenno Well House/Raw Water Conveyance	1,210,725
Bond Project	Bolts Lake Reservoir	261,812
Bond Project	Beaver Creek BPS 1,2, & 3 Rehabilitation	222,537
Capital	Water Treatment Master Plan	190,364
Capital	ADWF Bathroom/Kitchen Remodel	37,426
Bond Project	Cordillera West Tank 1 Rehabilitation	29,532
Capital	ADWF Domestic Lift Station Rehabilitation	15,607
Bond Project	Arrowhead Transmission Main Rehab	4,584

Major Capital Projects

Fund Type	Project Name	2024 Budget	Total Project Budget
Bond Project	Arrowhead Transmission Main Rehab	2,500,000	3,350,000
Bond Project	Beaver Creek BPS 1,2, & 3 Rehabilitation	1,000,000	11,851,400
Bond Project	Bolts Lake Reservoir	875,000	68,949,223
Bond Project	Cordillera West Tank 1 Rehabilitation	685,800	762,000
Bond Project	Wildridge BPS and PRV Improvements	543,415	6,793,415

Appendix E: Operating Agreement with the Authority

EXHIBIT B: 2024 FEE SCHEDULE FOR DISTRICT EQUIPMENT AND PERSONNEL

Equipment	2024 In District Hourly Rates	2024 Out of District Hourly Rates
1 Ton Utility, Duramax	56.00	67.00
3" Pump	31.00	38.00
6" Power Prime Pump Trailer	62.00	74.00
Air Compressor (180 cfs)	25.00	30.00
Asphalt Cutter	38.00	45.00
Backhoe, John Deere #710 (1-1/2 cy, 3/8 cy Hoe)	93.00	112.00
Camera Locator	62.00	74.00
Camera Water or Sewer	223.00	268.00
Chain Saw	31.00	38.00
Composting Auger	38.00	45.00
Correlator-DigiCorr	99.00	119.00
Correlator-Zcorr	49.00	59.00
Demo Saw	31.00	38.00
End Dump Trailer	81.00	97.00
Forklift	49.00	59.00
Generator	62.00	74.00
Generator-Portable	43.00	53.00
Hoe/Pack Compactor	93.00	112.00
Jack Hammer and Hydraulic unit # 105 (1 ton)	56.00	67.00
Large Jetting Truck	136.00	163.00
Light Plant (mobile)	62.00	74.00
Loader	93.00	112.00
Lowboy Tractor	81.00	97.00
Lowboy Trailer	74.00	89.00
Mac-Trailer	31.00	38.00
Message Boards	31.00	38.00
Meter Test Bench	49.00	59.00
Mikasa Jumping Jack	56.00	67.00
Mini Excavator	93.00	112.00
Pickup with Plow	56.00	67.00
Pickup with Plow & Liftgate	56.00	67.00
Pump Truck	149.00	178.00
Rock Breaker/Hammer	186.00	223.00
Skid Steer	74.00	89.00
Skid Steer w/ Blower or Brush	99.00	119.00
Small Dump Truck	43.00	53.00
Small Jetting Truck	125.00	149.00

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Equipment	2024 In District Hourly Rates	2024 Out of District Hourly Rates
Small Portable Welder	25.00	30.00
Snowblower-Manual	18.00	23.00
Steamer	25.00	30.00
Tandem Dump Truck	62.00	74.00
TV Van	125.00	149.00
Utility Trailer	38.00	45.00
Valve Box Cleaner	25.00	30.00
Valve Box Operator/Cleaner	43.00	53.00
Valve Maintenance Trailer	81.00	97.00
Vehicle & Tools	43.00	53.00

Labor	2024 In District Hourly Rates	2024 Out of District Hourly Rates
Construction Managers, Planning Supervisors, Project Engineers	95.00	115.00
General Manager	210.00	250.00
Executive Manager	165.00	195.00
Field Operations Personnel	65.00	80.00
Managers	115.00	140.00
Office Administration & Accounting Staff	75.00	90.00
Operational Interns/Temps	27.50	27.50
Operations Supervisors and Field Operations Leads & Planners	110.00	125.00
Water & Wastewater Operations Personnel	65.00	75.00

EXHIBIT C

The current form of **STANDARD SPECIFICATIONS FOR WATER LINES** for District are incorporated into this Agreement by this reference.

EXHIBIT D EMERGENCY AND MOBILIZATION PROCEDURE

1. In case of an emergency during normal working hours, Monday through Friday, 8:00 a.m. – 5:00 p.m., call (970) 476-7480, and personnel will be radio dispatched.
2. In case of an emergency during off duty hours, weekends and holidays, call (970) 4767480 and an answering service operator will contact the appropriate on-call personnel by telephone or pager.
3. District will have personnel on-call during off duty hours, weekends and holidays who will respond to the emergency.
4. When the on-call personnel arrive at the location of the emergency, they will determine the following:
 - a. Is the emergency an Authority or customer responsibility?
 - 1) If the emergency is a customer responsibility, they will inform the customer that it is the customer's responsibility and offer recommended solutions, as appropriate.
 - 2) If the emergency is an Authority responsibility, they will determine which of the following steps to take:
 - a) Notify Supervisor of the problem and proceed to correct the problem that caused the emergency.
 - b) Call out additional personnel to assist as necessary.
 - c) Call for equipment, if needed.
 - d) Call other utility companies for emergency line locations, Fire Department, residences if needed.
 - b. Time and material to determine the cause of the emergency shall be included in the Basic Compensation provided for in Article 11. If the emergency is determined to be an Authority responsibility, time and material will be charged to Authority in accordance with paragraph 11.2.5. If the emergency is determined to be a customer responsibility, time and material will be charged to the individual customer for any services provided after this determination is made.

Appendix E: Operating Agreement with the Authority

EXHIBIT E 2024 BASIC COMPENSATION

Total Cost for the Treatment, Distribution, CIP, Admin & Accounting services and Life Cycle Replacements:	2023	2024 Proposed
	<u>Budget</u>	<u>Budget</u>
Salaries and Benefits	5,242,810	5,976,803
Overhead cost allocation	1,200,190	1,243,444
Vehicles	135,000	135,000
IT Tech upgrades allocation	280,500	480,591
Total	6,858,500	7,835,838
CIP Management cost to be capitalized	566,500	645,810
Total ops agreement cost estimate	7,425,000	8,481,648
Billed Monthly	618,750	706,804
Compensation will be adjustment to final audited Amount.		

Appendix E: Operating Agreement with the Authority

EXHIBIT F 2024 LABORATORY PRICE LIST FOR UERWA (IN-DISTRICT)

Test	Method	Matrix	2024 Cost
Alkalinity, Total	SM 2320B	Wastewater and Drinking Water	18.50
Biochemical Oxygen Demand	SM 5210B	Wastewater	68.00
Chlorine (DPD Residual)	SM 4500-Cl G	Wastewater and Drinking Water	18.50
Chemical Oxygen Demand	SM 5220D	Wastewater	41.00
Conductivity	SM 2510A	Wastewater and Drinking Water	12.50
E. coli MPN	SM 9223	Wastewater and Drinking Water	38.00
Total Coliform and E. coli MPN	SM 9223	Wastewater and Drinking Water	50.00
Hardness	SM 2340C	Wastewater and Drinking Water	27.50
Heterotrophic Plate Count	SM 9215B	Drinking Water	27.50
Nitrogen, Ammonia	SM 4500-NH3E	Wastewater	25.00
Nitrogen, Nitrate + Nitrite	SM 4500-NO3F	Wastewater	18.50
Nitrogen, Total	Lachat Method 10-107-04-4-A	Wastewater	37.00
pH	SM 4500-H+B	Wastewater and Drinking Water	25.00
Simplified, TKN	Hach TNT 880	Wastewater	38.00
Solids, Total Dissolved	SM 2540C	Wastewater and Drinking Water	31.00
Solids, Total Suspended	SM 2540D	Wastewater and Drinking Water	25.00
Solids, Total	SM 2540B	Wastewater	25.00
Solids, Total Suspended + Volatile Suspended	SM 2540D and SM 2540G	Wastewater and Drinking Water	38.00
Sulfate	EPA 375.4	Wastewater and Drinking Water	25.00
Total Coliforms - presence/absence (BacT Sample)	SM 9223B	Drinking Water	31.00
Phosphorus, Reactive (Ortho)	SM4500-P E (Hach 843, 844, 845)	Wastewater	18.50
Phosphorus, Reactive (Ortho)	Lachat Method 10-115-01-1-M	Wastewater	31.00
Phosphorus, Total	SM4500-P E (Hach 843, 844, 845)	Wastewater	18.50
Phosphorus, Total	Lachat Method 10-115-01-1-F	Wastewater	38.00

Appendix E: Operating Agreement with the Authority

Late fees (This additional cost applies to samples not received during the time period requested)	Accepted sample drop off times/days	Matrix	2024 Cost
Total Coliforms – presence/absence (BacT Sample)	7:00 am to 3:00 pm (Monday-Thursday)	Drinking Water	9.00
Solids, Total Dissolved	First two weeks of the month (Monday or Tuesday ONLY)	Wastewater and Drinking Water	30.00
E. coli MPN and Total Coliform plus E. coli MPN	Before 9:00 am (Monday, Tuesday, or Thursday)	Wastewater and Drinking Water	22.50

NOTE: Prices are subject to change and do not include shipping
 Samples that are sent to contract laboratories will be charged the contracted laboratory prices.

**BILLING SERVICES AGREEMENT
BETWEEN
EAGLE RIVER WATER & SANITATION DISTRICT AND
TOWN OF MINTURN**

THIS BILLING SERVICES AGREEMENT effective this 1st day of January 2024, by and between TOWN OF MINTURN, a quasi-municipal corporation of the State of Colorado ("Town"), and EAGLE RIVER WATER & SANITATION DISTRICT, a quasi-municipal corporation of the State of Colorado ("District"). The Town and District are sometimes referred to herein individually as a "Party" and collectively as the "Parties."

WITNESSETH:

WHEREAS, among its other functions Town owns and operates a water treatment and distribution system and provides trash collection services substantially within the boundaries of District; and

WHEREAS, District has sufficient experience, personnel, and equipment to perform certain services desired by Town; and

NOW, THEREFORE, in consideration of the mutual covenants and obligations herein expressed, the Parties agree as follows:

**ARTICLE 1
GENERAL CONDITIONS**

- 1.1 District shall provide in a good and workmanlike manner the services described in this agreement upon the terms and conditions herein stated.
- 1.2 District shall be an independent contractor, and nothing herein contained shall be construed to create the relationship of principal and agent or employer and employee between Town and District. Any person or party hired by District shall be the employee, agent, servant, or contractor of District.
- 1.3 District shall comply with all applicable local, State and Federal laws, rules and regulations.
- 1.4 District shall provide the services described in Article 2 herein in accordance with the Rules and Regulations of District and any amendments thereto.

ARTICLE 2 SCOPE OF SERVICES TO BE PERFORMED BY DISTRICT

- 2.1 Billing Services. District agrees to provide billing services (“Billing Services”) for monthly water and trash collection service subject to the following:
- 2.1.1 Customer billings for water service and trash collection shall be issued at the same time and in the same manner as sewer service billings.
 - 2.1.2 All customer bills, which remain unpaid twenty-five days from the date of mailing of such bills, will have a Late Charge of one percent (5%) of any Balance Forward added thereto which shall be retained by District. Town authorizes District to pursue all collection procedures outlined in District’s Rules and Regulations, to include Certification of the unpaid amounts to the Eagle County Treasurer for collection as property taxes annually, as allowed by Eagle County. Such unpaid amounts may include Town’s unpaid water and trash collection service charges and District’s unpaid sewer service charges.
 - 2.1.3 Town, at the request of District, shall discontinue water and/or trash service to customers following notice of disconnection to such customers as provided in the Rules and Regulations of District.
 - 2.1.4 In the event a customer’s service is unable to be discontinued, Town will contract the work to correct any system deficiencies so that the customer’s water service is able to be discontinued. The cost of such work may be added to the customer billing as an adjustment.
 - 2.1.5 Approximately one month after the end of each billing period, District shall remit to Town, an amount equal to the total water and sewer services billed, less all amounts due from customers, which have any amounts in Balance Forward on their bills, which have remained unpaid for more than one hundred twenty (120) days.
- 2.2 Additional Services. The Town may request, and the District will provide additional labor and equipment as set forth on Exhibit A (“Additional Services”).

ARTICLE 3 COMPENSATION AND PAYMENT

- 3.1 Cost of Services. Town shall pay District for services performed according to the following:
- 3.1.1 The cost for Billing Services is \$40,954 per year, to be paid in monthly installments of \$3,412.83 each.
 - 3.1.2 Fees for Additional Services shall be billed at rates listed in Exhibit A or for amounts agreed to by District and Town.
- 3.2 Payment. Payment by Town to District shall be made within three (3) days following the approval of District’s payment request in the regular meeting of Town Council following the end of the calendar month in which the services were performed.

ARTICLE 4 SPECIAL CONDITIONS

- 4.1 Insurance Requirements. At all times during the term of this Agreement, District shall carry and maintain in full force, at District's expense, the following insurance coverage. Such policies shall include a provision requiring a minimum of thirty (30) days' notice to Town of substantial change or cancellation of coverage or insurance policies.
- 4.1.1 General Comprehensive Liability insurance in an amount of \$350,000 per person and \$990,000 per occurrence, including the following coverage: property damage; underground explosion and collapse hazard; and personal injury.
- 4.1.2 Comprehensive Automobile Liability insurance on all owned vehicles used in connection with the services in an amount of \$350,000 per person and \$990,000 per occurrence combined single limits for Bodily Injury and Property Damage.
- 4.1.3 Worker's Compensation insurance in accordance with the provisions of the Worker's Compensation Act of the State of Colorado for all employees to be engaged in the services.
- 4.2 Certificates of Insurance. Prior to commencement of services, District shall provide Town with Certificate(s) of Insurance evidencing the insurance required by this Article and naming Town as an additional named insured as its interests may appear for all Comprehensive General Liability insurance.
- 4.3 Indemnity. To the extent permitted by law, and to the extent of the limits of any insurance coverage maintained by District, District further agrees to indemnify and hold Town harmless from, and defend all actions against, all claims, damages, losses and expenses, including but not limited to attorneys' fees, arising from any negligent act or omission on the part of District, its agents, or employees, provided, however, that any claim for negligent acts or omissions must be brought in accordance with and subject to the limitations of the Colorado Governmental Immunity Act, C.R.S. 24-10-101, et. seq., as amended, as the same may now or hereafter exist, and nothing herein shall be deemed or construed to be a waiver of the rights granted hereunder. Town shall provide District with notice of the commencement of any action, subject to this paragraph, not more than five (5) days following receipt by Town of notice of commencement of such action. Notwithstanding the foregoing, the District does not waive the protections, monetary limitations, or immunities provided by the Colorado Governmental Immunity Act.
- 4.4 Renegotiation. Duties or services to be performed by District may be added or deleted and charges for services may be renegotiated by either Party upon thirty (30) days written notice to the other Party.
- 4.5 Assignment. Either Party without the express written consent of both parties shall make no assignment of its rights and/or obligations under this Agreement.
- 4.6 Term of Agreement. The effective date of this Agreement shall be January 1, 2021, for a period of twelve (12) months. This Agreement shall be automatically extended for successive one (1) year periods with no notice required to either Party unless either

Party provides written notice of intent to terminate or amend not later than sixty (60) days prior to the annual extension of the Agreement.

- 4.7 Termination. The provisions of Section 4.6 notwithstanding, either Party shall have the right to terminate this Agreement thirty (30) days after written notice of any election to terminate.

ARTICLE 5 MISCELLANEOUS

- 5.1. Entire Agreement. This Agreement constitutes the entire Agreement between the Parties hereto relating to the services, and sets forth the rights, duties, and obligations of each to the other as of this date. The Agreement supersedes any prior and contemporaneous discussions, agreements or representations and warranties and any prior agreements, promises, negotiations, or representations not expressly set forth in this Agreement are of no force and effect. This Agreement may not be modified except by a writing executed by both Parties.
- 5.2. Binding Agreement. This Agreement shall inure to and be binding upon the Parties, their successors, and assigns.
- 5.3. No Waiver. No waiver of any of the provisions of this Agreement shall be deemed to constitute a waiver of any other of the provisions of this Agreement, nor shall such waiver constitute a continuing waiver unless otherwise expressly provided herein, nor shall the waiver of any default hereunder be deemed a waiver of any subsequent default hereunder.
- 5.4. Controlling Law. This Agreement shall be governed by and construed in accordance with the law of the State of Colorado.
- 5.5. Subject to Annual Appropriation and Budget. Under no circumstances shall this Agreement constitute, or be considered as, a multiple-fiscal year obligation of either the District or the Town. The Town's and the District's obligations under this Agreement exist subject to annual budgeting and appropriations and shall remain subject to the same for the entire term of this Agreement.
- 5.6. Governmental Immunity. Nothing in this Agreement shall be construed to constitute a waiver, in whole or in part, of any of either of the parties' rights and protections under the Colorado Governmental Immunity Act, § 24-10- 101, et seq., C.R.S., as amended from time to time.
- 5.7. No Third-Party Beneficiaries. It is expressly understood and agreed that enforcement of the terms and conditions of this Agreement, and all rights of action relating to such enforcement, shall be strictly reserved to the Parties and nothing contained in this Agreement shall give or allow any such claim or right of action by any other third party on such Agreement. It is the express intention of the Parties that any person other than Parties receiving services or benefits under this Agreement shall be deemed to be an incidental beneficiary only.
- 5.8. Counterpart Execution. This Agreement may be executed in counterparts, each of which shall be deemed an original, and all of which together shall constitute one and the same instrument.

Appendix F: Minturn Billing Agreement

IN WITNESS WHEREOF, the parties hereto have set their hands and seals as of the day and year first above written.

TOWN OF MINTURN

By: _____
Mayor

ATTEST:

Town Clerk

EAGLE RIVER WATER & SANITATION DISTRICT:

By: _____
Chair

ATTEST:

Secretary

Appendix F: Minturn Billing Agreement

EXHIBIT A 2024 FEE SCHEDULE FOR DISTRICT EQUIPMENT AND PERSONNEL

Equipment	2024 In District Hourly Rates
1 Ton Utility, Duramax	56.00
3" Pump	31.00
6" Power Prime Pump Trailer	62.00
Air Compressor (180 cfs)	25.00
Asphalt Cutter	38.00
Backhoe, John Deere #710 (1-1/2 cy, 3/8 cy Hoe)	93.00
Camera Locator	62.00
Camera Water or Sewer	223.00
Chain Saw	31.00
Composting Auger	38.00
Correlator-DigiCorr	99.00
Correlator-Zcorr	49.00
Demo Saw	31.00
End Dump Trailer	81.00
Forklift	49.00
Generator	62.00
Generator-Portable	43.00
Hoe/Pack Compactor	93.00
Jack Hammer and Hydraulic unit # 105 (1 ton)	56.00
Large Jetting Truck	136.00
Light Plant (mobile)	62.00
Loader	93.00
Lowboy Tractor	81.00
Lowboy Trailer	74.00
Mac-Trailer	31.00
Message Boards	31.00
Meter Test Bench	49.00
Mikasa Jumping Jack	56.00
Mini Excavator	93.00
Pickup with Plow	56.00
Pickup with Plow & Liftgate	56.00
Pump Truck	149.00
Rock Breaker/Hammer	186.00
Skid Steer	74.00
Skid Steer w/ Blower or Brush	99.00

Appendix F: Minturn Billing Agreement

Equipment	2024 In District Hourly Rates
Small Dump Truck	43.00
Small Jetting Truck	125.00
Small Portable Welder	25.00
Snowblower-Manual	18.00
Steamer	25.00
Tandem Dump Truck	62.00
TV Van	125.00
Utility Trailer	38.00
Valve Box Cleaner	25.00
Valve Box Operator/Cleaner	43.00
Valve Maintenance Trailer	81.00
Vehicle & Tools	43.00

Labor	2024 In District Hourly Rates
Construction Managers, Planning Supervisors, Project Engineers	95.00
General Manager	210.00
Executive Manager	165.00
Field Operations Personnel	65.00
Managers	115.00
Office Administration & Accounting Staff	75.00
Operational Interns/Temps	27.50
Operations Supervisors and Field Operations Leads & Planners	110.00
Water & Wastewater Operations Personnel	65.00

Test	Method	Matrix	2024 Cost
Alkalinity, Total	SM 2320B	Wastewater and Drinking Water	18.50
Biochemical Oxygen Demand	SM 5210B	Wastewater	68.00
Chlorine (DPD Residual)	SM 4500-CI G	Wastewater and Drinking Water	18.50
Chemical Oxygen Demand	SM 5220D	Wastewater	41.00
Conductivity	SM 2510A	Wastewater and Drinking Water	12.50
E. coli MPN	SM 9223	Wastewater and Drinking Water	38.00
Total Coliform and E. coli MPN	SM 9223	Wastewater and Drinking Water	50.00
Hardness	SM 2340C	Wastewater and Drinking Water	27.50

Appendix F: Minturn Billing Agreement

Test	Method	Matrix	2024 Cost
Heterotrophic Plate Count	SM 9215B	Drinking Water	27.50
Nitrogen, Ammonia	SM 4500-NH3E	Wastewater	25.00
Nitrogen, Nitrate + Nitrite	SM 4500-NO3F	Wastewater	18.50
Nitrogen, Total	Lachat Method 10-107-04-4-A	Wastewater	37.00
pH	SM 4500-H+B	Wastewater and Drinking Water	25.00
Simplified, TKN	Hach TNT 880	Wastewater	38.00
Solids, Total Dissolved	SM 2540C	Wastewater and Drinking Water	31.00
Solids, Total Suspended	SM 2540D	Wastewater and Drinking Water	25.00
Solids, Total	SM 2540B	Wastewater	25.00
Solids, Total Suspended + Volatile Suspended	SM 2540D and SM 2540G	Wastewater and Drinking Water	38.00
Sulfate	EPA 375.4	Wastewater and Drinking Water	25.00
Total Coliforms - presence/absence (BacT Sample)	SM 9223B	Drinking Water	31.00
Phosphorus, Reactive (Ortho)	SM4500-P E (Hach 843, 844, 845)	Wastewater	18.50
Phosphorus, Reactive (Ortho)	Lachat Method 10-115-01-1-M	Wastewater	31.00
Phosphorus, Total	SM4500-P E (Hach 843, 844, 845)	Wastewater	18.50
Phosphorus, Total	Lachat Method 10-115-01-1-F	Wastewater	38.00

Late fees (This additional cost applies to samples not received during the time period requested)	Accepted sample drop off times/days	Matrix	2024 Cost
Total Coliforms – presence/absence (BacT Sample)	7:00 am to 3:00 pm (Monday-Thursday)	Drinking Water	\$9.00
Solids, Total Dissolved	First two weeks of the month (Monday or Tuesday ONLY)	Wastewater and Drinking Water	\$30.00
E. coli MPN and Total Coliform plus E. coli MPN	Before 9:00 am (Monday, Tuesday, or Thursday)	Wastewater and Drinking Water	\$22.50



MEMORANDUM

TO: Boards of Directors
FROM: Siri Roman, General Manager
DATE: Sept. 20, 2023
RE: General Manager Report

Special District Association (SDA) of Colorado

ERWSD received the Safest District of the Year Award at the annual SDA conference. This was an exciting accomplishment for staff as each employee contributes to our strong safety culture. The SDA prepared a video highlighting our work which we plan to show at the board meetings. This award is especially meaningful to our staff because maintaining a robust safety culture is the most important thing we do and involves every employee.

David and District Board Chair Dick Cleveland presented at the SDA Annual Conference on our housing program during the "Workforce Housing Crunch: Challenges and Solutions for Special Districts" breakout session. Participants were interested in all aspects of our program and had many specific follow up questions.

Also at SDA, I hosted a 'Water Horizons' Forum with Keith McLaughlin, the Executive Director of the Colorado Water Resources and Power Development Authority. The forum was well attended, and we covered a wide range of topics – PFAS, PFAS funding, growth paying for growth, west slope/east slope water supply, water conservation, regulations, construction costs, turf replacement, and Colorado River issues.

Rocky Mountain Water Environment Association (RMWEA) Annual Conference

The RMWEA Conference was held in Loveland Sept. 12-14. Becky Luna (from Carollo) and I presented "On the road again: A District-wide Approach to Achieve Regulation 31 limits," where we discussed the 2017 Nutrient Memorandum of Understanding, the Avon wastewater project and resulting water quality, preliminary plans for Edwards wastewater treatment upgrades, changing factors since 2017, and next steps. A lot of inputs/assumptions that led to the 2017 Nutrient MOU have changed significantly in the last six years, specifically lower streamflows, (which impact stream standards, and in turn permit limits) and construction costs. We are currently working through next steps for nutrient management among the three facilities.

Bolts Lake Legislative Tour

On Aug. 31, we hosted a field visit of the Bolts Ditch diversion point and Reservoir site for Matt Kireker from Senator Bennet's office, and Julie Sutor from Congressman Neguse's office. The intent of the field visit was to provide an overview of the project, share its community benefits,

discuss the proposed Bolts Ditch federal legislation, and discuss potential future funding opportunities. Brian, Jane, and Jason prepared a project summary handout and Diane organized the tour and compiled photos from the visit (see attached).

Water Conservation and Rate Restructure Outreach

David and I have started water conservation and rate restructure outreach with local managers (property management associations, metro districts, irrigation account managers, etc.). The intent is for the managers to better understand the *why* and to be informed as they prepare their budgets and communicate with their communities. So far, we have received consistent supportive feedback of the proposed changes, especially as managers better understand the current use of the Single Family Equivalent (SFE) multiplier and its implications to rates (i.e., the bigger the home, the cheaper the water).

Brian is scheduling presentations to UERWA member entities, municipalities, Eagle County, and other local governments. Please contact him directly if you would like us to present to any other local groups or associations.

Attachments:

- Bolts Lake Reservoir Project Summary
- Bolts Ditch and Reservoir Field Visit

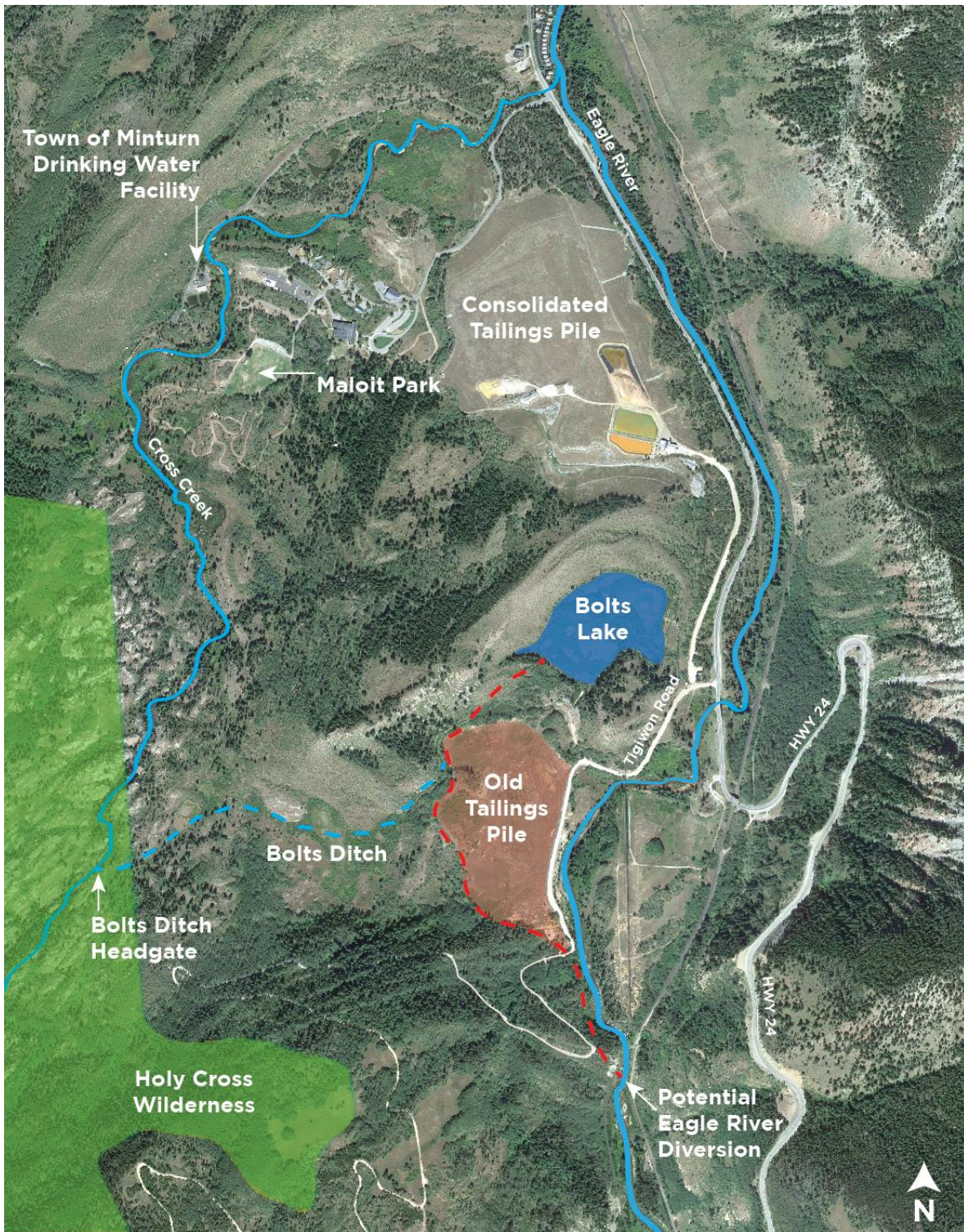


Bolts Lake Reservoir Project Summary

Eagle River Water & Sanitation District (ERWSD) and Upper Eagle Regional Water Authority (UERWA) are planning to redevelop Bolts Lake in Minturn with a 1,200 acre-foot reservoir. The reservoir was originally developed as a recreational reservoir by Ben Bolt in 1890, when he diverted water from Cross Creek into a natural basin. The reservoir has been inactive since 1996, when the dam was breached by order of Colorado’s State Engineer. ERWSD and UERWA are collectively the second largest municipal water supplier on the western slope, serving 55,000 customers during peak seasons, and require additional in-basin storage supplies to service their customers while maintaining healthy river flows. The Bolts Lake site was selected because of its proximity to Cross Creek and the Eagle River, its location on private property, and its previous use as a reservoir.

<p>Project Benefits:</p> <ul style="list-style-type: none"> • New source of in-basin water supply • Contributes to creation of strategic reserve to mitigate against the impacts of a warming climate • Provides additional water supply to serve workforce housing projects and other community land use priorities • Environmental benefits to streamflow during drought and critical low flow periods • Off-channel reservoir – no damming of rivers • Recreational uses allowed • Remediation of Eagle Mine Superfund site 	<p>Financial Impacts:</p> <ul style="list-style-type: none"> • Current estimated project cost: \$100 million • Estimated rate payer impact: \$20/month per single-family equivalent (18.5% increase over current rates) <p>Potential Grant Funding Opportunities:</p> <ul style="list-style-type: none"> • Colorado Water Conservation Board State Water Plan Grants • Colorado River Water Conservation District Community Funding Partnership • USBR Small Storage Program Grant • USBR Drought Resiliency Grant
<p>Estimated Timeline:</p> <ul style="list-style-type: none"> • <u>Spring 2024</u>: Complete Preliminary Design • <u>2024 – 2025</u>: NEPA Permitting and Design Development • <u>2026</u>: Final Design, State and Local Permitting, and Construction Financing • <u>2027 – 2029</u>: Construction (3 years) • <u>2030</u>: Reservoir Operational 	<p>Potential Diversion Sources:</p> <p>Two diversion sources are being evaluated:</p> <ul style="list-style-type: none"> • Eagle River Diversion: Will require pumping to achieve desired reservoir yield of 1,200 AF. • Cross Creek Diversion: Gravity-fed from the existing diversion on Cross Creek in the Holy Cross Wilderness.
<p>Bolts Ditch Federal Legislation:</p> <ul style="list-style-type: none"> • The Dingell Act must be amended to allow ERWSD & UERWA to use, maintain, and repair Bolts Ditch and its associated headgate within Holy Cross Wilderness. H.R. 4297 has been introduced in the U.S. House of Representatives and S. 2156 has been introduced in the U.S. Senate. 	<p>Next Steps:</p> <ul style="list-style-type: none"> • Complete preliminary design • Begin NEPA Permitting process with USFS, BLM, and ACOE. • Pursue grant funding opportunities to minimize financial burden on ratepayers.

Bolts Lake Project Vicinity Map





Below: About 50 feet inside the wilderness boundary is a bridge across the Bolts Ditch. L to R: George Gregory (*Upper Eagle Regional Water Authority board chair*), Jason Cowles (*ERWSD Engineering & Water Resources*), Julie Sutor (*Congressman Joe Neguse*), Siri Roman (*ERWSD General Manager*), Matt Kireker (*Senator Michael Bennet*), Kristin Moseley (*water counsel for ERWSD & UERWA*), Dick Cleveland (*Eagle River Water & Sanitation District board chair*)



Below: About 300 feet inside the wilderness boundary is the existing wooden diversion structure on Cross Creek (which can also be seen in the top right photo on the first page).





MEMORANDUM

TO: Boards of Directors
FROM: Siri Roman, General Manager
DATE: Sept. 20, 2023
RE: Minturn and Battle Mountain Developers Settlement Agreement

On Sept. 6, the town of Minturn entered into a Settlement Agreement with the Battle Mountain developers aimed at resolving litigation. According to Town of Minturn Settlement Agreement FAQs, both parties have now entered into a six-month diligence period where either party can withdraw from the agreement. Minturn is "(hiring) professionals to evaluate land that Minturn would receive in the settlement, including appraisals and an environmental analysis."

During Minturn's public work sessions, there were several questions that directly or indirectly involved ERWSD and the UERWA. These questions pertained to the use of the future Bolts Lake reservoir and adjacent land, access to the reservoir, recreational use, water and wastewater service to new development, etc. The attached letter was provided to the Town of Minturn to provide clarity to the questions that have been raised.

Attachment:

- Sept. 20, 2023, Letter to town of Minturn re: Settlement Agreement



September 20, 2023

VIA EMAIL

Michelle Metteer
Town Manager
Town of Minturn
manager@minturn.org

Re: Settlement Agreement between Town of Minturn, Battle One Developer, LLLP, Battle Two Developer, LLLP, Battle South, LLC, and Battle One A Developer, LLC

Dear Michelle:

I am writing on behalf of the Eagle River Water and Sanitation District (District) and the Upper Eagle Regional Water Authority (Authority) in regards to the Settlement Agreement between Minturn and various developer entities that own the Battle Mountain area properties.

In many of the informational documents and public meetings about the Settlement Agreement, there appear to be some questions about the Reservoir and the relationships among Minturn, the District and Authority, and the owner of the Battle properties. I hope to be able to fill in some of those gaps with the information below.

Reservoir Agreement. In February 2022, the District and Authority purchased the 45-acre Bolts Lake Reservoir property from Battle North, LLC, with the intent to develop an augmentation reservoir up to 1,200 acre-feet in volume. The Reservoir will provide critical in-basin water storage to the District and Authority's portfolio of water resources. Once constructed, the Reservoir will improve the resiliency of our community's water supply as we adapt to the impacts of a changing climate, and it will provide a water supply for important community initiatives such as workforce housing. In addition to serving all existing District and Authority customers, water stored in the Reservoir will also be used to augment diversions of the Town of Minturn and Battle North's planned future development on the land surrounding the Reservoir site. Water released from the Reservoir has an added benefit of improving downstream water quality, with enhanced Eagle River flows through Minturn. We appreciated Minturn's support in this purchase and recognition of the value to the community.

Minturn Agreement. In February 2022, Minturn and the District and Authority entered into an Agreement that secured augmentation rights for Minturn in exchange for a simplified future reservoir permitting process and release of an old easement. Minturn received 20 acre-feet in augmentation water at no charge, and the right to use up to 55 acre-feet of additional augmentation water to augment Minturn's depletions at discounted in-district rates. We greatly appreciate Minturn's hard work and efforts on that agreement and believe it reflects our shared communities' values of cooperation and water security.

Clean Water. Quality Life.™

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

Water Service. Minturn is the sole water provider for all development within the Town. The District provides sewer service to the Town, which is within the District's service boundaries. As part of the Reservoir purchase, the District agreed to become a contractual water provider to the Battle North properties "only if Minturn is unable or unwilling to supply potable water" to the development, and subject to Minturn's land use approvals for density. If Minturn is unable or unwilling to provide water to the Battle Mountain area properties, the District will fulfill its contractual obligation to provide water service.

We believe there are mutual financial and infrastructure benefits to both Minturn and the Battle Mountain area properties if Minturn were to become the regional water provider for both systems. Specifically, the significant funds that would otherwise be used to construct a new District-managed water treatment facility to serve the properties could be alternatively applied toward upgrading Minturn's current water treatment system. Minturn's residents would benefit by having lower water rates. Furthermore, Minturn could diversify its water supply by adding a new surface water intake on the Eagle River using water rights brought by the Battle area properties. The secondary supply intake on the Eagle River would provide redundancy to Minturn's primary Cross Creek source. Regardless of growth, with climate change, and increased risks due wildfire, drought, mudslides etc., resiliency is an important part of every water provider's portfolio and risk management strategy.

We understand that the terms of the Settlement Agreement require Minturn to revise its Municipal Code to exclude the Battle properties from receiving Town water service. We also appreciate that settlement negotiations are tricky and delicate. We remain available and open for discussion and consult should Minturn and the developer conclude at any point that Minturn is the more appropriate water service provider.

Easements. The District and Authority have both permanent and temporary easements on portions of the Battle property, including the properties that Minturn has rights to obtain through the Settlement. These easements are critical to the construction and continued operation of the Reservoir. The permanent location of some of these easements will be determined closer to the Reservoir design and construction. To ensure there are no impediments to easement locations, the District and Authority also obtained the contractual right to approve any assignments of the Battle North property.

Reservoir Design Update. The Reservoir is only in the initial design phase. The design, including the locations of the dams, spillway, diversions, and water conveyance facilities will not be completed until 2025. The preliminary design anticipates that there will be a saddle dam at the southern end of the reservoir which will be subject to review and approval by the State Engineer in accordance with Colorado dam safety standards. We will coordinate with Minturn on potential recreational access as the design progresses through the State permitting process.

Recreational Uses. An additional community benefit negotiated through the February 2022 Agreement among Minturn, the District and Authority, is that the Authority and District agreed to allow passive recreation on the reservoir, including non-motorized boating and fishing, so long as it does not interfere with the Reservoir's main purpose of water supply. Minturn also has the option to construct a dock for better access for kayakers and paddlers.

The February 2022 Agreement was intentionally silent on swimming as a recreational use. Natural swimming areas are permitted though the Colorado Department of Public Health and Environment (CDPHE) and require a memorandum of agreement with an owner/operator and frequent water quality monitoring. In addition, it is anticipated that the reservoir will be up to 55

feet deep so safety is a concern. The District does not intend to be the owner/operator of a natural swimming area and does not plan on taking on the responsibility of maintaining a safe swimming area. The Reservoir's primary purpose is for augmentation supply meaning that water levels will see large fluctuations throughout the year as are legally and operationally necessary to meet augmentation obligations to the District, Authority, Town of Minturn, and Battle North. It is important that the community understand that the recreational use of Bolts Lake is very different from other local swimming areas such as Nottingham Lake in the town of Avon.

I hope that the above information is helpful. Please feel free to share this information with your Council Members. The District and Authority value the cooperative spirit among our organizations and community. We look forward to continuing that partnership going forward. We will continue to keep Minturn updated on the progress with Bolts Lake. If valuable to Minturn, we would be happy to present on the status at an upcoming Council meeting. We remain committed and open to ongoing conversations with both Minturn and the Battle properties owner.

Sincerely,

Siri Roman
General Manager

ec: ERWSD and UERWA Boards of Directors



MEMORANDUM

TO: Boards of Directors

FROM: Allison Ebbets, Water Conservation Supervisor

DATE: September 20, 2023

RE: Water Conservation Program Update

Water Conservation staff are actively supporting overall water conservation goals and developing tools to progress on key programmatic work; a summary is below.

Rebates to reduce outdoor water use

Public interest in the outdoor rebate program continues to increase. The tables below summarize rebates issued in 2023 compared to earlier years. For 2024, ERWSD has budgeted \$10,000 for rebates and UERWA has budgeted \$100,000. These budgets are based on past patterns and known interest from customers. Additionally, the Colorado Water Conservation Board (CWCB) has awarded \$40,000 to each entity and both are in the application process for the next iteration of funding, all of which must be spent by June 30, 2025.

2023: Rebates issued to date (ERWSD & UERWA)

Rebate Type	# rebates issued	\$ rebated	Sq. ft. replaced
Landscape transformation*	10	\$66,072.00	33,036
Smart irrigation controller	5	\$355.92	N/A
Irrigation audit	0	N/A	N/A
Irrigation efficiency bundle	2	\$1,875.00	N/A
Total	17	\$68,302.92	33,036

*For 2023, Landscape transformation rebates are \$2/sf with approved grant funding

2020 – 2022 Rebates issued to date (ERWSD & UERWA)

Rebate Type	# rebates issued	\$ rebated	Sq. ft. replaced
Landscape transformation*	7	\$11,386.00	9,386
Smart irrigation controller	9	\$900.00	N/A
Irrigation audit	0	N/A	N/A
Irrigation efficiency bundle	5	\$6,181.05	N/A
Total	21	\$18,467.05	9,386

*Landscape transformation rebates were \$1/sf

Rates and billing structures

At the July and August board meetings, the boards directed staff to move forward proposed billing structure changes for *individually metered residential* and *irrigation only* accounts. These changes are incorporated into the proposed 2024 budgets. The proposed billing structure changes address two out of the total six customer account types. The WC team will analyze rate structures for the remaining account types and present completed analyses to the boards in 2024. Upon board approval, the new rate structure for the remaining four types would be implemented in the 2025 budgets.

Account structure type	Year to implement updated structure	# of accounts
Individually Metered Residential	2024	8267
Irrigation Only	2024	383
Commercial	2025	367
Multi-Family	2025	799
Municipal	2025	65
Mixed Use	2025	105

Online bill forecasting tool

To help customers understand the effect of the rate changes on their specific account(s), the WC team created a live bill forecasting tool that will be hosted on the district website. Using a customer's account number, this tool shows what a customer paid in 2023 and assumes they will use the same volume of water each month in 2024 to calculate predicted 2024 bills incorporating the new structure. There is also an option to adjust water use and evaluate the impact that will have on a single month's bill. Staff will provide a live demonstration of the tool during the September board meetings.

Data management and tracking

The WC and IT teams are collaborating to improve internal data management, tracking, and analysis capabilities. Already this team has created improved tools for internal use such as a streamlined One Time Credit calculator, an online live bill change calculator (described above) and are creating individualized letters with specific rate change information that will be mailed to every customer. This team is making important adjustments to our data management that allow for more nimble data analyses and improved data processes (fewer errors and quicker response times) moving forward.

Customer Outreach

Water Conservation and Communications staff are working together on an outreach campaign informing customers about water conservation goals, rate and billing structure changes, and rebate programs. Outreach includes direct conversations with community members, public presentations, direct mail/email/phone calls to customers, and various media channels, as outlined below.

Type	Timing
One-on-one meetings with community / HOA / property managers	Continual
Radio interviews	Continual
News stories, columns	Monthly
Postcard to every 81620, 81632, 81657, and 81658 address	Sept. 29
Print, digital, and radio advertising	Oct. 1
Individualized letter showing rate change difference between 2023 and 2024	Mid-October
Bill calculator tool	Mid-October
Local government meetings	October-December
HOA and other community groups	October-December
Billing insert to every customer account	November statements
Email / phone communication to highest affected groups	November-December
Individualized letter showing rate change difference to highest affected groups	February-March 2024

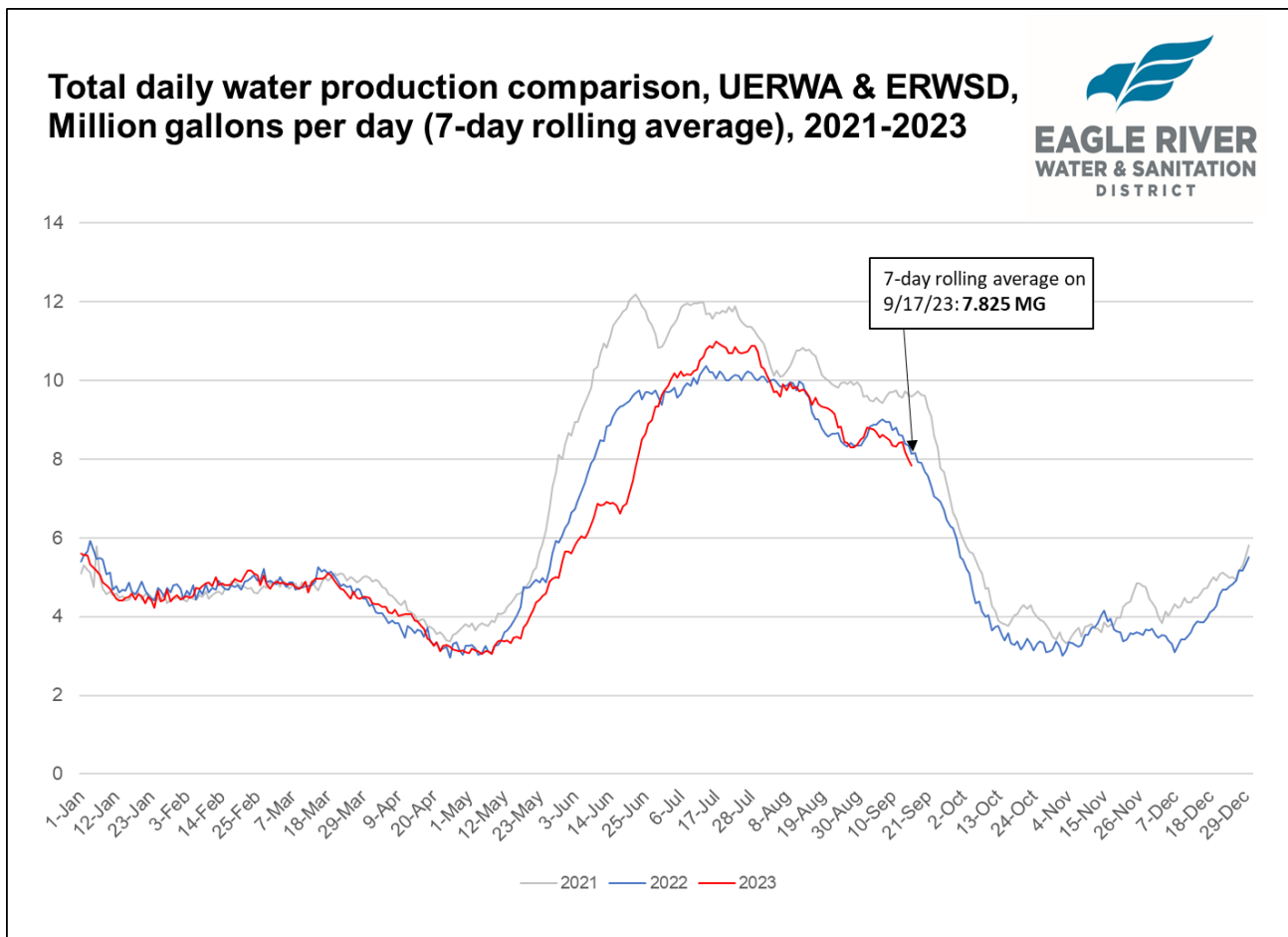


OPERATIONS MONTHLY REPORT SEPTEMBER 2023

WATER

Kailey Rosema

The system-wide water production comparison was updated through Sep. 17. System production is normal for this time of year.



The Water Department is wrapping up the busy irrigation season and is shifting its focus to various maintenance and capital projects that will occur this fall. The Avon Drinking Water Facility (ADWF) will be shutdown Oct. 9 – Nov. 9 to complete the programmable logic controller (PLC) replacement project, which has been in the design and planning phase for over two years.

The Colorado Division of Water Resources performed the annual dam safety inspection at Black Lakes Nos. 1 and 2 on Sep. 6. No major deficiencies were noted.

Clean Water. Quality Life.™

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



State dam safety engineer inspection of Black Lake No. 2

WASTEWATER

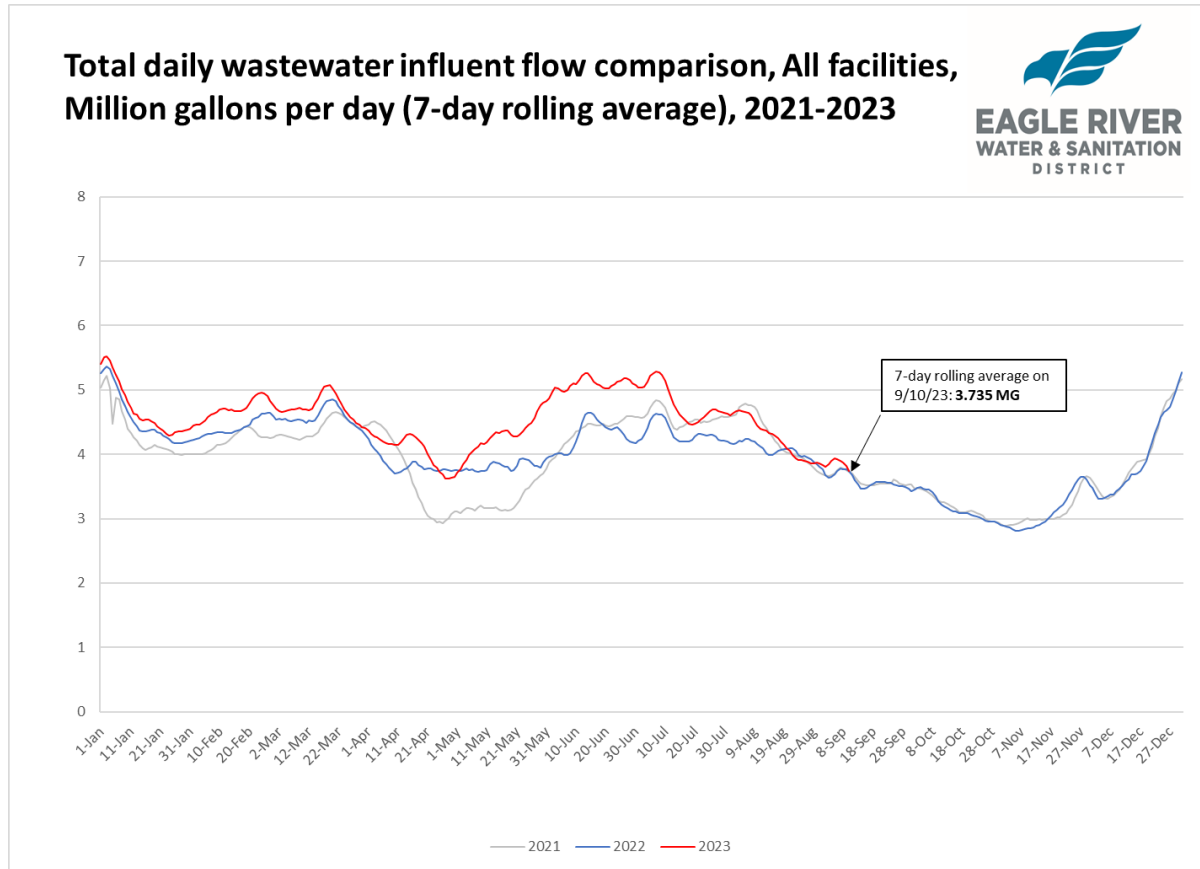
Chris Giesting

On Tuesday, Sep. 12, Avon Wastewater Treatment Facility (AWW) supervisor Tim Drescher accepted the Rocky Mountain Water Environment Association (RMWEA) Plant Performance Award on behalf of the AWW team, the Wastewater Department, and the District. This award is given annually to a wastewater treatment facility that exhibits outstanding results in plant operation, maintenance, and public relations.



Tim Drescher accepting 2023 RMWEA Plant Performance Award

Cumulative influent wastewater flow and organic loading is normal for this time of year.



LABORATORY & WATER QUALITY

Leah Cribari

The annual September Water Quality sampling event occurred Sept. 5 – 6. This event was a collaborative effort between many departments and involved staff members from the Lab, Water, Utility Services, Customer Service, Engineering, Operational Technology, Communications and Public Affairs, Field Operations, and Safety. The overarching goals of the monitoring program are summarized below.

- Characterize reference (natural) vs. impacted conditions in the District's source waters,
- Assess potential point and non-point pollutant sources,
- Develop an understanding of relationships between macroinvertebrates and nutrients,
- Develop an understanding of conditions unique to Gore Creek and the Eagle River,
- Determine impacts of proposed nutrient criteria on the District's wastewater treatment facilities,
- Support the development of potential management strategies for nutrients and other pollutants,
- Support the CDPHE Water Quality Control Division's data collection and nutrient criteria evaluation processes.

This was the 16th year of the sampling program. The program was originally started in 2008 and the sampling plan is reviewed and updated annually.

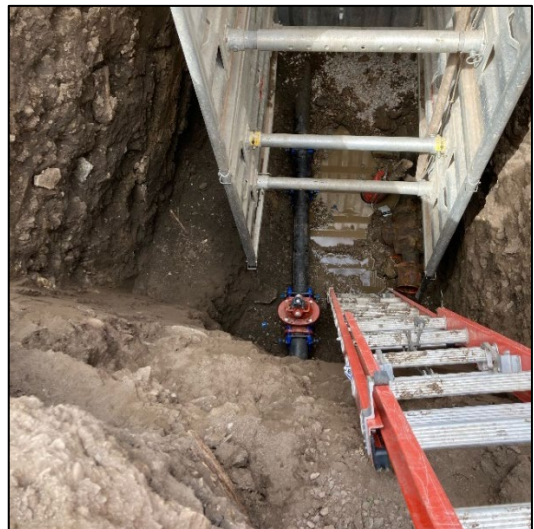


Flow measurement and water sampling during the September Water Quality Event

FIELD OPERATIONS

Niko Nemcanin

A distribution system isolation valve located near Geneva Drive in Vail was damaged during an emergency water main repair last winter. The Field Operations team returned to the site on Aug. 30 to replace the valve.



Distribution system isolation valve replacement

Field Operations staff raised and recoated two sewer collection manholes located near the Edwards Wastewater Treatment Facility. The manholes are adjacent to the Eagle River and were raised to minimize the impacts of inflow and infiltration (I&I) during spring runoff. The work was completed entirely by in-house Field Operations staff.



Sewer manhole raising project (near the Edwards Wastewater Treatment Facility)

The Field Operations team removed a large dead tree that was at risk of falling on an aerial sewer collection main that crosses Gore Creek in Vail.



Tree removal to prevent damage to sewer collection main (before and after)

UTILITY SERVICES

Shane Swartwout

Meter Services

The Meter Services team has continued AMI conversion in the Authority service area. A progress report is provided below.

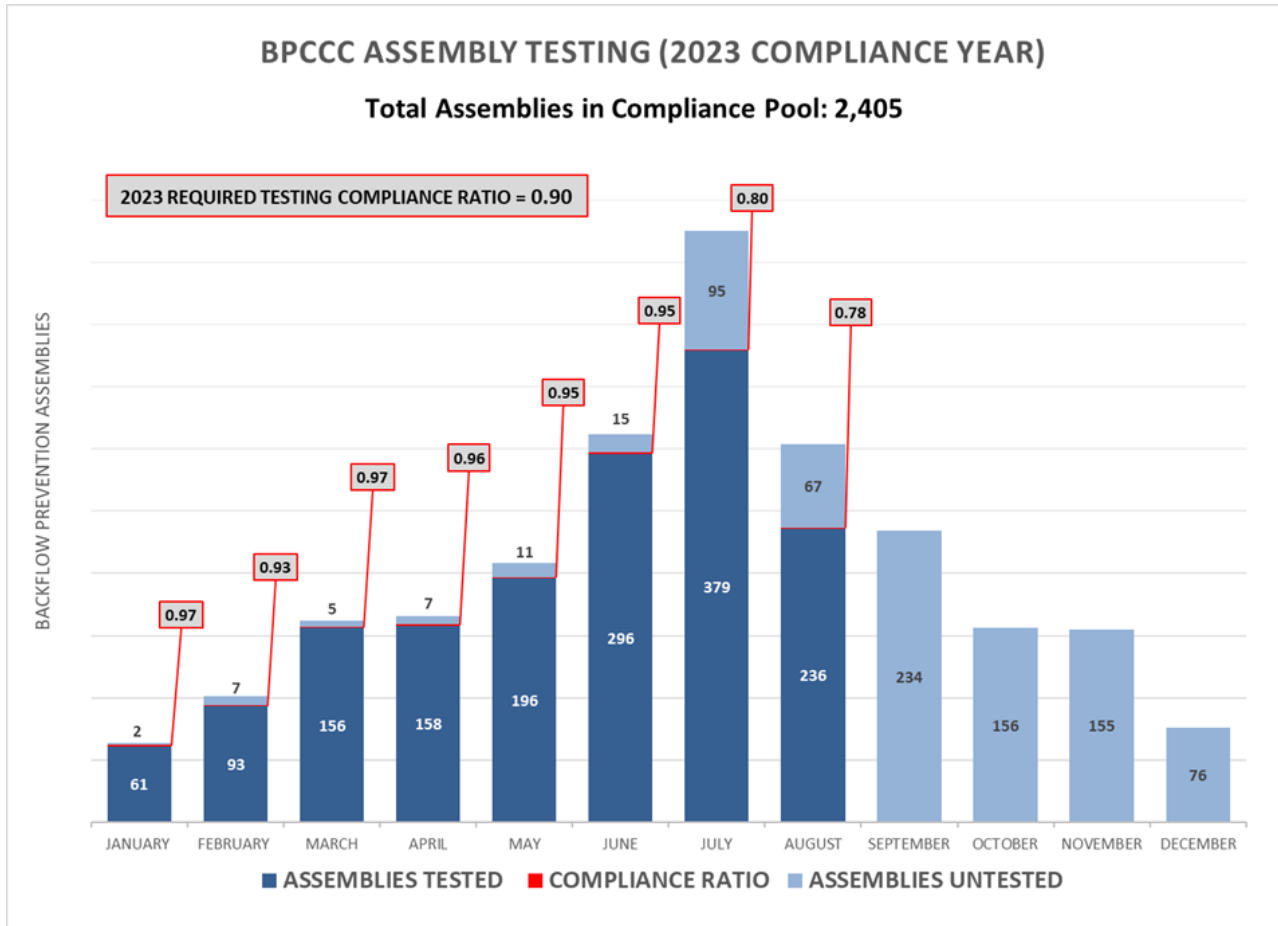
Report Date:	9/18/2023
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AMI SYSTEM STATUS	ERWSD	UERWA	TOTAL
(1) Total No. of Meters	3207	6850	10057
(2) No. of AMI Meters	3207	6165	9372
(3) System Percentage of AMI Meters	100%	90%	95%
Meters Remaining to Reach 100% AMI	0	685	685

Meter Services – Advanced Metering Infrastructure (AMI) Status (Updated 9-18-2023)

BPCCC Program

The BPCCC team continues to focus on testing irrigation backflow prevention assemblies. There are currently 205 irrigation assemblies that need to be tested (out of 770 total). Staff mailed 173 letters to customers with irrigation accounts as a reminder to have their assemblies tested prior to winterization.



Lead Service Line Inventory Update

The EPA published the Lead and Copper Rule Revisions (LCRR) in December 2021. The LCRR includes a new requirement for water systems to complete a comprehensive materials inventory of its service line connections, referred to as a Lead Service Line Inventory (LSSI).

District staff began proactively taking steps to develop the LSSI soon after the LCRR was finalized. Specifically, staff and contractors began work to locate, survey, and map all service line curb stop valves. District staff also carefully monitored the evolving regulatory policy development and began actively participating in CDPHE’s stakeholder processes.

On Sep. 7, CDPHE adopted the “Initial Service Line Inventory Development Policy (Policy DW018)”, which was developed through the stakeholder process. Per the general screening

criteria defined in the new policy, all District services are classified as “non-lead.” This classification will greatly reduce the effort needed to complete the District’s LSSI because material evaluations will not be required for every individual service. The District is on track to have the LSSI completed by the Oct. 16, 2024 deadline.

ENGINEERING

Jeff Schneider

WATER PROJECTS

Avon Drinking Water Facility (ADWF) PLC Upgrades

Jenna Beirsto

General Project Scope: This project includes 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: Information Technology (IT) staff members have started commissioning the new servers. All remaining electrical equipment, including the new PLC’s and filter consoles, were delivered to the site on Sep. 20. Final factory acceptance testing (FAT) of the PLC programming will be completed by Sep. 29. Installation of the first filter console PLC replacement is scheduled to begin on Sep. 25. A full facility shutdown is scheduled from Oct. 9 – Nov. 9 to complete the project.



Server Commissioning at ADWF

Fenno Wellhouse and Raw Water Conveyance

Carter Keller

General Project Scope: The project includes a complete replacement of a treatment facility in Cordillera that treats water from seven groundwater wells. The previous facility did not meet electrical code, had safety concerns, and was generally at the end of its useful life. The new treatment facility was completed in 2022. The current focus of this project is to assess and rehabilitate the aging wells and raw water conveyance piping that serve the new facility.

Project Update: The pump and motor were removed from Fenno Well F2 and the project team is currently inspecting the equipment and well casing. Fenno Well F4 will be evaluated next. The team is continuing to work through an easement access issue with Fenno Well F7.

Water Production and Treatment Masterplan

Jenna Beirsto

General Project Scope: The masterplan will be a wholistic look at all production and treatment facilities system-wide including treatment plants and wells. The goal is to identify future capital project priorities. The project will include a detailed condition assessment of existing assets and will evaluate treatment and production threats from climate change, low stream flows, wildfires, etc.

Project Update: The District's internal project team met in August to begin developing a strategy to complete the masterplan using in-house staff. The major work will begin at the end of 2023, after the end of the busy construction and operation seasons.

North Frontage Road Watermain Improvements

Kevin Nelson

General Project Scope: This project involves construction of approximately 700 linear feet of 10-inch diameter water main from the Residences at Main Gore (near the main Vail roundabout) to the culvert crossing at Middle Creek.

Project Update: Approximately 650 linear feet of 10-inch water main pipe has been installed to date, including the entire run within the North Frontage Road. Two new fire hydrants have been installed and about 90% of the pavement that was removed has been restored. The project team encountered an unexpected complication with the final tie-in location. Specifically, the existing water main is much deeper than expected (~20 feet). The project team is currently evaluating alternative tie-in options.

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 1.

Project Update: Construction work started the week of Sep. 18. The contractor is currently working to locate underground utilities and is coordinating right-of-way permitting with the Town of Avon. The project team has started to develop Method of Procedures (MOPs) for upcoming water main work, including the installation of the pump-around connections that will be used when the existing booster pump stations are taken offline for the rehabilitation work.

Avon Drinking Water Facility (ADWF) Roof Replacement

General Project Scope: This project includes replacement of the ballasted and fully adhered sections of the roof at ADWF. The roof is over twenty years old and has developed several major leaks.

Project Update: A preconstruction meeting was held on Sep. 1. Crews mobilized to the site on Sep. 18 and roof demolition and replacement began on Sep 19. A crane was used to lift the first delivery of roofing materials onto the roof and a second round of material delivery is scheduled on Sep. 21. The work is scheduled to be complete by mid to late October.



Roof material delivery



Roofers working on north side of ADWF roof

WASTEWATER PROJECTS

Avon Wastewater Treatment Facility (AWW) Nutrient Upgrades Jeff Schneider/Jenna Bearsto

General Project Scope: The AWW requires upgrades to meet Regulation 85, which requires a reduction of the concentrations of nitrogen and phosphorus in the effluent. The scope of this project includes: addition of 0.6 million gallons of aeration basin capacity, installation of a new secondary clarifier, structural modifications to the existing aeration basins to remove the existing double-tees and replace with a building structure, installation of a new odor control study and system, and other improvements throughout the facility. This project also includes improvements identified in a 2017 condition assessment in process areas throughout the facility.

Project Update: The electricians and mechanical contractors completed work to install the new exhaust fans, air handling units, and ducts. Final testing and balancing of the HVAC system is scheduled for Sep. 19. The contractor has reached substantial completion on the project and final punch list walks were completed the week of Sep. 4. The general and electrical contractors have continued demobilization activities, including cleanup of the warehouse that was used for storage during construction. Completion of final punch list items is underway in preparation for the Sep. 30 final completion date.



Site work on southwest side of the facility



HVAC work on aeration basin roof



Demobilization of materials from the site

Dowd Junction Collection System Improvements

Jenna Beairsto

General Project Scope: The project consists of four major infrastructure improvements: the aerial interceptor crossing at Dowd Junction; Lift Station 4, which conveys all of Minturn's wastewater; the aerial interceptor crossing at the Minturn Road bridge; and the force main downstream of Lift Station 4. The new infrastructure will be sized to accommodate future growth in the service area, most notably the Minturn area.

Project Update: Mechanical process work, HVAC, and electrical work is ongoing inside the new lift station. Exterior siding and roofing work is also ongoing. Work to install the generator pad, utilities, and storm drains on the exterior of the building will begin the week of Sep 18. Xcel installed the new gas servic. Trail construction over the force mains trench is underway. Paving along the length of the force main is scheduled for Oct. 9.



Process piping installation in the new lift station



Concrete placement for Eagle County's new bike trail

Avon Lab Improvements

Carter Keller

General Project Scope: The overall objective of this project is to install a new inductively coupled plasma mass spectrometer (ICP-MS) in the lab at the Avon Wastewater Facility. The new instrument will enable District staff to perform metals analyses in-house. Lab and architectural modifications will be completed, including installation of a new gas cabinet, duct chase, and fume hood. Additionally, the makeup air unit (MAU) that serves the lab and the HVAC system for the lab and lab offices will be replaced.

Project Update: The ICP-MS instrument was installed by the manufacturer's technician Aug. 29 – 31. Lab staff has begun instrument training and analytical method development. The project team is working on punchlist items. Final completion is scheduled for Sept. 30.



ICP-MS Installation

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: Startup and testing of Aeration Basin #3 is complete. Demolition of Aeration Basin #5 is expected to begin the week of Sep. 25. During installation of the diffusers in Aeration Basin #3, the project team inspected the mixed liquor transfer pipe (that runs along the bottom of the basin) and found it to be badly corroded. Additional investigative work, including video inspection and nondestructive pipe testing, confirmed that the pipe will need to be replaced. The engineer is currently working on a replacement design. Installation of the new flow control vault was completed. The new actuator and interior components of the flow control vault will be installed in early October. Demolition and replacement of the office entry front plaza has started. Installation of the new concrete is expected to begin in late September. Installation of the electrical ductbank is underway in the lower parking lot. The ductbank connects the new generator and new automatic transfer switch. New electrical gear concrete pads will be poured in late September.



New bypass sewer line



Front plaza demolition

Wastewater Master Plan

Madeleine Harris

General Project Scope: This Master Plan update will inform the scope and scale of the design for the upcoming Edwards Wastewater Treatment Facility (EWW) Nutrient Upgrades Project, which will be required to meet upcoming Regulation 85 nitrogen and phosphorous nutrient limits, as well as provide additional volume to meet existing rated capacity.

Project Update: The project team is nearly completed with the master plan scope of work and is shifting focus to preliminary design of EWW Regulation 85 improvements. The improvements at EWW are expected to include increased aeration basin capacity, new chemical feed capabilities, and general condition assessment work.

Gore Valley Trail Repair

Mark Mantua

General Project Scope: The Town of Vail 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 involves streambank improvements to permanently restabilize the embankments.

Project Update: The contractor has mobilized to the site and is working to transport and stage boulders. As a precautionary measure, an emergency sewer bypass pumping system was temporarily installed. It will be operated only if the existing collection pipe is inadvertently damaged during construction.



MEMORANDUM

TO: District and Authority Boards of Directors
FROM: Jason Cowles, P.E. and Justin Hildreth, P.E.
DATE: September 20, 2023
RE: Engineering & Water Resources Report

Development Report

At Avon's request, we've added a column to the Authority development report indicating the source of water rights for each project. The Authority has both water rights allocated to specific Authority contracting parties and water rights that are unallocated, which can be sources of water for new development projects. Allocated water is available for developments that fall within the existing water service commitments of the respective contracting parties of the Authority. Unallocated water rights are listed as the source for new developments within the service area of an Authority contracting party that has no remaining surplus of allocated water. Our goal is for the development report to be a useful tool for the Board to track projects and water availability. The report does not grant any specific rights to water for projects. If there are other additions to the report that would be helpful for the Board's purposes, please let us know and we will work to incorporate them.

Augmentation Water for Eagle County Airport Construction

In April, we discussed a request from Eagle County to the Authority to provide augmentation water from Eagle Park Reservoir for diversions needed for construction and rehabilitation of two taxiways at the Eagle County Airport. The Authority Board approved the request subject to payment of direct costs incurred by the Authority for operations and a limitation on the amount of augmentation water provided. The County was unable to secure Federal Aviation Administration funding in time for construction this year and the project was postponed. Construction will be divided into two phases that will occur in 2024 and 2025. The County anticipates that they will submit a new request next spring when their construction plans take shape.

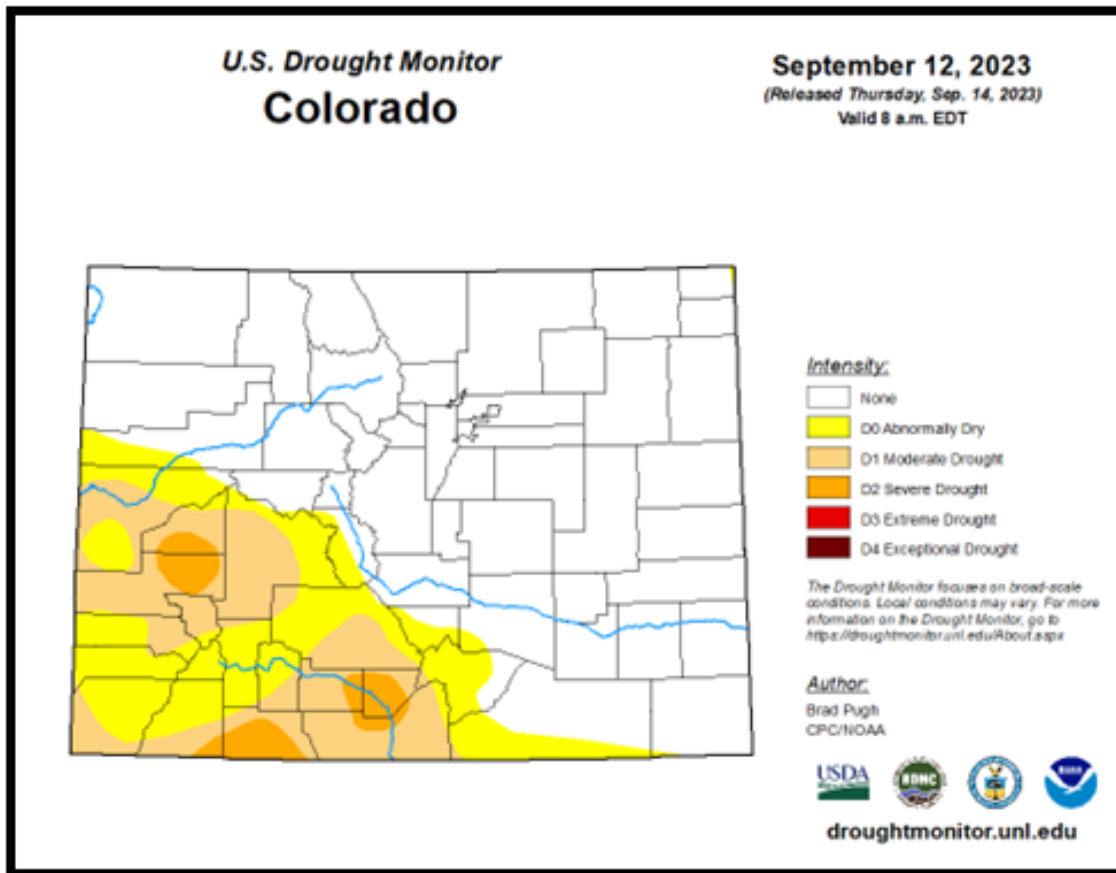
Water Resources Report

Justin Hildreth

Drought Conditions

September 12, 2023, U.S. Drought Monitor continues to categorize Eagle County along with north and east Colorado as not in a drought condition. The drought intensity for the southwest portion of the state increased to moderate and severe because of a lack of summer monsoon storms tracking in that region.

Figure 1. U.S. Drought Monitor – Colorado. September 12, 2023 (National Drought Mitigation Center)



Temperature and Precipitation Forecasts

Figures 2 and 3 show the current 8-to-14-day temperature and precipitation outlooks. The near-term modeling indicates that in the next 2 weeks, the temperatures will be leaning above normal. The 2-week precipitation outlook indicates below-average to average precipitation. The seasonal 3-month temperature and precipitation outlooks, which are less accurate, indicate that temperature will likely be above average, and precipitation has equal chances of being below or above average.

Figure 2: 8-14 Day Temperature Outlook - September 17, 2023 (NOAA Climate Prediction Center)

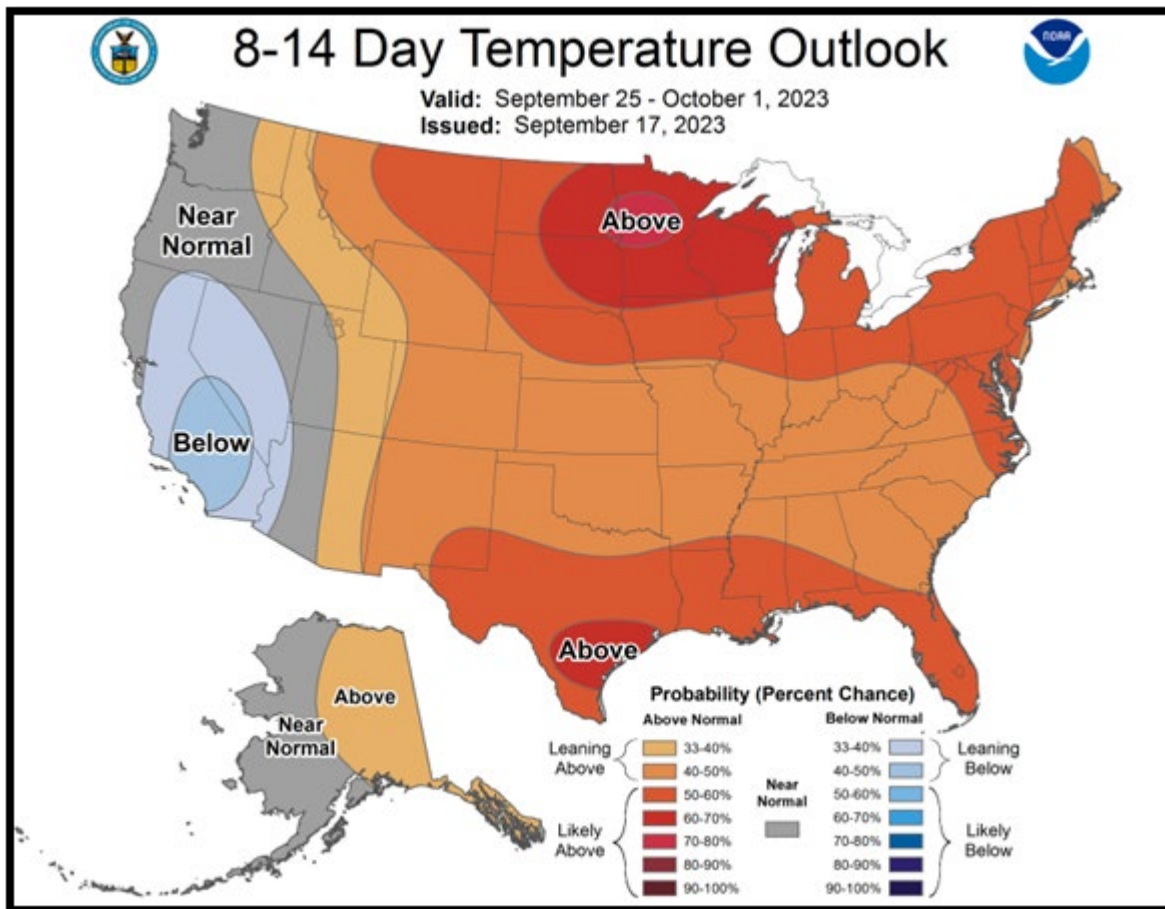
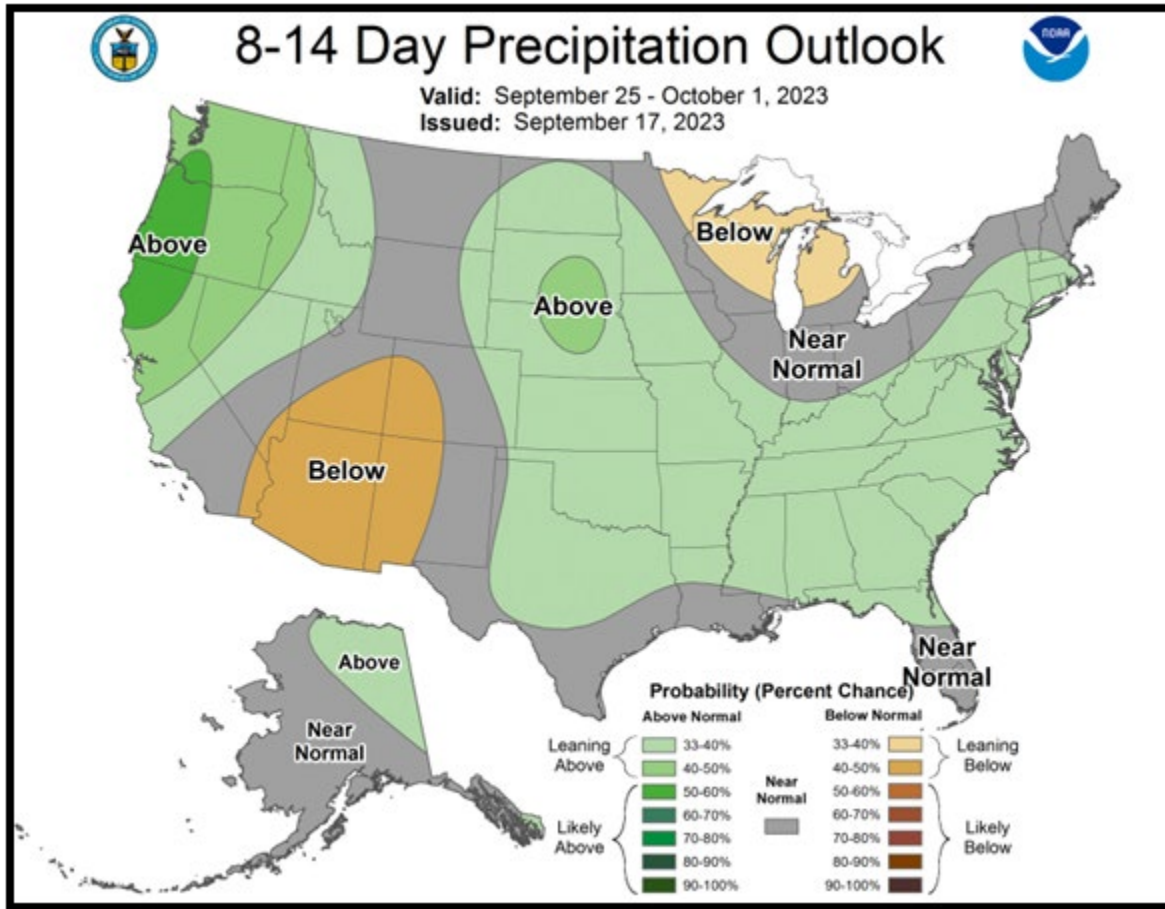


Figure 3: 8-14 Day Precipitation Outlook - September 17, 2023 (NOAA Climate Prediction Center)



Precipitation Conditions

Figures 4 and 5 show the cumulative water year-to-date precipitation at Vail Mountain and Fremont Pass respectively. As of September 18, 2023, Vail Mountain has 29.6” of accumulated precipitation for the water year, 4.0” below the median. Fremont Pass has 26.4” of accumulated precipitation for the water year, 1.9” below the median. The precipitation deficit is because the summer monsoon season has been abnormally dry and arrived late in the summer.

Figure 4: Accumulated Precipitation at Vail Mountain SNOTEL station, September 18, 2023 (USDA)

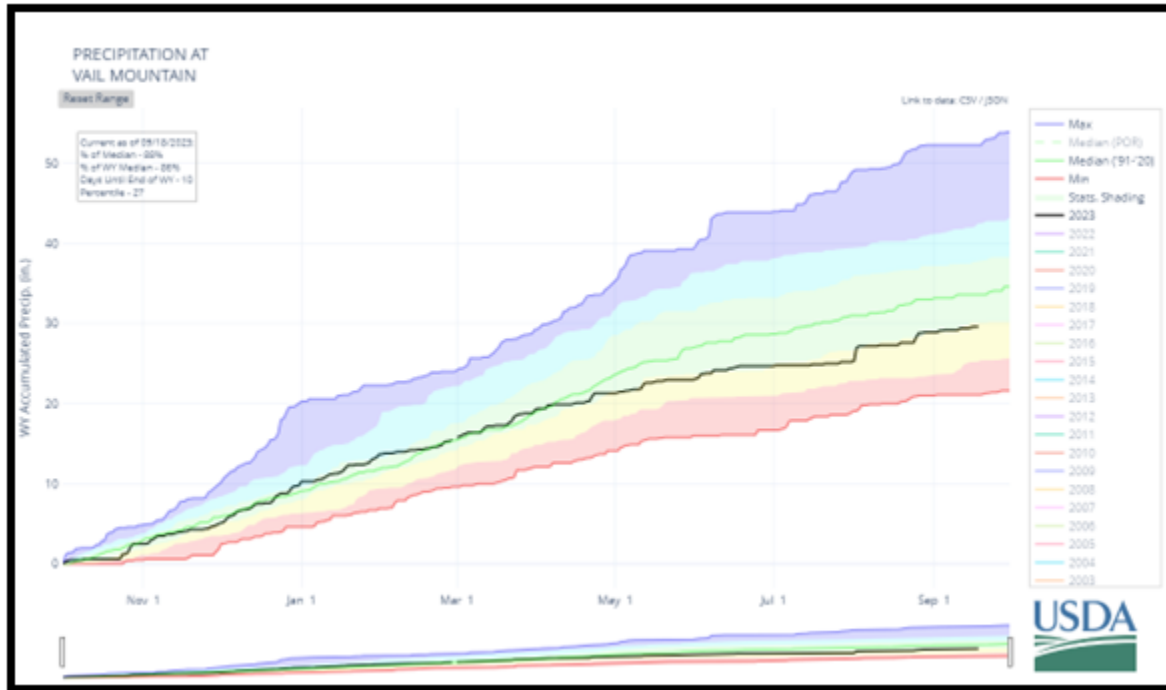
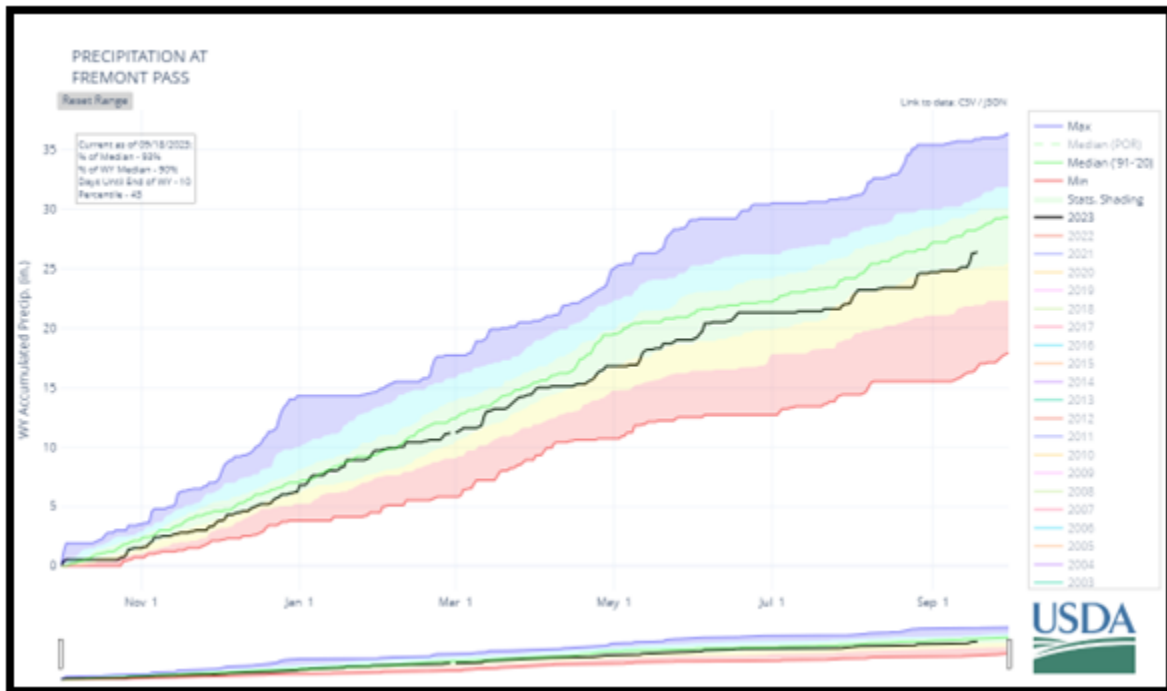


Figure 5: Accumulated Precipitation at Fremont Pass SNOTEL station, September 18, 2023 (USDA)



Streamflow

Figures 6, 7, and 8 depict hydrographs from the National Weather Service's Colorado Basin River Forecast Center. These hydrographs represent Gore Creek above Red Sandstone Creek, Eagle River at Avon, and Colorado River below Dotsero, respectively. As is typical for this time of year, the streamflows are gradually decreasing. Currently, Gore Creek above Red Sandstone is flowing at 27 cfs, comfortably exceeding the Colorado Water Conservation Board (CWCB) minimum instream flow water right of 16 cfs. Meanwhile, the flow at the Eagle River Avon station stands at 86 cfs, just slightly above the CWCB minimum in-stream flow water right of 85 cfs. We anticipate that Eagle River flows will continue to diminish through the end of the month, potentially necessitating water releases due to the instream flow. It's worth noting that last winter's peak snow water equivalent on Vail Mountain and Fremont Pass were at 101% and 83%, respectively. With an average to slightly below-average snow year and below-average monsoon season, Eagle River flows will likely dip below the minimum instream flow levels, prompting the need for in-basin augmentation releases. The instream flow on the Eagle River drops to 35 cfs on Oct. 1, and on Gore Creek it drops to 6 cfs on Nov. 1.

Figure 6: September 18, 2023, Gore Creek above Red Sandstone Creek Forecast Hydrograph, National Weather Service.

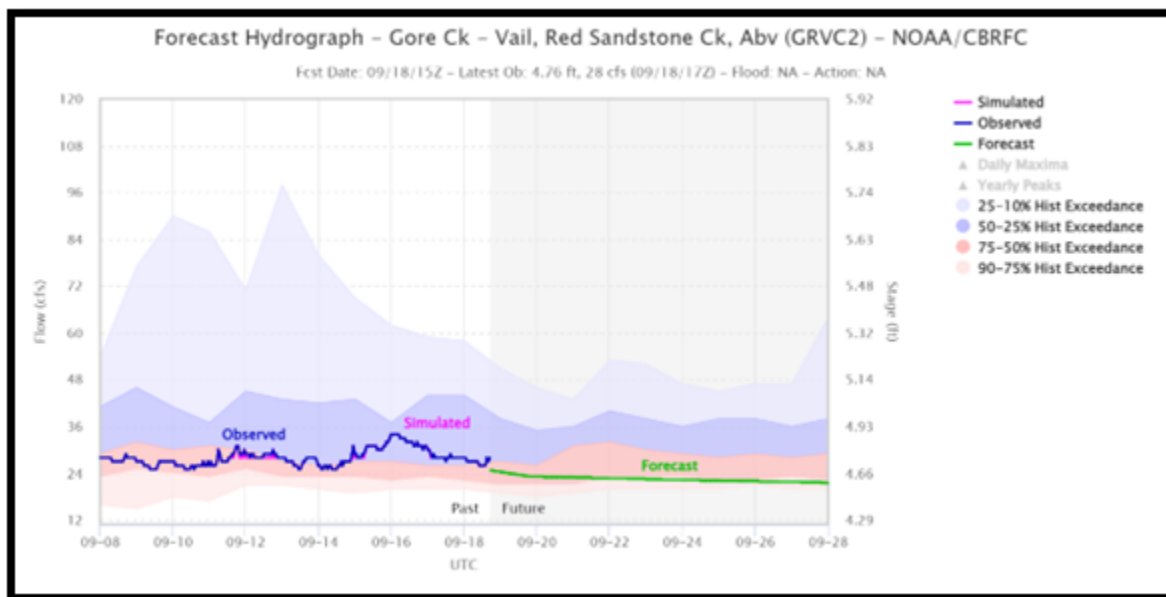


Figure 7: September 18, 2023, Eagle River at Avon Forecast Hydrograph, National Weather Service.

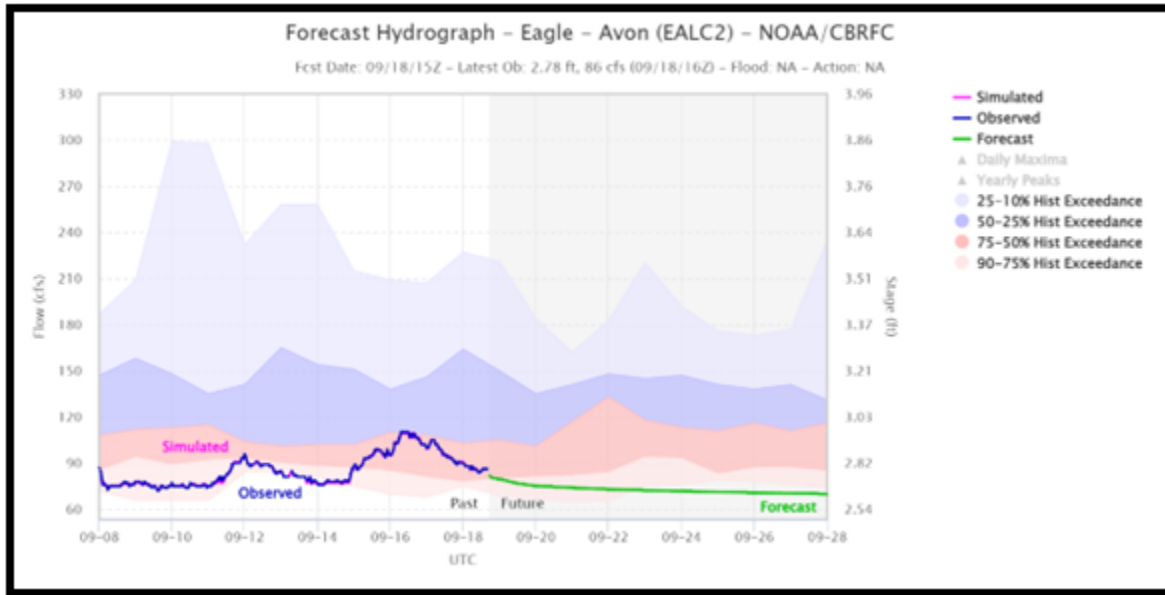
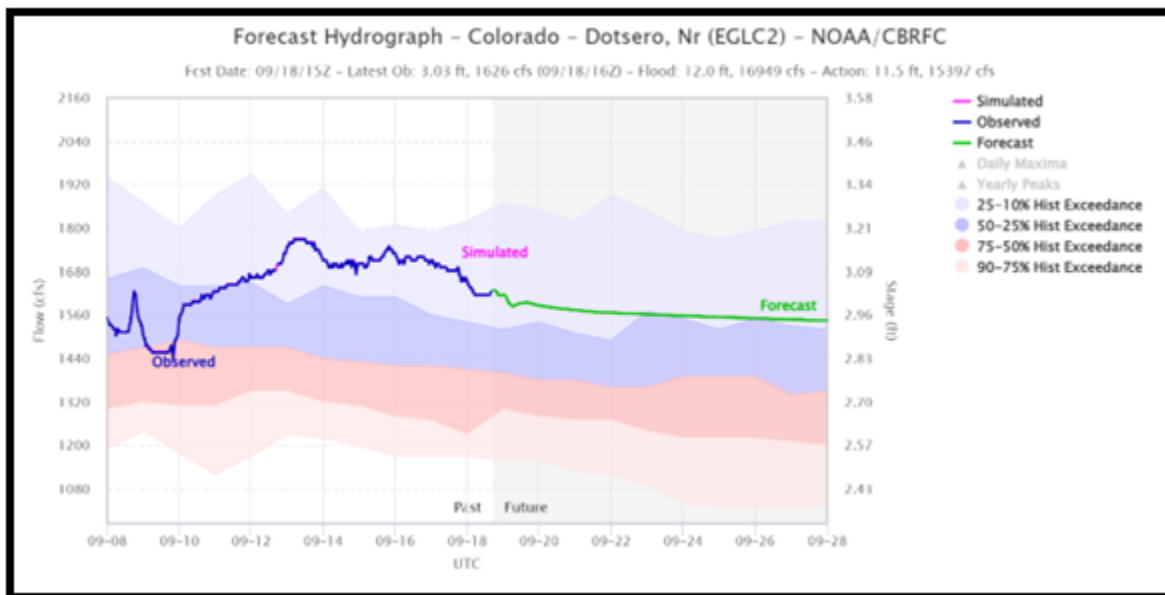


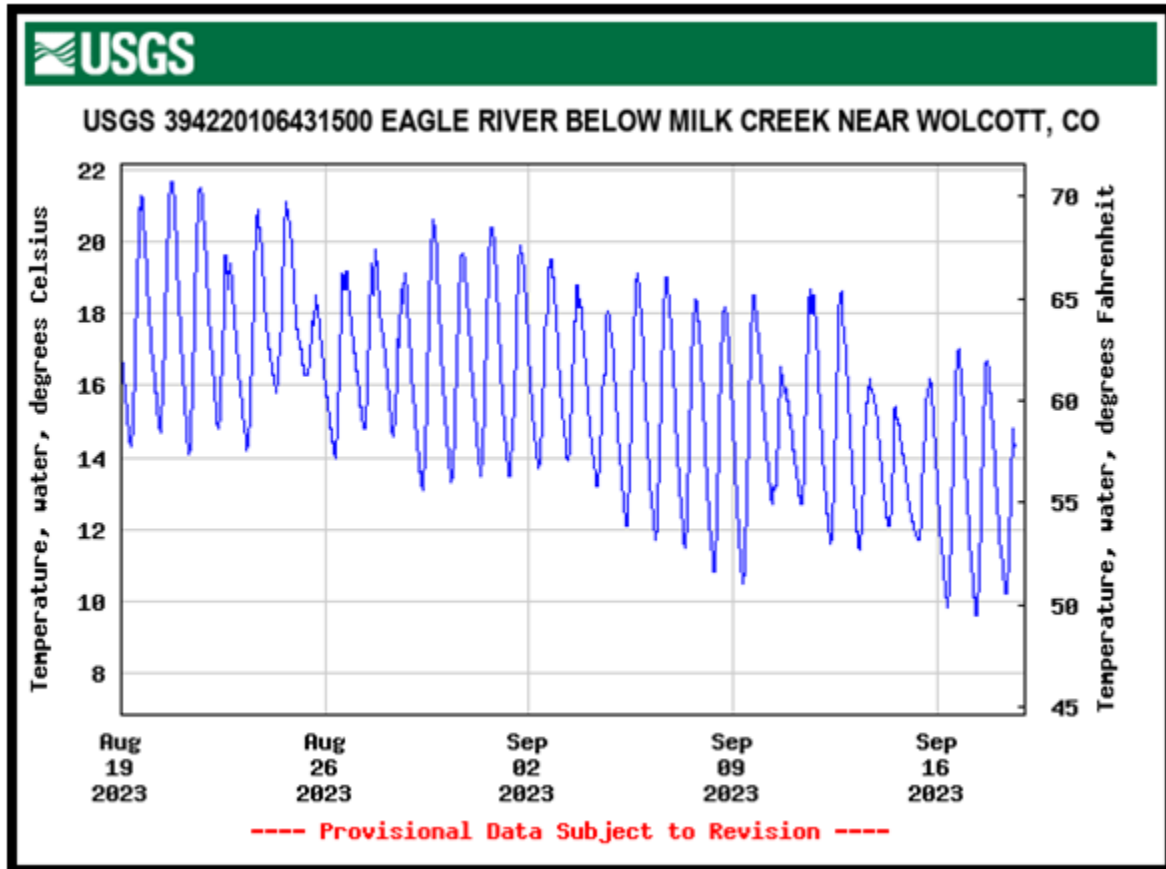
Figure 8: September 18, 2023, Colorado River at Dotsero Forecast Hydrograph, National Weather Service.



River Temperatures

Figure 9 shows the daytime high-water temperatures on the Eagle River below Milk Creek were in the high 60s in August and declined to the low 60s, reflecting the shorter days and lower temperatures in September. The temperatures are typical for the Eagle River and there were no fishing closures in 2023.

Figure 9: Eagle River below Milk Creek near Wolcott Water Temperatures (USGS)



Reservoir Volumes

Table 1 summarizes the reservoir storage accounts and demonstrates that the reservoir storage accounts are nearly full and expected to meet the District's and Authority's needs for 2023-2024.

Table 1: District and Authority storage accounts as of September 1, 2023 (Helton and Williamsen).

September 1, 2023 Volumes in Storage (acre-feet) and Percentages of Full:

Reservoir	ERWSD		UERWA		Total	
Green Mountain	934	100%	548	100%	1482	100%
Black Lakes	425	100%	300	100%	425	100%
Eagle Park	432.81	100%	680.69	100%	1113.50	100%
Homestake Res	250	100%	256.50	100%	506.50	100%
Wolford Mtn	500	100%	710.80	100%	1210.80	100%

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



MEMORANDUM

TO: Boards of Directors
FROM: Diane Johnson, Communications & Public Affairs Manager
DATE: September 28, 2023
RE: Communications and Public Affairs Report

2024 rates and conservation outreach

Given the expected increase in 2024 wastewater rates and the updated approach to two of the six account types for water rates, we are mailing a postcard to every address in the Vail, Avon, and Edwards zip codes. This will reach many individuals who do not directly pay a bill and many people who are not ERWSD or UERWA customers (but have an address within our service area); our preference was to reach a broader audience than just the addresses that receive billing statements.

It was important to focus not just on the changes to water use rates as most customers look at their *total bill* and all customers will see an increase in January due to wastewater rates. We have never sent such a mailer and are eager to measure results. The information on the card is intended to minimize unnecessary calls to customer service but we are prepared for an increase. Images of both sides of the postcard are below. Look for one in your mailbox after Sept. 29!



Water
supply in
the Colorado
River Basin is
diminishing.

It's time
to **use it**
differently.



Clean Water. Quality Life.™

Monthly water and wastewater bills will increase in 2024

Base rates will increase for all water and wastewater customers to meet ongoing regulatory mandates, upgrade aging infrastructure, and improve system resiliency.


Water use rate structures will change for some customers.

We're **updating water use rates** to be more equitable in 2 of our 6 account types:

- 1 Individually metered residential:**
 - **3,000 sq. ft. or less** home: not affected by new usage rate structure.
 - **More than 3,000 sq. ft.** home: will no longer receive more water in each usage tier.
- 2 Irrigation only**
 - All accounts will be billed based on their irrigated area.

New rate structures will be implemented in the future for Commercial, Multi-Family, Municipal, and Mixed-Use account types.


Reducing our use helps us plan for a secure water future.



EAGLE RIVER WATER & SANITATION DISTRICT
846 Forest Rd.
Vail, CO 81657

We want to help you succeed in using water differently.

For more info, contact 970.477.5451
waterconservation@erwsd.org.



erwsd.org

Colorado River Basin

Becky Mitchell, Colorado's [Commissioner](#) to the [Upper Colorado River Commission](#) (UCRC) has agreed to speak locally on Oct. 20. We are still finalizing plans and will provide an oral update at the board meetings. Please hold the date on your calendars.

Colorado River Drought Task Force

The Colorado River Drought Task Force is scheduled to meet at least seven more times in 2023; a sub-task force has also been meeting. Meeting agendas and videos are on the [task force website](#), though substantive minutes or details are lacking.

District in the news:

1. Sept. 15, Vail Daily: [Gore Creek and Eagle River receive annual checkups, ensuring water health](#)
2. Sept. 5, Covered Bridge: [Rivers Need Water: Reduce Your Use](#)
3. Aug. 24, Vail Daily: [1 Eagle County stream is getting healthier quickly, but Gore Creek still needs work](#)
4. Aug. 22, Vail Daily: [EPA removes portion of Eagle Mine Superfund site from priorities list.](#)

Attachments (and/or hyperlinks):

1. Sept. 5, LA Times: [As Colorado River shrinks, California farmers urge 'one-dam solution'](#)
2. Sept. 5, Colorado Sun: [Colorado faces a water-stressed future. Here's how the state uses its existing supply.](#)



Local waters get their annual checkup

[Home](#)

September 14, 2023



September is here, and while the turning of aspen leaves will soon have everyone looking up, there is something equally as predictable that happens at ground level. As the leaves begin to drop, Gore Creek and Eagle River get their annual checkup.

This checkup is conducted by the Eagle River Water & Sanitation District; it's also known as the annual water quality sampling event. It's a two-day event that took place Sept. 5 and 6 this year, with district employees donning waders and nitrile gloves to collect data at 27 sites. Gore Creek, Eagle River, and their aquifers are the sources for most drinking water provided between East

Vail and Edwards and they both serve as the receiving waters for wastewater effluent, or cleaned water. Since these waterways do so much for us, the district keeps a close eye on their health.

Data was collected to calculate flow rate and as many as ten different water quality parameters were either collected in the field or later analyzed with laboratory equipment. Field measurements included pH, temperature, conductivity, and dissolved oxygen; and water samples are sent off for laboratory analyses of nutrients (nitrogen and phosphorous), metals, and more. Data and analyses from this annual sampling event are combined with additional water quality data and macroinvertebrate data from across the watersheds and evaluated in an annual study. This study started in 2008, and just like your annual wellness visit, it helps identify any potential health issues before they become a bigger problem. It can also lead to action, like the [Restore the Gore](#) campaign. More than a decade ago, this study helped identify urban runoff as the main cause of pollution in Gore Creek and led to initiatives, like restoring riparian buffers and native vegetation to help filter pollutants, that directly address the problem.

The district conducts annual water quality sampling in September because that is typically when streamflow is low and predictable, and data and samples can be collected safely. There is about 85 CFS (cubic feet per second) of water flowing in the Eagle River through Avon right now, which is about 25 times less than peak flow in June. The district monitors streamflow levels using data from United States Geological Survey (USGS) gauges (you can see their streamflow graphs [here](#)). Although a decrease in flow through summer and into fall is typical, low streamflow means it's a good time to let your lawn go brown along with the falling leaves.

Water Quality