

MEMORANDUM

TO: Board of Directors

FROM: Diane Johnson, Communications & Public Affairs Director

DATE: January 20, 2022

RE: January 27, 2022, Board Meeting

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

Thursday, January 27, 2022 1:00 p.m.

This meeting will be held via Microsoft Teams

Call-in information is available prior to the meeting by emailing info@erwsd.org.

C: public items: ERWSD Managers Ken Marchetti, Marchetti & Weaver, PC Packet Materials via Email:
Bob Armour, Vail resident
Caroline Bradford, Independent Consultant
Robert Lipnick, Vail resident
Rick Sackbauer, Vail resident
Cliff Thompson, IKS Consulting



BOARD OF DIRECTORS REGULAR MEETING

Thursday, January 27, 2022 1:00 p.m.

Remote via Microsoft Teams

AGENDA - Revised

- 1. Consultant/Guest Introduction
- 2. Public Comment.
- 3. Action/Other Items
 - **3.1.** Minutes of Meetings Approval or Modification
 - 3.1.1. Minutes of Dec. 16, 2021, Regular Meeting
 - 3.1.2. Minutes of Dec. 16, 2021, Special Joint Meeting with UERWA
 - 3.1.3. Minutes of Jan. 3, 2022, Special Joint Meeting with UERWA
 - 3.1.4. Minutes of Jan. 10, 2022, Special Joint Meeting with UERWA
 - 3.1.5. Minutes of Jan. 17, 2022, Special Joint Meeting with UERWA
 - 3.2. Res. No. 2022-01: Resolution Designating Location to Post Notice Diane Johnson
 - **3.3. Res. No 2022-02**: A Resolution Calling for the 2022 Regular District Election and Appointing a Designated Election Official Diane Johnson
 - 3.4. Res. No. 2022-03: Resolution to Authorize Contribution of Found Asset Kathryn Winn / Jim Collins *
 - **3.5.** Contract Log[☼]
 - 3.6. Information Reports
 - 3.6.1. Development Report*
 - 3.6.2. Board Committees*
 - 3.6.3. Authority December Meeting Summary draft*
- 4. Strategy Items
 - **4.1.** Board Member Input
- 5. General Manager Report
 - **5.1.** General Manager information Items Acting GM David Norris
 - 5.1.1. COVID-19 update
 - **5.2.** Finance Report David Norris
 - 5.2.1. Quarterly Financials*
 - **5.3.** Operations Report Siri Roman*
 - 5.3.1. Backflow Prevention and Cross Connection Control Program Shane Swartwout*
 - 5.3.2. 2020 Macroinvertebrate Sampling Results Leah Cribari*
 - 5.3.3. Molybdenum Rulemaking Update*
 - **5.4.** Engineering and Water Resources Report Jason Cowles
 - **5.5.** Communications and Public Affairs Report Diane Johnson*
- 6. General Counsel Report Kathryn Winn

• Public comment of items not on the agenda is limited to three minutes per person on any particular subject for which public comment is accommodated, pursuant to § 18-9-108, C.R.S.

- 7. Water Counsel Report Kristin Moseley
- 8. Executive Session pursuant to §24-6-402(4)(a)(b)(d) and (e), C.R.S.
 - **8.1.** Security improvements for board member access to packets Justin Way
 - 8.2. General Counsel Review of Matters in Negotiation Kathryn Winn†
 - 8.2.1. Land Acquisition Update David Norris
 - 8.2.2. Unification Update
 - **8.3.** Water Counsel Review of Matters in Negotiation Kristin Moseley
 - 8.3.1. Eagle River MOU Jason Cowles
- 9. Adjournment

This is an all-remote meeting. For Microsoft Teams information to join the meeting, please contact info@erwsd.org prior to the meeting.





BOARD ACTION REQUEST

TO: Boards of Directors

FROM: Diane Johnson, Communications and Public Affairs Manager

DATE: January 27, 2022

RE: Res. No. 2022-01: Resolution Designating Location to Post Notice

Summary of Subject: Attached is a resolution that the board must adopt at the first regular board meeting of each year.

Discussion and Background: In December, the boards discussed a proposed 2022 regular meeting schedule, to include regular joint meetings, which is attached to the resolution as Exhibit A.

Alternatives: None.

Legal Issues: This is a statutory requirement.

Budget Implication: None

Recommendation: Adopt the resolution, with the exhibit.

Suggested Resolution and Motion: I move to approve Resolution No. 2022-01: Resolution Designating Location to Post Notice, with its attached Exhibit A of the 2022 regular meeting schedule.

Attached Supporting Documentation:

• Resolution No. 2022-01: Resolution Designating Location to Post Notice

EAGLE RIVER WATER AND SANITATION DISTRICT

RESOLUTION NO. 2022-01

RESOLUTION DESIGNATING LOCATION TO POST NOTICE

WHEREAS, pursuant to §24-6-402(2)(c) and 32-1-903(2) C.R.S., notice and, where possible, the agenda of the Eagle River Water & Sanitation District ("District") Board of Directors ("Board") meetings at which the adoption of any formal action is to occur or at which a majority or quorum of the body is in attendance, or is expected to be in attendance, shall be posted within the boundaries of the District at least 24 hours prior to each meeting at a location designated at the first regular meeting of each year.

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

Notices of meetings (regular, special, and work/study session) of the Board required pursuant to §24-6-401, *et seq.*, C.R.S., shall be posted at least 24 hours prior to each meeting at:

https://www.erwsd.org/

In the event of an exigent or emergency circumstance such as a power outage or an interruption in internet service, the District will post notice of public meetings at least 24 hours prior to a meeting at the following physical location within the District:

846 Forest Road Vail, Colorado 81657

The schedule of regular meetings of the District for 2022 is attached hereto as Exhibit A and incorporated herein by this reference:

ADOPTED this 27th day of January, 2022.

	SANITATION DISTRICT
	By
	Bill Simmons, Chair
ATTEST:	
George Gregory, Secretary	

EAGLE RIVER WATER AND

2022 Board Meeting Schedules

Eagle River Water & Sanitation District Administrative Offices 846 Forest Road, Vail, CO 81657 Remote via Microsoft Teams or Walter Kirch Conference Room

Upper Eagle Regional Water Authority

Board of Directors

meets at 8:30 a.m. on the fourth Thursday of each month

UERWA and ERWSD

Boards of Directors meets at 11:00 a.m. on the fourth Thursday of each month

Eagle River Water & Sanitation District

Board of Directors

meets at 1:00 p.m. on the fourth Thursday of each month

Meetings held on the fourth Thursday of each month, unless otherwise noted

Date	UERWA Time	Joint Time	ERWSD Time
	Time	Time	Time
January 27	8:30 a.m.	11:00 a.m.	1:00 p.m.
February 24	8:30 a.m.	11:00 a.m.	1:00 p.m.
March 24	8:30 a.m.	11:00 a.m.	1:00 p.m.
April 28	8:30 a.m.	11:00 a.m.	1:00 p.m.
May 26	8:30 a.m.	11:00 a.m.	1:00 p.m.
June 23	8:30 a.m.	11:00 a.m.	1:00 p.m.
July 28	8:30 a.m.	11:00 a.m.	1:00 p.m.
August 25	8:30 a.m.	11:00 a.m.	1:00 p.m.
September 22	8:30 a.m.	11:00 a.m.	1:00 p.m.
October 27	8:30 a.m.	11:00 a.m.	1:00 p.m.
November 17†	8:30 a.m.	11:00 a.m.	1:00 p.m.
December 15†	8:30 a.m.	11:00 a.m.	1:00 p.m.

†Meeting scheduled for third Thursday



BOARD ACTION REQUEST

TO: Board of Directors

FROM: Diane Johnson, Communications & Public Affairs Manager

DATE: January 27, 2022

RE: Res. No 2022-02: A Resolution Calling for the 2022 Regular District Election

and Appointing a Designated Election Official

Summary: A regular special district election is scheduled for May 3, 2022, to elect four directors to three-year terms (director districts 1, 3, 5, and 7). The board must adopt a resolution calling for the election and appointing a Designated Election Official (DEO). Two such versions of the resolution are attached; the only difference being whether the election is conducted as a mail ballot or polling place election.

Background: With the 2020 election, special districts began a transition from even to odd-numbered year regular elections. Directors elected in 2020 were elected to "full" three-year terms. Similarly, directors elected this year will also be elected to "full" three-year terms, to end in 2025. Since the 2020 terms end in 2023, special districts will also hold regular district elections next year, at which time "full" terms will return to being four years, and the transition to elections in odd-numbered years will be complete.

The resolution also appoints a DEO. Due to recent staff transitions, we requested outside help to fulfill this role. Peggy Rupp, with Collins Cole Flynn Winn & Ulmer, PLLC, can perform this function for us.

Alternatives: Decide on whether to conduct the election as a mail ballot or polling place election.

Legal issues: The resolution is a statutory requirement. If the election is conducted as a polling place election, voters may still cast their ballot by mail via requesting an absentee ballot. Staff will coordinate with Peggy on all other statutory requirements.

Budget implications: Polling place elections held between 2000 and 2010 averaged \$6,200 in hard costs. Polling place elections were canceled in 2012, 2016, 2018, and 2020, and candidates were declared elected as there were not more candidates than positions to be filled. The 2014 mail ballot election hard costs were \$29,744. Also, mail ballot elections require far more staff time than polling place elections. Mail ballot elections are required if a TABOR question is on the ballot.

Recommendation: Adopt the polling place resolution.

Suggested resolution and motion: I move to approve **Resolution No. 2022-02**: A Resolution Calling for the 2022 Regular District Election and Appointing a Designated Election Official, and to conduct the election as a polling place election.

Attached supporting documentation:

- Resolution No. 2022-02: A Resolution Calling for the 2022 Regular District Election and Appointing a Designated Election Official – Polling Place
- Resolution No. 2022-02: A Resolution Calling for the 2022 Regular District Election and Appointing a Designated Election Official – Mail Ballot

EAGLE RIVER WATER & SANITATION DISTRICT

A RESOLUTION CALLING FOR THE 2022 REGULAR DISTRICT ELECTION AND APPOINTING A DESIGNATED ELECTION OFFICIAL

WHEREAS, the Eagle River Water & 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 Title 32, Article 1, C.R.S.; and

WHEREAS, the terms of office of Directors Burchenal (Director District 5), Coyer (Director District 3), Paxson (Director District 1), and Simmons (Director District 7) shall expire after their successors are elected at the regular special district election to be held on May 3, 2022 (the "**Election**") and have taken office; and

WHEREAS, in accordance with the provisions of the Special District Act (the "Act") and the Colorado Local Government Election Code (the "Code") (the Act and the Code being referred to jointly as the "Election Laws"), the Election must be conducted to elect four (4) Directors to serve for a term of three (3) years pursuant to Section 1-13.5-111, C.R.S. which moves the regular special district elections to May of each odd-numbered years commencing in May, 2023 and, in connection therewith, adjusts the length of terms served by Directors elected in 2020 and 2022 in order to implement the new election schedule.

NOW, THEREFORE, be it resolved by the Board of Directors of the Eagle River Water & Sanitation District in the County of Eagle, State of Colorado that:

- 1. The regular election of the eligible electors of the District shall be held on May 3, 2022, between the hours of 7:00 a.m. and 7:00 p.m. pursuant to and in accordance with the Election Laws, and other applicable laws. At that time, four (4) Directors will be elected to serve a three-year term.
- 2. There shall be one election precinct for the convenience of the eligible electors of the District, the boundaries of which shall be identical to the boundaries of the District, and there shall be four (4) polling places at the following location(s):

Grandview Room

Lionshead Parking Structure 395 S. Frontage Rd. West Vail, CO 81657

Mountain Recreation Field House 450 Miller Ranch Road Edwards, CO 81632

Eagle River Fire Protection District

Avon Fire Station #7 60 Buck Creek Road Avon, CO 81620

Town of Minturn 302 Pine Street Minturn, CO 81645

These polling places shall also be for disabled electors and for eligible electors not residing within the District. If the Designated Election Official deems it to be more expedient for the convenience of the eligible electors of the District (who are also eligible electors in other special districts with overlapping boundaries which are conducting elections on the Election day), the Election may be held jointly with such special districts in accordance with coordinated election procedures as set forth in an agreement between all participating special districts. In such event, the election precincts and polling places shall be as set forth in such agreement. The Designated Election Official is authorized to execute such agreement on behalf of the District, which agreement shall include provisions for the allocation of responsibilities for the conduct and reasonable sharing of costs of the coordinated Election.

- 3. The Board of Directors hereby designates Peggy Rupp as the Designated Election Official for the conduct of the Election on behalf of the District and she is hereby authorized and directed to proceed with any action necessary or appropriate to effectuate the provisions of this Resolution and of the Election Laws or other applicable laws. Among other matters, the Designated Election Official shall provide the call for nominations, appoint election judges as necessary, appoint the Canvass Board, arrange for the required notices of election, printing of ballots, and direct that all other appropriate actions be accomplished.
- 4. Self-Nomination and Acceptance forms are available from Peggy Rupp, the Designated Election Official for the District, at c/o Collins Cole Flynn Winn & Ulmer, PLLC, 165 S. Union Blvd., Suite 785, Lakewood, Colorado, or email: prupp@cogovlaw.com. All candidates must file a Self-Nomination and Acceptance form with the Designated Election Official no earlier than January 1, 2022, nor later than the close of business on Friday, February 25, 2022.
- 5. If the only matter before the electors is the election of Directors of the District and if, at the close of business on March 1, 2022, there are not more candidates than offices to be filled at the Election, including candidates timely filing affidavits of intent no later than February 28, 2022, the Designated Election Official shall cancel the Election and declare the candidates elected. Notice of such cancellation shall be published and posted in accordance with the Code.
- 6. If any part or provision of this Resolution is adjudged to be unenforceable or invalid, such judgment shall not affect, impair, or invalidate the remaining provisions of this Resolution, it being the Board's intention that the various provisions hereof are severable.
- 7. Any and all actions previously taken by the Designated Election Official, the Secretary of the Board of Directors, or any other persons acting on their behalf pursuant to the Election Laws or other applicable laws, are hereby ratified and confirmed.

- 8. All acts, orders, and resolutions, or parts thereof, of the Board which are inconsistent or in conflict with this Resolution are hereby repealed to the extent only of such inconsistency or conflict.
 - 9. The provisions of this Resolution shall take effect immediately.

ADOPTED this 27th day of January, 2022.

EAGLE RIVER WATER AND SANITATION DISTRICT

		By_{\perp}	
		-	Bill Simmons, Chair
AT	ΓEST:		
Ву		_	
	George Gregory, Secretary		

EAGLE RIVER WATER & SANITATION DISTRICT

A RESOLUTION CALLING FOR THE 2022 REGULAR DISTRICT ELECTION AND APPOINTING A DESIGNATED ELECTION OFFICIAL

WHEREAS, the Eagle River Water & 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 Title 32, Article 1, C.R.S.; and

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NOW, THEREFORE, be it resolved by the Board of Directors of the Eagle River Water & Sanitation District in the County of Eagle, State of Colorado that:

- 1. The regular election of the eligible electors of the District shall be held on May 3, 2022, between the hours of 7:00 a.m. and 7:00 p.m. pursuant to and in accordance with the Election Laws, and other applicable laws. At that time, four (4) Directors will be elected to serve a three-year term.
- 2. The Election shall be conducted as a mail ballot election in accordance with all relevant provisions of the Election Laws. The Designated Election Official shall prepare the Plan for conducting the mail ballot Election. There shall be no election precinct or polling place. All mail ballots shall be returned to the Designated Election Official at the address designated in the Mail Ballot Plan.
- 3. The Board of Directors hereby designates Peggy Rupp as the Designated Election Official for the conduct of the Election on behalf of the District and she is hereby authorized and directed to proceed with any action necessary or appropriate to effectuate the provisions of this Resolution and of the Election Laws or other applicable laws. Among other matters, the Designated Election Official shall publish the call for nominations, appoint election judges as necessary, appoint the Canvass Board, arrange for the required notices of election, printing of ballots, and direct that all other appropriate actions be accomplished.

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- 6. If any part or provision of this Resolution is adjudged to be unenforceable or invalid, such judgment shall not affect, impair, or invalidate the remaining provisions of this Resolution, it being the Board's intention that the various provisions hereof are severable.
- 7. Any and all actions previously taken by the Designated Election Official, the Secretary of the Board of Directors, or any other persons acting on their behalf pursuant to the Election Laws or other applicable laws, are hereby ratified and confirmed.
- 8. All acts, orders, and resolutions, or parts thereof, of the Board which are inconsistent or in conflict with this Resolution are hereby repealed to the extent only of such inconsistency or conflict.
 - 9. The provisions of this Resolution shall take effect immediately.

ADOPTED this 27th day of January, 2022.

EAGLE RIVER WATER AND SANITATION DISTRICT

	By	
	Bill Simmons, Chair	
ATTEST:		
Ву	_	
George Gregory, Secretary		

EAGLE RIVER WATER AND SANITATION DISTRICT RESOLUTION NO. 2022-03

RESOLUTION TO AUTHORIZE CONTRIBUTION OF FOUND ASSET

WHEREAS, approximately six years ago a diamond ring was found by District personnel in a District Sewer Main ("Ring"); and

WHEREAS, during the last six years District has had the Ring appraised at \$13,000, has made significant and fully adequate effort to discover and return the Ring to the owner, has reported the find to Eagle County Sherriff's Office, and has subsequently taken all necessary steps to secure ownership in the name of the District; and

WHEREAS, the District has learned that any sale of the Ring by the District would only yield approximately one-half (½) the appraised value; and

WHEREAS, the District has been approached by the Vail Valley Foundation, a charitable 501c(3) non-profit corporation ("Foundation"), that it is likely full value of the Ring could be obtained at its upcoming annual charity auction, and that all proceeds would be allotted to projects of significant interest and benefit to the District; and which the District would legally be authorized to undertake or make a payment towards the implementation at Gerald R. Ford Amphitheatre in Vail.

NOW, THEREFORE, in consideration of the benefits and consideration offered by the Foundation, the Board of Directors of the District does authorize District staff to convey the Ring to the Foundation for disposition at auction with the proceeds to be spent on District authorized improvements including, but not limited to: (1) solar panel installations; (2) water saving irrigation improvements; (3) replacement of grass with artificial turf; and (4) related improvements that will benefit the District and its customers.

EAGLE RIVER WATER & SANITATION DISTRICT 2022 CONTRACT LOG

	EAGLE RIVER WATER & SANITATION DISTRICT 2022 CONTRACT LOG							
Contract	Date	Change Order			Contract	Project	Account	Statue and
Number	Executed	signed on	Project Name	Contractor	Amount	Manager	Number	Notes
21.15.078	Bid Process		Dowd Junction Collection System Improvement Project			J. Bearisto	10.3.2.10.01.006	
21.15.079	Pending		EVSE install at Cattail Employee Housing	Triangle Electric	\$ 19,600.00	K. Koppel	10.1.2.10.80.100	Open/Contract Expires 4/30/22
21.15.080	Pending		Wells Pump, Motor Installation and Video Services	Layne Christensen Company	\$50,000.00	A. Kirsch	10.3.2.20.09.020	Open/Contract NTE \$50,000.00
21.15.081	12/1/21		Main Gore Place Water Main Emergency Repair	Nottingham Excavating & Trucking, Inc.	\$154,873.94	N. Nemcanin	10.3.9.20.20.520	Open/Contract Expires 12/31/21
22.15.001	12/17/21		Vehicle Maintenance Agreement	Town of Avon	\$110.00/hour	S. Smits	10.3.9.00.20.225	Open/Contract Expires 12/31/22
22.15.002	12/29/21		Bolts Lake Phase 1 ESA Update	Pinyon Environmental, Inc.	\$5,000.00	J. Cowles	10.3.2.20.09.136	Open/Contract Expires 1/31/22
22.15.003	01/19/22		On Call Engineering Services	Carollo Engineers, Inc.	\$40,000.00	S. Roman	Various	Open/Contract Expires 12/31/22
22.15.004	01/14/22		Window Cleaning Service - Vail Offices	Mountain Window Cleaning LLC	\$800.00	S. Smits	10.3.9.10.20.500	Open/Contract Expires 2/10/22
22.15.005	01/13/22		EVSE install at Cattail Employee Housing	Triangle Electric	\$19,600.00	K. Koppel	10.1.2.10.80.100	Open/Contract Expires 4/30/22

New Development Report January 2022

January 2022									
	EAGLE RIVER WATER & SANITATION DISTRICT	Type of Use	SFEs Proposed	Location	Projected Water Demand Annual Acre-Feet Augmentation (AF)	Development Approval Process Step:	Construction Approval Process Step:		
				Authori	ty				
	ECO School District Housing	Residential	37	Edwards	3.7	1. Connection Application	1. Plan Review		
uo	Edwards River Park PUD	Mixed Use	440+com	Edwards	61.8	3. Cond. Capacity	0. Conceptual		
Dedication	Mountain Hive	Residential	188	Edwards	10.5-15.2	3. Cond. Capacity	0. Conceptual		
Requiring Water Rights De	NorthStar PUD Amendment	Commercial	TBD	Edwards	3.92	4. Water Rights	1. Plan Review		
r Righ	Riverwalk Edwards Ammendment	Residential	18	Edwards	1.8	2. Water Analysis	0. Conceptual		
Wate	Vogelman Parcel (Carwash)	Mixed Use	1.5	Edwards	1.1-2.6	2. Water Analysis	1. Plan Review		
uiring	Warner Building 2 Conversion	Residential	13.25	Eagle-Vail	0.07	3. Cond. Capacity	N/A		
Requ	West End PUD Ammendment	Residential	335	Edwards	34.3	2. Water Analysis	0. Conceptual		
Projects I				Distric	t				
Pro	534 E Lionshead Circle - Elevation	Residential	12	Vail	0.49	2. Water Analysis	0. Conceptual		
	500 E Lionshead Circle - Legacy	Residential	23	Vail	0.31	2. Water Analysis	1. Plan Review		
	Alura (Miradoro)	Residential	10	Vail	0.83	1. Connection Application	1. Plan Review		
				Authori	ty				
	Avon Hotel Development	Commercial	85	Avon		2. Water Analysis	0. Conceptual		
	CVC Clubhouse Residences	Residential	9	Edwards	1.34	6. Ability to Serve Letter	2. Plan Approval		
	140 W Beaver Creek Bvld	Residential	112	Avon		N/A	0. Conceptual		
	185 Elk Track	Residential	4	Beaver Creek		N/A	4. Warranty Period		
	6 West Apartments (formerly Via)	Residential	120	Edwards	12.56	6. Ability to Serve Letter	4. Warranty Period		
	Fox Hollow Amended PUD	Mixed Use	108	Edwards	14	6. Ability to Serve Letter	1. Plan Review		
	Frontgate	Mixed Use	84	Avon	2.6	6. Ability to Serve Letter	1. Plan Review		
	Kudel Parcel	Residential	4	Edwards	2.4	6. Ability to Serve Letter	1. Plan Review		
	Maverik Gas Station	Commercial	3	Avon	1.03	6. Ability to Serve Letter	2. Plan Approval		
	Piedmont	Residential	240	Avon		N/A	4. Warranty Period		
ction	Riverfront Lot 1	Residential	53	Avon	53	N/A	2. Plan Approval		
Construction	Riverfront Village	Residential	59	Avon		N/A	4. Warranty Period		
nder C	S. Frontage Rd Roundabout	Residential	21	Edwards	1.7	6. Ability to Serve Letter	4. Warranty Period		
Projects U	Stolport Restaurant	Commercial	TBD	Avon		2. Water Analysis	1. Plan Review		
Proj	District								
	3010 Basingdale (Phase II)	Residential	2	Vail		N/A	4. Warranty Period		
	841/851 Main St Minturn	Residential	4	Minturn		N/A	4. Warranty Period		
	Belden Place (1200 Block Main St)	Residential	41	Vail	N/A	N/A	2 Plan Approval		
	Highline (Double Tree Expansion)	Residential	43.65	Vail	0.79	6. Ability to Serve Letter	1. Plan Review		
	North Minturn PUD	Residential	184	Minturn		N/A	1. Plan Review		
	Red Sandstone Parking Garage	Infrastructure	N/A	Vail		N/A	4. Warranty Period		
	The Residences at Main Vail	Residential	72	Vail	0.81	6. Ability to Serve Letter	1. Plan Review		
	S. Frontage Rd Roundabout	Infrastructure	N/A	Vail		N/A	2. Plan Approval		
	Vail Mountain View Phase II	Mixed Use	37	Vail		6. Ability to Serve Letter	N/A		
	VVMC Phase II-East Wing	Commercial		Vail		N/A	2. Plan Approval		
	Vail Marriott Residence Inn	Mixed Use	75	Vail		N/A	2. Plan Approval		
ess	Construction Approval Process Steps:	0. Conceptual	1. Plan Review	2. Plan Approval	3. Acceptance	4. Warranty Period	5. Final Acceptance		
Process	Development Approval Process Steps:	Connection Application	2.Water Demand Worksheet Analysis	3.Conditional Capacity to Serve Letter	4.Water Rights Allocation	5.Water Service Agreement	6. Ability to Serve Letter		
			, analysis	30.70 LOROI					





COMMITTEES

DISTRICT

AUDIT/BUDGET

Dick Cleveland Steve Coyer **EMPLOYEE HOUSING**

Steve Coyer Dick Cleveland RETIREMENT PLANS

Bob Warner Linn Brooks David Norris

ORGANIZATIONAL DEVELOPMENT

Bill Simmons Dick Cleveland FACILITIES MASTER
PLAN (FORMERLY REAL
ESTATE AND NEW
DEVELOPMENT)

George Gregory Bob Warner

AUTHORITY

AUDIT/BUDGET

Geoff Dreyer George Gregory

JOINT

WATER QUALITY

Sarah Smith Hymes (A) Timm Paxson (D)

RULES AND REGULATIONS

Kim Bell Williams (A) Bob Warner (D)

WATER SUPPLY PLANNING

Sarah Smith Hymes (A) Mick Woodworth (A) Kate Burchenal (D) Steve Coyer (D)

CLIMATE ACTION PLAN

Sarah Smith Hymes (A) Kate Burchenal (D) Timm Paxson (D)

UNIFICATION*



UNIFICATION

Geoff Dreyer (A) Sarah Smith Hymes (A) Steve Coyer (D) Bill Simmons (D)

(A) = Authority(D) = District

*unification will be discussed on board level, not subcommittee



MEMORANDUM

TO: Board of Directors

FROM: Diane Johnson, Communications & Public Affairs Manager

DATE: Jan. 18, 2022

RE: Summary of Authority's Dec. 16, 2021, Board Meeting

The Town of Avon

GOVERNED BY:

The Metropolitan Districts of:

Arrowhead

EagleVail

Edwards

Beaver Creek Berry Creek

The following is a summary of items discussed at the Dec. 16, 2021, Authority Board Meeting.

Board members present and acting were Chair George Gregory, Vice-Chair Sarah Smith Hymes, Secretary Kim Bell Williams, Treasurer Geoff Dreyer, Pam Elsner, and Mick Woodworth.

Resolution
Designating Official
Custodian of
Records

The board approved a Resolution that designated David Norris as the Official Custodian of Records and adopted an updated policy on responding to open records requests.

Water Year 2021 Review and 2022 Outlook Diane Johnson and Jason Cowles reviewed water year 2021, including annual reservoir storage and streamflows, and discussed the WY2022 outlook.

2022 Proposed Regular and Joint Meeting Schedule The board agreed on a 2022 meeting schedule that continues with regular meetings on the fourth Thursday of each month at 8:30 a.m. and holds Joint regular meetings with the Eagle River Water & Sanitation District board of directors at 11 a.m. on the same days.

Avon Wastewater Nutrient Upgrade Project Update Melissa Marts reported on the Nutrient Upgrade project that is ongoing at the Avon wastewater treatment facility. The project team is preparing for a major project milestone: bringing the new aeration basin volume, blowers, diffusers, instrumentation, and associated piping online in early January. The project is on schedule and within budget.

Water Main repairs

Niko Nemcanin reported on a difficult repair of a recent water main break that occurred near the Eagle River and West Beaver Creek Blvd. in Avon.

CORE Act

Diane Johnson informed directors that the CORE Act was recently removed from the National Defense Authorization Act, and that language negotiated years ago by District and Authority consultants, staff, and directors remains in the current version of the federal legislation.

Water Counsel Updates

Kristin Moseley said the Eagle Vail Augmentation Application seeks to adjudicate new water rights primarily associated with the golf course. She also informed the board that the Piney River Unit Diligence Application is currently being finalized.



Fiscal Year 2021 Quarterly Financial Report

For the 4th Quarter Ending December 31, 2021

	1.	Quarterly	Financial	Report	Cover	Mem
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- 2. Budget Comparison Report
- 3. Controller's Notes
- 4. Amended Budget Revenue Comparison Report
- 5. Property Tax Revenue Report
- 6. Impact Fee Revenue Report
- 7. Debt Service Revenue Report
- 8. Service Revenue Report
- 9. Tiered Water Revenue Report
- 10. Revenue and Expense Trends Report
- 11. Amended Budget Expenditure Report
- 12. Balance Sheet and Income Statement Report
- 13. Housing Report
- 14. Investment Portfolio Summary Report



To: Board of Directors

From: David Norris, Director of Finance

Date: January 27, 2022

Re: Quarterly Financial Reports

The quarterly reports attached represent our budget to actuals through the 4th quarter 2021 and are compared to the 4th quarter of the prior year, overall net position of our funding sources, analyses on revenue and expenditure trends, and a snapshot of our housing program net position.

In general, for both the Wastewater Fund and the Vail Water fund, operational revenues were higher compared to the 4th quarter 2020, where bond revenues and other funding were lower due to the issuance in 2020. Expenses were also higher than the 4th quarter 2020 expenditures primarily due to capital projects. Capital project expenditures are 199.55% higher than 4th quarter 2020, as anticipated. Through the 4th quarter of fiscal year 2021, overall revenues represent a 52.62% decrease over the 4th quarter fiscal year 2020 and expenditures represent a 49.45% increase over the 4th quarter of 2020.

The expenditures are due to the shifted capital projects into 2021 and are expected. Overall impact fees are above the rate of collection from 2020, where through the 4th quarter of 2021, impact fees collected were \$584,500 for the Wastewater Fund and \$677,841 for the Vail Water Fund. These revenues are somewhat unpredictable but will be tracked and monitored closely. Fund balances for both the Wastewater fund and Vail Water fund are healthy. However, to obtain higher credit ratings, impacting bond pricing, the District needs a fund balance policy, where the reserves should be set to utility industry standards of 1 year of Operating and Maintenance costs for each respective fund. The Operating agreement with the Authority will see its final true up and as expected, therefore, the funds will see an estimated additional \$2.79M in additional revenue bringing the fund balances up.

Service revenues, tiered water sales and debt service revenues are the primary increases in total revenues. Both expenses and revenues are on track and are expected, and there are not any major shifts from budgets at this point in the fiscal year.

Respectfully:

David Norris, Director of Finance, Eagle River Water and Sanitation District

Budget Comparisons

Budget to actual comparisons are vital to assessing overall financial health and strategic priorities as an entity evolves. The following are overall budget comparisons and highlights through the 4th quarter 2021 compared to 4th quarter 2020.

• Projected Total Fund Balance:

- o Wastewater Fund \$36,511,041/+\$1,073,681
- o Vail Water Fund \$7,361,122/+\$20,134

• Projected Ending, Unrestricted Fund Balance:

- o Wastewater Fund \$16,394,586/+\$38,656,315
 - The primary driving factors were unspent bond proceeds being restricted for future use, a stipulation of the bond covenants.
- o Vail Water Fund \$3,764,891/+\$1,770,554
 - Primary driving factors are increases to water service revenue, an effort to increase fund balance, and a timing of debt service payables.

Targeted Fund Balance:

- Wastewater Fund \$4,459,728, represents 3 months operating expenses
- o Vail Water Fund \$1,493,348, represents 3 months operating expenses

• Unrestricted, Uncommitted Fund Balance:

- Wastewater Fund \$11,934,858
- Vail Water Fund \$2,271,543

Coverage Ratios:

- Wastewater Fund Debt service coverage target rate: 1.74/-81.50%
 - Primarily driven from 2020 bonding
 - Minimum Target ratio: 1.10 times/4.57/-85.15%
- Vail Water Fund Debt service coverage target rate: 1.85/-55.48%
 - Primarily due to unspent bond proceeds being spent in 2021.
 - Minimum target ratio: 1.15 times/2.96/-66.94%

Eagle River Water and Sanitation Budget Comparison

For the 4th Quarter Ending December 31, 2021

	Year to	Date		2020
Original	Revised	-	(Over)/Under	Actual
Budget	Budget	Actual	Budget	
14 057 801	14 057 801	18 410 200	1.452.600	15,294,538
	the second secon	2007	The second secon	6,215,092
				498,906
				849,605 22,658,141
0.005.004	0.000.055	E 000 04E	200 000	5.641.767
				104,980
				9,788,866
117,000	123,000			129,351
		A COLUMN TO SERVICE AND ADDRESS OF THE PARTY		(139,760
				238,794
17,838,914	17,751,914	16,801,569	950,345	15,763,998
4,553,139	4,640,139	5,981,873	1,341,734	6,894,143
363,645	363,645	1,155,945	792,300	668,867
	10.000			1,471,476
1,475,000	1,110,000	1,401,400	17,110	137,000
				11,650,000
244.004	244.004	200 404	54.407	
F. A. J. A. T.				28,592
				818,735
2,915,726	2,918,352	3,378,991	460,639	14,774,670
7,468,866	7,558,491	9,360,864	1,802,373	21,668,814
A 781 740	E 522 177	5 521 207	4 970	2,318,475
38,018,983	42,475,338	20,490,904	15,878,373	13,419,662
43,280,722	47,998,515	32,018,272	15,980,243	1,433
125 044 0501	140 440 0241	(22.057.400)	(47 702 040)	E 200 044
(33,811,836)	(40,440,024)	(22,657,408)	[17,782,616]	5,268,911
59,168,449	59,168,449	59,168,449		30,168,449
23,356,593	18,728,425	36,511,041		35,437,360
1 440 003	1 440 003	1 440 003		1,406,886
1,170,000	1,770,000	1,770,003		
		444 444		1,378,000
000,000	600,000	600,000		600,000
4 442 E42	5 544 545	7521 855		1,370,000
				1,808,500
				49,650,179
455,533	1,822,130	455,557		1,348,780
136,745	136,745	136,745		136,745
44,452,870	42,716,468	20,116,455		57,699,090
(21,096,277)	(23,988,043)	16,394,586		(22,261,730
4,459,728	4,459,728	4,459,728		4,314,527
(25,556,005)	(28,447,771)	11,934,858		(26,576,257
(4.73)	(5.38)	3.68		(5.16
1.60	1.41	1.74		9.39
40.00	0.00	4.57		20.24
10.00	8.09	4.57		30.81
	Budget 14,957,801 5,395,312 494,140 1,545,000 22,392,053 6,235,681 132,000 11,054,232 117,000 300,000 17,838,914 4,553,139 363,845 1,470,353 344,004 737,724 2,915,726 7,468,866 4,761,740 38,518,983 43,280,722 (35,811,856) 59,168,449 23,356,593 1,449,093 600,000 1,808,500 40,002,999 455,533 136,745 44,452,870 (21,096,277) 4,459,728	Original Budget Budget 14,957,801 14,957,601 5,395,312 5,395,312 494,140 494,140 1,545,000 1,545,000 22,392,053 22,392,053 8,235,881 6,369,355 132,000 222,000 11,054,232 10,737,560 117,000 123,000 300,000 300,000 17,838,914 17,751,914 4,553,139 4,640,139 363,645 363,645 1,470,353 1,470,353 344,004 344,004 737,724 740,350 2,915,726 2,918,352 7,468,866 7,558,491 4,761,740 5,523,177 38,518,983 42,475,338 43,280,722 47,998,515 (35,811,856) (40,440,024) 59,168,449 59,168,449 23,356,593 18,728,425 1,449,093 1,449,093 600,000 600,000 1,808,500 1,808,500 40,002,999 36,900,000 456,533 1,822,130 136,745 136,745 44,452,870 42,716,468 (21,096,277) (23,988,043) 4,459,728 4,459,728	Budget Budget Actual	Original Budget Revised Budget Actual (Over)Under Budget 14,967,801 14,957,801 16,410,289 1,452,888 5,395,312 5,395,312 4,769,561 (625,751) 494,140 494,140 637,285 143,145 1,545,000 1,545,000 96,838 (578,692) 22,392,053 22,392,053 22,783,442 391,389 6,235,681 6,369,356 5,983,345 386,009 132,000 222,000 231,123 (8,123) 117,001 123,000 137,271 (14,271) 300,000 300,000 201,353 98,047 117,838,914 17,751,914 16,801,589 950,345 4,553,139 4,640,139 5,981,873 1,341,734 363,645 363,645 1,155,945 792,300 1,470,353 1,470,353 1,487,499 17,146 344,004 344,004 398,191 54,187 737,724 740,350 337,355 (402,995) 2,915,726 2,

Eagle River Water and Sanitation Budget Comparison

For the 4th Quarter Ending December 31, 2021

	Year to	Date		2020
Original	Revised		(Over)/Under	Actual
Budget	Budget	Actual	Budget	
6,747,829	6,747,829	6,723,557	(24,272)	6,217,200
918 000	920 500	883 358	57 144	863,763
			20.00	353,718
			The second second	24,408
				248,275
				1.054,277
The second secon	The second secon		100000	2,778,103
				105,478
5,973,390	5,957,890	5,747,226	210,664	5,428,023
774,439	789,939	976,331	186,392	789,177
238,075	238,075	677,841	439,766	307,504
983,747	983,747	1.043.947	60,200	1.015,227
7,300,000	7.300,000		(7,300,000)	
	The state of the s	750 040		725,676
70.00				231,315
9,662,073	9,662,948	2,614,917	(7,048,031)	2,279,722
40.426.542	40 452 007	2 504 240	10 004 020V	3,068,898
10,436,312	10,432,887	3,351,248	(6,861,633)	3,060,030
	- T. T.	- 1-5 - 550	0.00	200.00
2,188,302	2,188,302	2,171,042	17,260	823,663
6,296,419	4,495,394	1,116,725	3,378,669	418,420
439,825	579,718	279,572	300,146	64,367
9,166,123	7,263,414	3,567,339	3,696,074	1,306,450
1,270,389	3,189,474	23,909	3,165,565	1,762,449
7,337,213	7.337.213	7,337,213		5,578,539
8,607,602	10,526,687	7,361,122		7,340,988
600 000	600,000	800,000		600,000
2	300.000			1340.000
2 435 018	2 427 050			3.962.500
265,866	736,775	265,754		738,569
45 500	45 500	45 500		45 502
3,347,366	3,809,407	3,596,231		45,582 5,346,651
5,260,236	6,717,280	3,764,891		1,994,337
4 402 240	4 402 240			4 420 507
1,493,348	1,433,346	1,493,348		1,420,567
3 766 999	5 222 922	2 274 542		572 770
3,766,888	5,223,932	2,271,543		573,770
3,766,888 3.52	5,223,932 4.50	2,271,543 2,52		573,770
	918,000 423,000 82,000 276,000 1,079,274 3,098,116 97,000 5,973,390 774,439 238,075 983,747 7,300,000 747,034 393,217 9,662,073 10,436,512 2,188,302 241,578 6,296,419 439,825 9,166,123 1,270,389 7,337,213 8,607,602 600,000 2,435,918 265,886 45,582 3,347,366	Original Budget Revised Budget 6,747,829 6,747,829 918,000 423,000 82,000 276,000 920,500 423,000 82,000 276,000 1,079,274 3,098,116 97,000 5,973,390 1,160,832 5,957,890 774,439 789,939 238,075 983,747 7,300,000 747,034 393,217 394,092 9,662,073 238,075 983,747 983,747 983,747 9,300,000 747,034 394,092 9,662,073 9,662,948 10,436,512 10,452,887 2,188,302 241,578 6,296,419 439,825 579,718 9,166,123 2,188,302 7,263,414 1,270,389 3,189,474 3,337,213 8,607,602 10,526,687 600,000 2,435,918 265,866 736,775 2,427,050 736,775 45,582 3,347,366 3,809,407 5,260,236 6,717,280 6,717,280	Budget Budget Actual 6,747,829 6,723,557 918,000 920,500 863,356 423,000 423,000 425,213 82,000 82,000 13,819 276,000 276,000 214,188 1,079,274 1,160,832 1,204,069 3,098,116 2,992,558 2,917,637 97,000 103,000 108,943 5,973,390 5,957,890 5,747,226 774,439 789,939 976,331 238,076 238,075 677,841 983,747 983,747 1,043,947 7,300,000 7300,000 747,034 747,034 750,040 393,217 394,092 143,089 9,662,073 9,662,948 2,614,917 10,436,512 10,452,887 3,591,248 2,188,302 2,171,042 241,578 6,296,419 4,495,394 1,116,725 439,825 579,718 279,572 9,166,123 7,263,414 3	Original Budget Revised Budget Actual (Over)/Under Budget 6,747,829 6,747,829 6,723,557 (24,272) 918,000 920,500 863,356 57,144 423,000 425,203 (2,213) 82,000 82,000 13,819 68,181 276,000 276,000 214,188 61,812 1,079,274 1,160,832 1,204,069 (43,237) 3,098,116 2,982,558 2,917,837 74,921 97,000 103,000 108,943 (5,943) 5,973,390 5,957,890 5,747,226 210,664 774,439 789,939 976,331 186,392 238,075 238,075 677,841 439,768 983,747 983,747 1,043,947 80,200 7,300,000 7,300,000 7,300,000 7,300,000 747,034 747,034 750,040 3,006 393,217 394,092 143,089 (251,003) 9,662,073 9,662,948 2,614,917 (7,048,031

Controller's Report

For the 4th Quarter Ending December 31, 2021

Budget Transfers:

A transfer was made to fund the annual debt service for the 2012 bonds. During budgeting, it was not known that all the 2012 bonds would not be fully refunded. Another transfer was requested to fund capital housing. A few minor adjustments occurred in capital and expense accounts. Also, \$3,440,826 of the 2020 capital budget was rolled over into 2021.

A budget transfer to lower the 2021 budget for the Bolt's Lake Project by \$1.8 million was made. This is due to timing of the project. A few small budget transfers have been requested to date with no effect on fund balance. Funds were moved between existing budgets to accomplish the transfer. Also, \$160,451 of the 2020 capital budget was rolled over into 2021.

Variances & Forecasts:

- Wastewater Fund
 - Revenue collected vs budget +2%. Wastewater service fees are higher than expected, property rentals are approximately +29% budget and meter sales are \$42,000 above budgeted amounts.
 - Routine expenditures are -5.4% budget, however, expected to be at budget at year end. Electricity is lower than expected, personnel expenses are below budget, and we have been reimbursed for an employee housing loan. Wastewater quality, regulations and studies are currently under budget by about \$100,000.
 - Developer and other funding are currently at +\$450,000 budget because of because of increases to impact fees are coming in above projections of +\$450,000.
 - Capital construction spending is slower than expected. Projects are proceeding
 and heavy spending on the wastewater projects will continue through year end.
 The timing of the budget spending may be off at year end and funds may need to
 roll to 2022 to complete the projects.
- Vail Water Fund
 - Routine expenditures are -4% budget.
 - Distribution and treatment are lower partially due to electricity costs less than expected and we have had fewer repairs to the system.
 - General and Administrative costs are low due to less spending on consulting and water demand management. Personnel expenses are lower than budgeted.
 - Developer and other funding are +\$245,000 budget due to lower interest and miscellaneous income less than anticipated. Tap fees are slightly ahead of projections.
 - Capital construction spending is slower than expected. Some capital funds may need to roll to 2022 to complete the projects due to timing of the project.

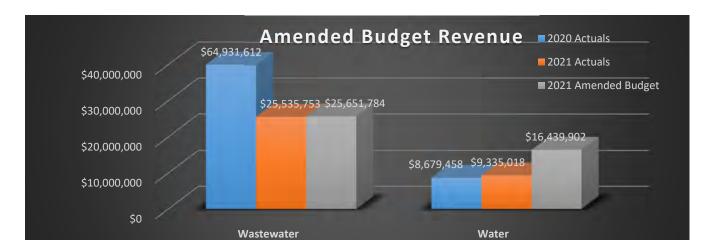
Amended Budget Revenue Comparison

The District adopted the Fiscal Year 2021 budget on November 17, 2020. The total annual revenue budget is \$42,091,686. The following are overall revenue budget comparisons and highlights through the 4th quarter 2021 compared to 4th quarter 2020.

Revenue Totals:

o Wastewater Fund - \$25,535,753/-60.67%

- o Vail Water Fund \$9,335,018 /+7.55%
- Primary driving factors were due to debt service, CRP base fees, and tiered water sales increases.



Property Tax Revenue Summary

Revenue Totals:

\$3,610,043/+1.02%



Impact Fee Revenue Comparative Summary

o Impact Fee Revenue Totals:

- Wastewater Fund \$584,500/+\$289,809
- o Vail Water Fund \$677,841/+\$370,337
- Primary driving factors are construction projects and their timing. The revenues are unreliable by nature but are monitored closely.



Impact fees collected by development area represent our primary geographical service areas and collection pools by major funding source.



Debt Service Revenue Summary

Debt Service Revenue Totals:

- Wastewater Fund \$3,909,307/+\$803,797/+25.88%
- o Vail Water Fund \$4,194,534/+\$207,418/+5.20%
- The primary driving factor of the increase in revenue is debt service base rate increases and SFE base rate increases.



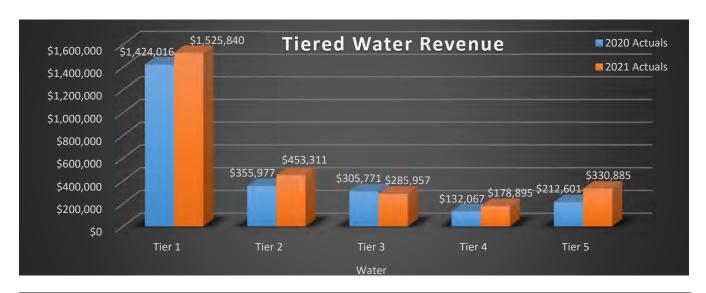
Service Revenue Summary

- Service Revenue Totals:
 - Wastewater Fund \$12,600,473/+\$934,914/+8.01%
 - o Vail Water Fund \$2,784,044/+\$260,424/+10.32%
 - o The primary driving factor of the increased revenues was use sales and service increases.



Tiered Water Revenue Summary

- Tiered Water Sales Revenue Totals:
 - o Vail Water Fund \$2,774,889/+\$344,457/+14.17%

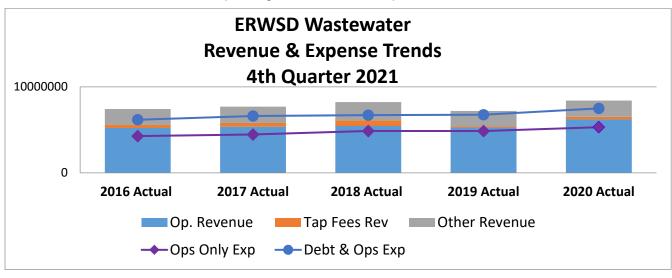


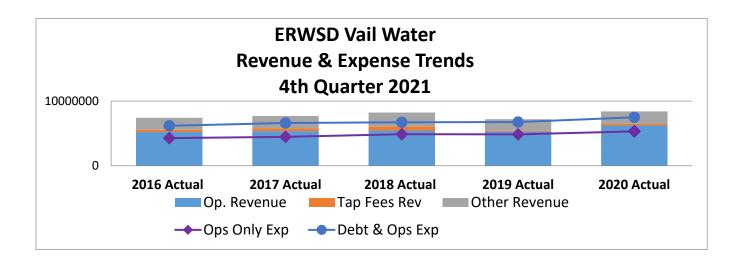
Revenue & Expense Trends

Revenue to expense trends are important to analyze as this is a key component of operating net income and a component of a financial health index. Looking solely at operating expenditures, debt expenditures, and operating expenditures comparatively to revenues, through the 4th quarter 2021:

Net Income/(Loss):

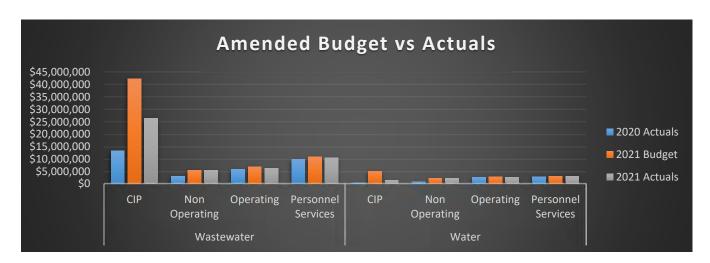
- Wastewater Fund \$9,360,864/-56.8% and \$3,839,556/-80.16% when including debt expenditures.
 - The reductions are primarily driven from bond proceeds in 2020 and increased operating and debt service expenses in 2021.
- Vail Water Fund \$3,591,248/+17.02% and \$1,420,206/-36.75% when including debt expenditures.
 - The decreases are primarily driven from decreased tap fee collections and an increase in operating and debt service expenses in 2021.





Amended Budget Expenditure Comparison

- Amended Budget Vs Actuals:
 - Wastewater Fund Total expenditures \$48,819,841/+\$16,655,941
 - Vail Water Fund Total expenditures \$9,314,566/+\$2,580,093
 - The primary driving factor for the difference from expenditure comparisons was derived from capital projects shifting to fiscal year 2021. Operating expenditures and Personnel Services expenditures have been comparative to prior years with modest increases due to organic growth of costs.



Balance Sheet & Income Statement Report

Balance Sheets are snapshots of the District's Assets, Liabilities and Equity Accounts at a point in time, whereas the Income Statement displays a current picture of revenues and expenses and overall profitability. In reviewing Balance Sheets & Income Statements, it is important to assess these to ascertain an overall valuation, ratio analysis and incremental changes in certain accounts from period to period.

Total Assets/Liabilities/Net Income:

- o Total Assets \$259,081,196/-\$8,432,474 (compared to Q4 2020 balances)
- o Total Liabilities- \$133,001,307/-\$281,481 (compared to Q4 2020 balances)
- o Total Net Income \$9,755,675

Ratio Analysis:

- ROA- 3.83%/+3.67%
- ROE 8.45%/+8.12%
- DE Ratio 1.16/+.01
- Working Capital \$47,724,273/-\$12,893,471
- Current Ratio 5.47/-1.68

EAGLE RIVER WATER AND SANITATION

For the Twelve Months Ending Friday, December 31, 2021

	2018	2019	2020	2021
	Actual	Actual	Actual	Actual
Assets:				
Current Assets:				
Cash and Investments	\$55,333,761	\$37,532,969	\$66,243,301	\$49,620,022
Construction Escrow				
Receivables, Net of Allowance for Uncollectables:				
Service Fees	2,502,797	3,332,271	3,348,604	3,432,523
Property Taxes	3,329,686	3,329,828	3,431,746	3,454,202
Current Portion Notes Receivable	27,559	29,166	4,413	22.722
Interest	145,442	70,161	36,782	20,732
Other	3,088,999	2,405,406	3,188,578	192,162
Inventory	491,180	640,515	880,936	880,936
Deposits	574,271	120,153	120,153	004.005
Prepaid Expenses	427,990	293,490	638,084	804,805
Total Current Assets	65,921,685	47,753,959	77,892,597	58,405,382
Non-Current Assets:				
Other Assets				
Notes Receivable	511,893	402,727	235,561	135,561
Patronage Dividend Receivable	517,849	546,702	530,886	537,160
Other Receivables	11,105	68,052	19,706	19,706
Investment in Eagle Park Reservoir Company	3,453,442	3,453,442	3,453,442	3,453,442
Total Other Assets	4,494,289	4,470,923	4,239,595	4,145,869
Capital Assets:				
Land & Easements	3,553,680	3,553,680	3,553,680	3,553,680
Water Rights	1,496,416	1,496,416	1,496,416	1,496,416
Construction in Progress	13,534,649	10,760,871	24,134,138	52,147,377
Treatment Plants	143,599,756	144,348,410	145,673,023	145,673,023
Distribution Systems	105,282,017	107,294,097	107,600,929	107,600,929
Computers, Equipment & Vehicles	12,138,064	12,729,720	13,599,148	13,599,148
Employee Housing	6,077,813	19,476,796	20,007,410	20,007,586
Less: Accumulated Depreciation	(128,561,823)	(137,918,348)	(147,548,214)	(147,548,214)
Total Capital Assets	157,120,572	161,741,642	168,516,530	196,529,945
Total Non-Current Assets	161,614,861	166,212,565	172,756,125	200,675,814
Total Hori Garretti / ISSES	101,014,001	100,212,000	112,100,120	200,010,014
Total Assets	227,536,546	213,966,524	250,648,722	259,081,196
Deferred Outflows of Resources:				
Deferred Charge on Refunding	1,281,063	1,176,948	1,093,203	1,093,203
Total Deferred Outflows of Resources	1,281,063	1,176,948	1,093,203	1,093,203
T. 1. 1. 0. D. (. 1. 0. III III	000 017 000	045440470	054744005	200 171 200
Total Assets & Deferred Outflows of Resources	228,817,609	215,143,472	251,741,925	260,174,399
Current Liabilities				
Accounts Payable	4,494,376	4,675,002	5,069,153	8,124,631
Service Fees Payable	2,238,260	1,642,158	1,851,475	1,931,962
Accrued Payroll & Related Liabilities Interest Payable	400,237 354,919	439,024 284,864	109,203 347,188	102,100 337,602
	16.556.869	2.921.059	3.535.476	25.000
Loans & Bonds Payable Deposits	50,958	48,093	50,095	159,814
Total Current Liabilities	24,095,619	10,010,200	10,962,590	10,681,109
Total Current Liabilities	24,033,613	10,010,200	10,362,330	10,661,103
Non-Current Liabilities:				
Compensated Absenses	474,297	459,234	615,215	615,215
Bonds and Loans Payable	84,412,879	85.260.777	121,704,983	121,704,983
Total Non-Current Liabilities	84,887,176	85,720,011	122,320,198	122,320,198
	,,		,,	
Total Liabilities	108,982,795	95,730,211	133,282,788	133,001,307
Deferred Inflows of Resources:				
Unavailable Property Tax Revenue	3,329,686	3,329,828	3,431,746	3,454,202
Total Deferred Inflows of Resources	3,329,686	3,329,828	3,431,746	3,454,202

EAGLE RIVER WATER AND SANITATION

For the Twelve Months Ending Friday, December 31, 2021

	2018	2019	2020	2021
	Actual	Actual	Actual	Actual
Net Position				
Retained Earnings	118.367.409	116,505,129	115,966,115	115,027,389
Profit (Loss)	286.370	(421,702)	(374,672)	9.755,675
Total Net Position	116,653,779	116,083,427	115,591,443	124,783,064
	-			0.000
TOTAL LIABILITIES AND EQUITY	225,636,574	211,813,638	248,874,231	257,784,371
Revenues:				
Operating Revenues:				
Service Fees	19.033.867	19.348.265	21,214,896	23,216,095
Contract Services	4,979,685	5,185,805	6,215,092	4,769,561
Meter Sales and Rentals	1,267,027	973,573	849,794	706,740
Other	650.012	678,720	581.686	436,274
Non-Operating Revenues:	13300		, , , , , , , , , , , , , , , , , , , ,	
Property Taxes	3,319,668	3,303,839	3,403,362	3,448,816
Specific Ownership Taxes	180,666	192,584	182,254	202,498
Investment Income	1,395,378	1,646,293	512,225	26,044
Other	(1,013,249)	67,529	204,783	119,268
Capital Contributions:				
Tap Fees	2,149,179	2,024,696	976,371	1,833,787
Contributed Assets	1,075,912	158,801		
Other	192,544	308,682		195,322
Total Revenues	33,230,689	33,888,787	34,140,463	34,954,403
Operating Expenses:				
Maintenance				
Salaries and Benefits	2,121,343	2,025,277	1,954,083	1,894,603
Supplies and Materials	403,143	359,248	458,718	946,401
Repairs Red Cliff Expenses	220.175	261,820	317,449	350,010
FH/Dam Maintenance				
Other	278,181	354,360	262,532	157,076
Depreciation	2,028,288	2,093,008	2,081,697	Listing
Total Maintenance	5,049,108	5,093,713	5,074,479	3,348,090
WATER OPERATIONS				
Salaries and Benefits	2,135,108	2,433,223	2,713,524	2,874,627
Supplies and Materials	97,266	117,109	247,747	181,507
Vail Water Operations	1,224,162	985,986	1,118,552	843,841
Total Water Operations	3,456,536	3,536,318	4,079,823	3,899,975
WASTEWATER TREATMENT				
Salaries and Benefits	1,407,735	1,513,066	1,454,557	1,595,564
Supplies and Materials	155,426	165,731	146,653	126,355
Repairs and Maintenance	410,751	390,526	247,285	202,303
Utilities	952,626	1,025,424	929,889	924,549
Permits	42,999	42,999	43,002	42,999
Miscellaneous	25,388	83,516	71,398	61,805
Depreciation	6,316,445	6,286,029	6,249,191	
Total Wastewater Treatment	9,311,370	9,507,291	9,141,975	2,953,575
LABORATORY	366.404	300 700	ESTA NAME	PATRICE NO. 10
Salaries and Benefits	417,702	448,373	481,834	513,660
Office Supplies and Materials	72,520	77,281	80,633	98,587
Outside Services	14,851	18,827	15,872	25,784
Other	12,457	13,031	3,914	4,234
Total Laboratory	517,530	557,512	582,253	642,265

EAGLE RIVER WATER AND SANITATION

For the Twelve Months Ending Friday, December 31, 2021

	2018	2019	2020	2021
2.61623.6	Actual	Actual	Actual	Actual
ENGINEERING				
Salaries and Benefits	1,219,060	1,503,587	1,558,481	1,553,47
Office Supplies and Mapping	34,161	24,614	9,221	20
Misoellaneous	47,315	51,960	34,892	40,00
Total Engineering	1,300,536	1,580,161	1,602,594	1,593,68
Employee Housing	482,046	485,487	265,372	260,57
Total Employee Housing	482,046	485,487	265,372	260,57
Total Operating Expenses	20,117,126	20,760,482	20,746,496	12,698,16
GENERAL AND ADMIN. EXPENSES				
Salaries and Benefits - Office	1.365.231	1.601.398	1.803.448	1.845.76
Salaries and Benefits - Accounting	632.469	686,141	742.351	708.08
Salaries and Benefits - Accounting Salaries and Benefits - Customer Service	922,956	829,949	954.703	497,91
Salaries and Benefits - IT	797.687	869.984	903.987	990.51
Benefit Administration	33.933	42.587	127.675	44.58
Office Supplies and Expense - Office	326.880	313.498	362.517	654.88
Office Supplies and Expense - Office Office Supplies and Expense - Accounting	68.809	49,227	45.228	41.10
Office Supplies and Expense - Accounting	720.779	911,170	1.092.429	1,127,56
Employee Rental & Repairs Expenses	720,778	811,170	1,082,428	1,127,50
Supplies and Materials - Customer Service	1,106,790	800,158	681,064	249.73
Directors' Fees and Expenses	1,100,780	000,100	001,004	248,73
Maintenance Contracts	85.219	92.473	236.834	284.87
Telephone and Radio Service	295.687	278.929	323,355	322.00
Insurance	249,600	248,190	287,902	318.37
		403,000	The second second	
Miscellaneous	373,878	479,112	492,103	546,41
Miscellaneous - Community Relations	44,927	33,778	41,885	16,75
Depreciation - Computer and Office Equipment	871,303	1,143,156	1,327,928	100.10
Professional - Legal	200,351	211,877	163,353	152,46
Professional - Accounting and Auditing	38,588	41,182	48,520	44,19
Professional - Engineering	7,501	4,739	13,396	
Professional - Management and Consulting	422,556	379,192	246,861	183,34
Water Quality	409,983	367,190	333,802	300,02
Total Administrative	8,975,125	9,363,928	10,229,341	8,328,59
Non-Opertaing Expenses:				
Interest Expense - Net of Amortization Expense	3,752,288	3,925,629	3,437,116	4,088,41
Treasurer's Fees & Paying Agent Fees	99,780	99,238	102,182	103,55
Bond Issuance Costs		161,212		
Total Nonoperating Expenses	3,852,068	4,186,079	3,539,298	4,171,97
Total Profit (Loss)	286,370	(421,702)	(374,672)	9,755,67
A STATE OF THE STA	1			

Housing Comparison Summary

Total Assets/Liabilities/Net Position:

- o Total Assets \$18,708,223
- o Total Liabilities -\$52,362
- o Total Net Position \$105,934
 - Net position positive for the first time in 4 years.

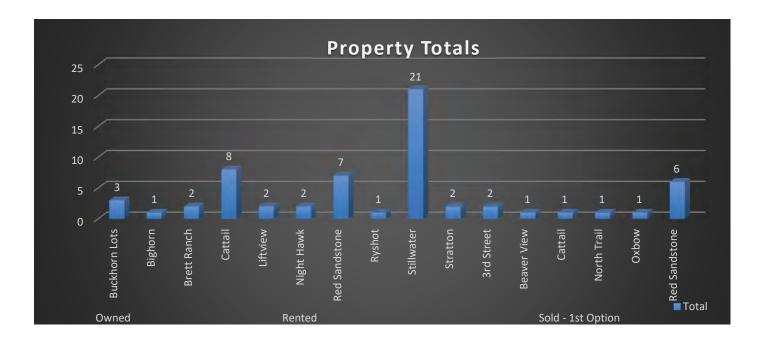
Net Income:

 In assessing net income for a program such as this, it is important to investigate all the program expenses. Operationally and non-operational expenses are included in this program. Total operating net income - \$298,923/+\$50,530

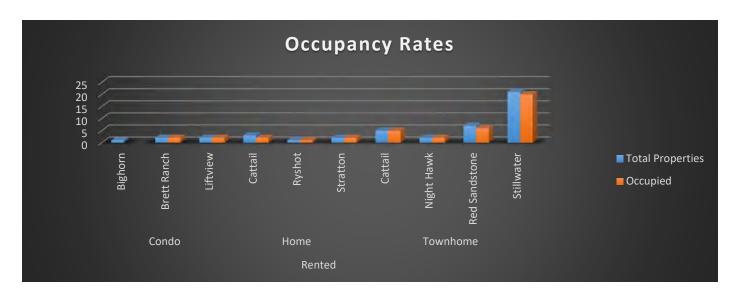
Housing Summary EAGLE RIVER WATER AND SANITATION For the Twelve Months Ending Friday, December 31, 2021

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Assets:	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual
Current Assets: Cash and Investments (Security Deposits)					1,000	5,300	12,100	13,100	26,300	\$20,700	\$19,200
Deposits Total Current Assets	O.				1,000	5,300	12,100	574,271 587,371	120,153 146,453	120,153 140,853	19,200
Total Current Assets	_				1,000	3,300	12,100	301,311	140,433	140,633	15,200
Non-Current Assets: Other Assets		SOLUTION	Carre	- Lider	tactte	Lance Co.		mais	rictio	const	
Notes Receivable Total Other Assets	-	386,255 386,255	386,255 386,255	402,038 402,038	427,305 427,305	343,985 343,985	443,985 443,985	416,495	366,495 366,495	226,735 226,735	126,735 126,735
Total Other Assets	-	300,233	300,233	402,036	421,303	343,363	443,363	410,433	300,433	220,133	120,733
Capital Assets:											
Construction in Progress	275,653	275,653	275,653	275,653	376,536	418,399	1,051,293	8,927,854	286,704	287,095	788,608
Employee Housing Less: Accumulated Depreciation	5,353,858	7,781,035 (803,471)	7,806,255	7,773,833	7,324,074	7,379,471 (1,363,093)	7,431,996	6,077,813	19,476,796	20,007,410	
Total Capital Assets	4,956,388	7,253,217	7,083,597	6,958,468	6,492,904	6,434,777	6,929,153	13,667,742		18,060,600	() and an and a second
Total Non-Current Assets	4,956,388	7,639,472	7,469,852	7,360,506	6,920,209	6,778,762	7,373,138	14,084,237			18,689,023
	4,000,000	1,000,412	1,400,002	1,000,000	0,020,200	0,110,102	1,010,100	14,004,201	10,441,400	10,201,000	10,000,020
Total Assets	4,956,388	7,639,472	7,469,852	7,360,506	6,921,209	6,784,062	7,385,238	14,671,608	18,587,936	18,428,188	18,708,223
iabilities:											
Current Liabilities:	25.745	122324	45.25	2.5	2007	22.20	6.40	22,000		2.73	24367
Deposits	22,274	26,454	26,264	29,340	27,540	30,560	33,315	30,635	30,785	32,787	52,382
Total Current Liabilities	22,274	26,454	26,264	29,340	27,540	30,560	33,315	30,635	30,785	32,787	52,362
Total Liabilities	22,274	26,454	26,264	29,340	27,540	30,560	33,315	30,635	30,785	32,787	52,362
et Position:											
Retained Earnings	822,165	1,146,659	1,313,193	1,471,534	1,147,868	1,354,034	1,336,607	(11,375)	(196,570)	(192,989)	105,934
Total Net Position					1.00						
OTAL LIABILITIES AND EQUITY	844,439	1,173,113	1,339,457	1,500,874	1,175,408	1,384,594	1,369,922	19,260	(165,785)	(160,202)	158,296
evenues:											
Operating Revenues:											
Rental Income	305,311	318,443	284,878	271,384	291,903	300,885	417,752	439,532	474,952	498,906	637,285
Total Operating Revenues	305,311	318,443	284,878	271,364	291,903	300,885	417,752	439,532	474,952	498,906	637,285
Non-Operating Revenues:											
Investment Income		110.15		2,548	11,050			66,389	496	11,210	10,391
Other	_	130,297		10,542	(444,739)	66,378	(13,142)	(1,156,059	87	44.040	40.004
Total Non-Operating Revenues	-	130,297		13,090	(433,689)	66,378	(13,142)	(1,089,670)	583	11,210	10,391
Total Revenues	305,311	448,740	284,878	284,454	(141,786)	367,263	404,610	(650,138)	475,535	510,116	647,676
xpenses:											
Operating Expenses											
Dues & Utilities	70,606	70,805	72,814	76,470	76,300	95,189	77,978	81,772	97,201	157,564	105,296
Property Management Maintenance	22.240	E2 010	42.000	4E E40	102 000	90 400	04.000	100 500	5,600	22,080	
Other	23,240	52,810	43,030	45,542 1,500	103,080	63,408	81,009	132,526	76,542	80,678 1,421	3,990
Total Operating Expenses	93,846	124,246	115,844	123,512	179,380	158,597	158,987	214,298	179,343	261,723	348,753
Von-Operating Expenses:	-		12071	Lat Car	- 154	7,575	Action	25.545	0.555	166	
EHOP			2,500	2,601	2,500	2,500	1,500	1,500	1,500	1,500	1,500
Stipend Master Learne							80,445	246,365	274,458	240,163	248,100
Master Leases Total Non-Operating Expenses	-		2.500	2,601	2.500	2.500	181,105 263,050	235,681 483,546	481,387	3,149 244,812	249,600
Total Expenses	93.846	124,246	118,344	126,113	181,880	161,097	422,037	697,844	660,730	506,535	598,353
						_/_3/			7.5		
otal Operating Net Income (Loss)	211,465	324,494	169,034	160,942	(321,166)	208,666	245,623	(864,436)	296,192	248,393	298,923
otal Program Net Income (Loss)	211,465	324,494	166,534	158,341	(323,666)	206,166	(17,427)	(1,347,982	(185,195)	3,581	49,323

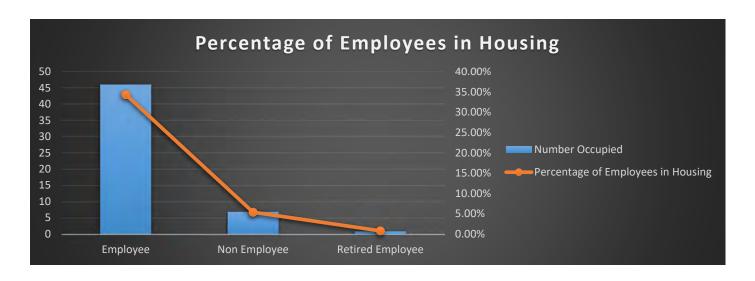
The District owns a total of 61 properties, which includes a variety of single-family homes, condos, and vacant lots. Of the total 61 properties, 46 are rented and 12 have been sold where the District has the first right of refusal in a future sale.



Of the total 46 rented properties, 42 are occupied as of December 31, 2021.



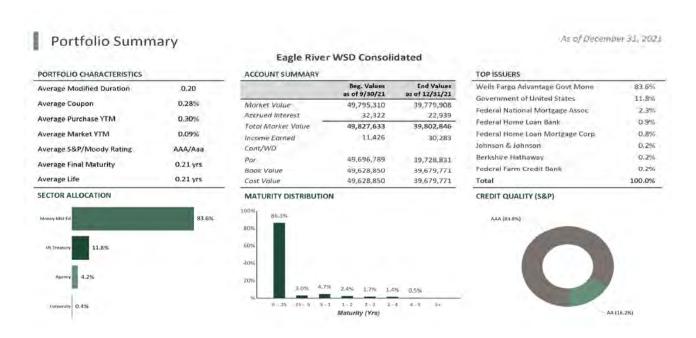
In assessing our Housing Program's value to our employees an analysis of total employees in District properties is warranted. As of December 31, 2021, the District housed 40.46% of the total employee base in District owned properties.



To accurately assess our housing properties and their ability to generate net income, the below chart shows the net income by location.

Location	Ţ	Expense	Revenue	Net Income
Big Horn		\$8,576.54	(\$16,288.00)	(\$7,711.46)
Buckhorn Lots	5	\$1,378.08		\$1,378.08
Cattail		\$31,815.62	(\$91,495.92)	(\$59,680.30)
Crazy Horse		\$13,423.61	(\$53,893.66)	(\$40,470.05)
Liftview		\$8,376.53	(\$16,664.00)	(\$8,287.47)
Nighthawk		\$21,765.47	(\$23,766.00)	(\$2,000.53)
Red Sandston	е	\$59,980.96	(\$79,957.79)	(\$19,976.83)
Ryshot		\$9,819.64	(\$19,735.00)	(\$9,915.36)
Stillwater		\$158,211.31	(\$323,111.04)	(\$164,899.73)
Stratton Flats		\$17,389.04	(\$21,511.00)	(\$4,121.96)
Net Income		\$330,736.80	(\$646,422.41)	(\$315,685.61)

Investment Portfolio







OPERATIONS MONTHLY REPORT January 2022

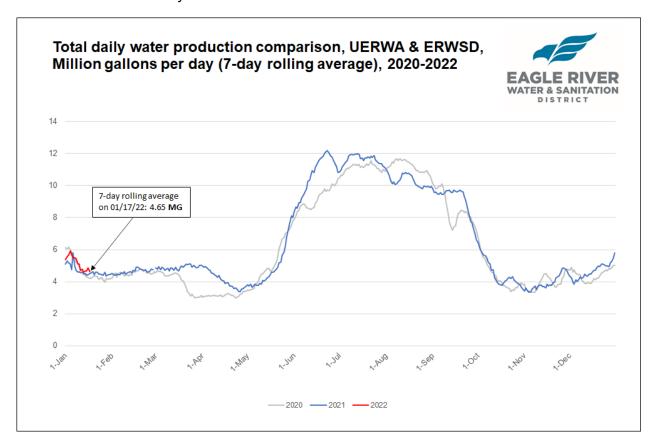
LOCAL NEWS

No updates.

WATER

Brad Zachman

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



The 2021 annual regulatory compliance sampling and reporting has been completed for all water programs.

Water operations staff has started preparations for the District's Colorado Department of Public Health and Environment (CDPHE) Sanitary Survey. The Sanitary Survey is expected to occur in late-summer 2022.

Responses to the District's Request for Qualifications (RFQ) for the Water Production and Treatment Facilities Masterplan project are due Jan 20. The overarching goal of this project is to develop a system-wide master improvement plan for the District's and Authority's treatment and production facilities. The primary deliverable of the project will be a detailed year-by-year infrastructure capital improvement schedule that will be used for future capital planning and budgeting.

The final dose adjustment to the orthophosphate chemical feeds were made across the system in December. The feed systems are now off. The orthophosphate feeds were discontinued based on the findings of the optimal corrosion control treatment (OCCT) study, which indicated that the addition of orthophosphate at previous doses provided negligible lead and copper corrosion control benefits. The Authority's and District's CDPHE Monitoring Plans have been updated to reflect the discontinuation of the orthophosphate chemical feeds.

Vail groundwater wells R4 and R6 are currently out of service for motor replacements. Water operations staff is coordinating the repair work, which will require pulling the pumps and motors with a large crane truck.

Water Operations staff members continue to support a variety of Capital Improvements Projects (CIPs) including disinfection, filling, and testing the new Traer Water Storage Tank and commissioning of the newly reconstructed Fenno (Cordillera) groundwater treatment facility.

Seasonal water releases are occurring at Eagle Park Reservoir and Black Lakes.

LABORATORY & WATER QUALITY

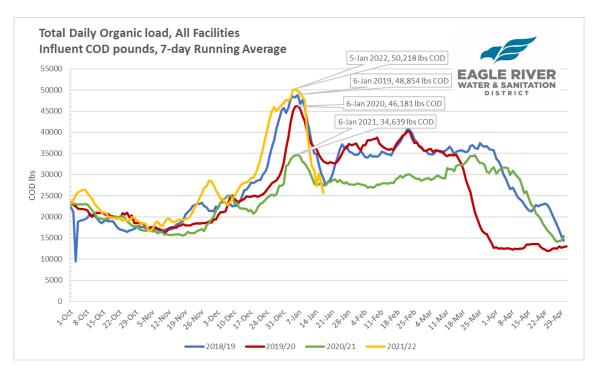
Leah Cribari & Siri Roman

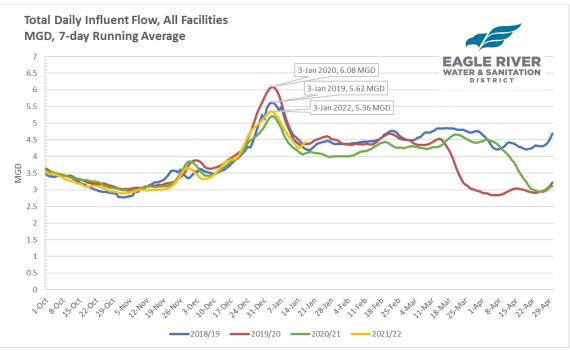
2020 Macroinvertebrate scores are available for Gore Creek, Black Gore Creek, Red Sandstone, and Eagle River. A separate memo detailing the results are in the Board packet.

WASTEWATER

Rob Ringle

The holiday season typically represents the peak of organic loading for all three wastewater (WW) facilities. The 2021-22 peak seven-day average load (cumulative across the facilities) of 50,200 pounds Carbonaceous Oxygen Demand (COD) exceeded the respective peaks of recent past seasons, including the 48,800 pound COD peak observed in the 2018-19 season. Total influent flow increased in proportion to past years but did not significantly exceed those respective past values.





Staff have worked hard to adapt to the rapidly changing flows and loading and have also tackled several urgent equipment repair projects. Waste pump rebuilds were completed at both Vail WW and Avon WW. Edwards WW staff tackled a major overhaul of one of the centrifuge units that is used for dewatering biosolids.



Rotating components of the Edwards WW west centrifuge unit were removed, and bearings were replaced.

Avon WW staff are preparing for conversion to the Aeration Basin 2 secondary process, as planned for Jan. 19. This represents a major milestone of the Nutrient Upgrade Project and the start of operation with the new Anaerobic-Anoxic-Aerobic (A2O) biological treatment process. Process flow paths will be altered to remove the existing Aeration Basin 1 train from service. Staff have contributed significant effort in planning and preparation for this conversion. Major improvements will begin in the existing volume area of this basin following dewatering.



Avon WW aeration basin #2 sub-basin F, prepared for service.

WW department leadership drafted and submitted several reports to CDPHE in December to fulfill requirements of respective WW facility permits. For Vail WW, a progress report was submitted documenting efforts towards attaining compliance with future effluent temperature limits. Such limits are presently planned to take effect in 2026 and will affect the months of October and November. For Avon WW, a progress report was submitted to document achievement of Nutrient

Upgrade Project milestones and other efforts towards attainment of Regulation 85 effluent limitations for nutrients, as required in 2024. Respective to all three facilities, a plan was submitted to document efforts in reduction of inflow and infiltration (I/I) and indicate plans for further reductions over the next four years. This is a blanket requirement that has appeared in many recently renewed municipal wastewater permits across the state. These reports have not been included in the board packet in interest of brevity, but they can be provided upon request.

FIELD OPERATIONS

Niko Nemcanin

With almost 2,000 hydrants in the system, the Field Operations crew is busy removing snow to ensure that hydrants are accessible. Each year, staff reaches out to local fire departments and the community requesting help with this effort.

During winter months, the team is focused on evaluating equipment and inventory needs, training and developing staff, evaluating the 2021 season maintenance metrics, and commercial driving license training.

UTILITY SERVICES

Shane Swartwout

A Backflow Prevention and Cross Connection Control (BPCCC) update is included in a separate memo.

ENGINEERING

Jeff Schneider

WATER PROJECTS

Radio Telemetry Unit (RTU) System Upgrades

Carter Keller

General Project Scope: This project is a systematic approach to install standardized communication equipment to increase the reliability of the telemetry system throughout the distribution system (82 sites) and develop a standard (i.e., non-proprietary) telemetry platform to allow competitive pricing for upgrades, replacement, and system maintenance. Implementation is anticipated over a three-year period with a highly detailed sequence and schedule to limit distribution system disruptions.

<u>Project Update:</u> Authority Phase 2 commissioning has been completed on schedule, and Phase 2 final closeout is underway. Phase 3 contracts have been approved for the 2022 work and the contracting process is in its final stages. Submittals, procuring equipment, and building the RTU panels will continue through Q1 with Factory Acceptance Testing (FAT) to follow.

Traer Creek Water Storage Tank

Mark Mantua

Page 6 of 21

<u>General Project Scope:</u> This project consists of the replacement of the Traer Creek Water Storage Tank. In addition to the tank replacement, the scope includes piping, appurtenances, and selective replacement of identified equipment including the RTUs and control cabinets.

<u>Project Update</u>: DN Tanks and their subcontractors have completed yard piping, overflow piping, hatches, and vent installation. Pressure testing of yard piping was completed to District standards on Jan. 10. Electrical improvements and telemetry installation are underway. Concrete issues on the dome roof have been identified and the contractor, engineer, and District staff are working collaboratively on a solution, which will be implemented once temperatures allow for overnight curing of patching materials. We anticipate filling the tank for hydrostatic testing on Jan. 24. Once the tank is hydrostatically tested, dome roof repair and telemetry improvements will be completed before the tank is operational. This project is under budget and on track to be substantially complete in early spring 2022.

Avon Drinking Water Facility (ADWF) PLC Upgrades

Jenna Beairsto

<u>General Project Scope:</u> This project includes replacement of two of the programmable logic controllers (PLCs) at ADWF. Additionally, a new server room will be constructed within the facility. All programming and PLC logic will be reverse engineered to determine required updates and improvements associated with the modification and replacement of the existing PLCs.

<u>Project Update:</u> Stantec was selected to design and assist with solicitation and bid review for a hard bid project delivery. Stantec provided the 99% design documents to the project team including the control philosophies for all systems at the plant. Stantec's head designer spent a day onsite at ADWF with staff to get a better understanding of plant operations. Per the project schedule, bidding is expected in early 2022.

Edwards Spur Road Phase 2 Water Main

Mark Mantua

General Project Scope: The Edwards Spur Road Phase 2 consists of two projects. The first is installation of 1,700 linear feet of water main that was installed in conjunction with the CDOT Edwards Spur Road project. The second is installation of a water main that will run parallel and under the railroad tracks to connect the Edwards Drinking Water Facility to the water main that was previously installed during the 2019 Spur Road project and to a main near Miller Ranch Road. The project will alleviate hydraulic issues in the Edwards low pressure zone.

<u>Project Update</u>: The project is in winter shutdown and an update will be provided once work resumes.

Fenno Wellhouse and Raw Water Conveyance

Jeffrey Schneider

<u>General Project Scope</u>: The project consists of complete replacement of a small treatment facility in Cordillera that treats water from seven groundwater wells and pumps into the distribution system. The previous facility did not meet electrical code, had some safety concerns, and was

Page 7 of 21

generally at the end of its useful life. Improvements to the wells and raw water piping are also included in this project.

<u>Project Update</u>: Electrical equipment delays have pushed the project schedule into late February/early March. The variable frequency drives (VFDs) are being configured and are scheduled for delivery and installation to the site on Jan. 31. We recently received word that supply chain issues have pushed the delivery of the main distribution panel (MDP) components to early March. The contractor is working on workarounds to perform system testing prior to MDP arrival. Electrical installation and coatings are underway, along with small punchlist work by the general contractor. System startup will likely be pushed to March 2022.

The project also includes work at each of the seven groundwater wells feeding the wellhouse. Staff has prepared correspondence and easement documentation for accessing the wells for inspection and design and intend to begin coordination with Cordillera Metro District and affected nearby homeowners.

Water Production and Treatment Masterplan

Jenna Beairsto

General Project Scope: This project was first approved in the capital budget in 2018 but has been deferred due to staffing and competing priorities. The masterplan will be a wholistic look at all production and treatment facilities system-wide including treatment plants and wells. The goal is to do a thorough risk-based analysis and provide a roadmap for future capital project implementation in light of threats from climate change, low stream flows, wildfires, etc. along with a detailed condition assessment of existing assets.

<u>Project Update:</u> The request for qualifications (RFQ) was issued on Dec. 16. The team has issued three addenda as part of the RFQ process. Statements of Qualification (SOQ) from firms are due back on Jan. 20. An internal team will review and grade the proposals and set up a shortlist of firms for interviews beginning the week of Feb. 7. Firm selection is anticipated by Feb. 24.

WASTEWATER PROJECTS

Avon Wastewater Treatment Facility (AWWTF) Nutrient Upgrades

Melissa Marts

<u>General Project Scope</u>: The Avon WWTF 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 the following: addition of 0.6 million gallons of aeration basin capacity; a new secondary clarifier; structural modifications to the existing aeration basins to remove the existing double-tees and replace with a building structure; 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 other process areas throughout the facility.

<u>Project Update</u>: The project team is working toward the largest start-up of the project on Jan. 19. The modified Aeration Basin 2 will be placed into service and commissioned along with three new blowers, diffuser system, mixers and sump pumps. After commissioning on Aeration Basin 2, work

Page 8 of 21

to remove the soil and double tees from Aeration Basin 1 will begin. Work continues to progress on the new secondary clarifier and site utilities. The project on schedule for completion before January 2023.

Dowd Junction Collection System Improvements

Jenna Beairsto

<u>General Project Scope:</u> The project consists of four major components, all of which are at the end of their useful lives: 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 project will also include capacity for growth in its respective service areas, most notably the Minturn area improvements.

<u>Project Update</u>: West Vail Interceptor Aerial Crossing: Ductile iron pipe was delivered as is being stored at the Contractor's storage yard offsite. The first segment of the bridge has been fabricated and the second segment is currently being fabricated at Wheeler's facility. Remaining materials are scheduled to be delivered in March 2022, at which time the contractor will return to the site to complete the project. We are renegotiating the contract completion dates based on global supply chain issues beyond control of the contractor.

Lift Station Replacement: HDR will submit the Issued for Bid (IFB) set of drawings to the District the week of Jan. 17. The Team met with HDR to discuss the control scheme for the new lift station. The Lift Station Design Package will be combined with the Force Main and ECO Trails designs for a combined project. The project will be put out to bid in mid-February.

Force Main Design: Murraysmith has submitted the 95% review set of contract documents. District staff continue discussions with Eagle County ECO Trails to partner for the trail and force main construction through the US 6/24 corridor. Coordination is ongoing for the lift station and force main tie-in details.

Avon Lab Improvements

Melissa Marts

<u>General Project Scope</u>: A new Inductively Coupled Plasma Mass Spectrometer (ICP-MS) purchased by the District will be installed in the lab. This will provide improved analytical capability to our internal and external customers. This device enables District staff to perform in-house metals analyses that are normally outsourced. Lab and architectural modifications will be constructed, including a new gas cabinet, duct chase, and fume hood. During design, the makeup air unit (MAU) serving the lab was identified to be at the end of its useful life; the HVAC system for the lab and lab offices will also be replaced.

<u>Project Update:</u> No bids were received for this project after a well-attended mandatory pre-bid meeting. After consultation with our legal team, a proposal for this work has been requested from Moltz Construction. Moltz is finalizing their proposal for the work but has already requested submittals for the HVAC equipment to help with the long lead time of this equipment. Contingent upon successful negotiation, work is anticipated to be underway in the summer of 2022.

Vail Wastewater Treatment Facility (VWWTF) Master Plan Improvements

Melissa Marts

General Project Scope: A condition assessment of the Vail WWTF conducted as part of the 2017 Master Plan identified various upgrades required to keep the facility in reliable and operable condition. The scope includes a new, larger diesel generator and associated electrical, 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.

<u>Project Update:</u> Black and Veatch is underway with developing the 30% design deliverables which will be used to solicit a construction manager at risk (CMAR) contractor. The project team is currently developing CMAR solicitation documents which are expected to be issued Jan. 28. Due to the long lead time of equipment, construction is anticipated in fall 2022 and continuing throughout 2023.

GENERAL CAPITAL

Vail Office Remodel Jenna Beairsto

General Project Scope: The project will provide a safe and secure singular entry point for facility visitors by reconfiguring the vestibule entrance. The scope also includes reconfiguring and reorganizing of the Vail Administration Office. Most of the construction will be concentrated on the south half of the first floor; however, reorganization will occur building wide. In addition to the front entrance, the project will provide improved ADA access to the building. Several departments will shift within the lower level to allow for additional office and meeting space. The project includes cubicle and office furniture purchase and replacement for some of the improved areas.

<u>Project Update</u>: Demolition is underway for the project. Departments have been temporary relocated out of the work zone. Furniture was donated, sold, and otherwise diverted from the landfill as much as possible. Remaining items are being removed from the facility in preparation for General Contractor mobilization and demolition the week of Jan. 17. Parking at the Vail Facility will be updated to allow for contractor staging and access. The Contractor has submitted long lead time items to the architect and engineer for review.

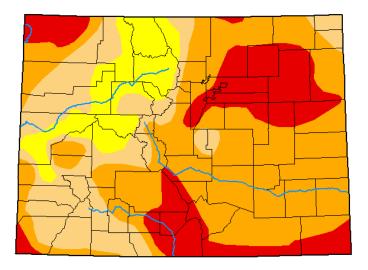
WATER RESOURCES

Len Wright

The latest Drought Monitor shows Colorado entirely out of category "D4-Exceptional Drought", as shown below in Figure 1. Eagle County has significantly improved in recent months, with western Eagle County in "D0-Abnormally Dry" and Southern and Eastern portions of Eagle County in "D1-Moderate Drought", as shown below in Figure 2.

Figure 1. Colorado Drought Monitor, Jan. 11, 2022. (https://droughtmonitor.unl.edu/CurrentMap/StateDroughtMonitor.aspx?CO).

U.S. Drought Monitor
Colorado



January 11, 2022 (Released Thursday, Jan. 13, 2022) Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Сиптепт	0.00	100.00	88.32	65.93	20.59	0.00
Last Week 01-04-2022	0.00	100.00	95.49	67.08	22.25	0.00
3 Month's Ago 10-12-2021	5.26	94.74	65.99	29.29	13.63	1.95
Start of Calendar Year 01-04-2022	0.00	100.00	95.49	67.08	22.25	0.00
Start of Water Year 09-28-2021	12.72	87.28	46.42	26.30	15.05	3.91
One Year Ago 01-12-2021	0.00	100.00	100.00	91.03	73.63	27.59

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The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to https://droughtmonitor.unl.edu/About.aspx

<u>Author:</u>

Richard Tinker
CPC/NOAA/NWS/NCEP



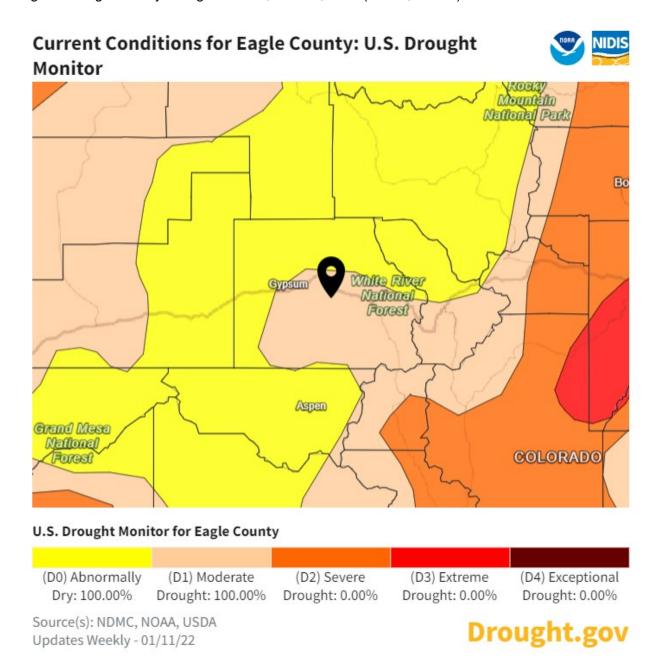






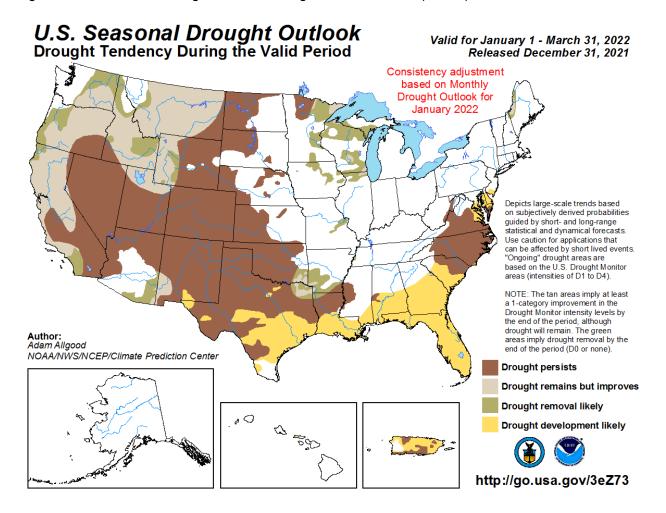
droughtmonitor.unl.edu

Figure 2. Eagle County Drought Monitor, Jan. 11, 2022 (NOAA, NIIDIS).



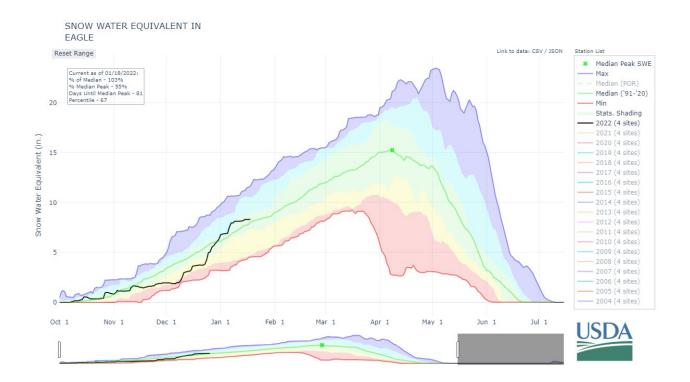
The seasonal drought outlook is not expected to change for Colorado through March 2022. This is largely because the La Niña conditions show a likelihood of average precipitation and temperature for the remainder of the winter.

Figure 3. US Seasonal Drought Outlook through March 31, 2022 (NOAA).



Snowpack is hovering near average for all local Eagle River SNOTEL sites as well as Copper Mountain. The four Eagle River Basin SNOTEL sites are shown in Figure 4, at 103% of the 1991-2020 median value for Jan. 18, 2022. Total cumulative precipitation for Water Year 2022 is shown in Figure 5 for the same four stations, at 105% of the 1991-2020 median. The five individual local SNOTEL stations are shown in Figures 6-10, showing a range of 85% of normal at Beaver Creek to 113% of normal at Fremont Pass.

Figure 4. Eagle River Basin SNOTEL stations, Jan. 18, 2022 (Beaver Creek, McCoy Park, Fremont Pass, Vail Mountain).



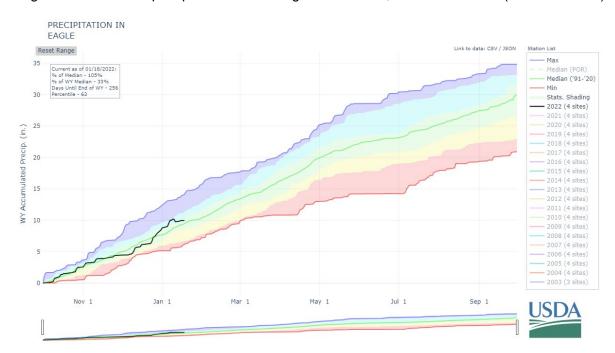


Figure 5. Cumulative precipitation for the Eagle River Basin, Water Year 2022 (NOAA/CBRFC).

Figure 6. Snow Water Equivalent, Beaver Creek Village SNOTEL, Jan. 18, 2022 (USDA).

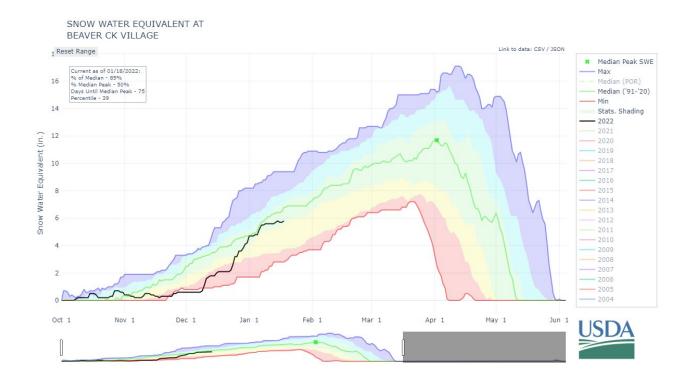


Figure 7. Snow Water Equivalent, McCoy Park SNOTEL, Jan. 18, 2022 (USDA).

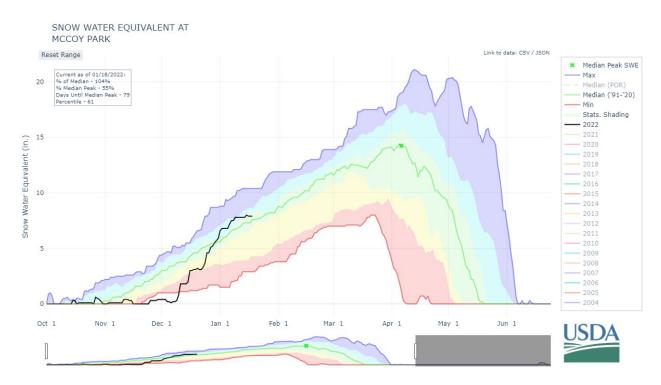


Figure 8. Snow Water Equivalent, Fremont Pass SNOTEL, Jan. 18, 2022 (USDA).

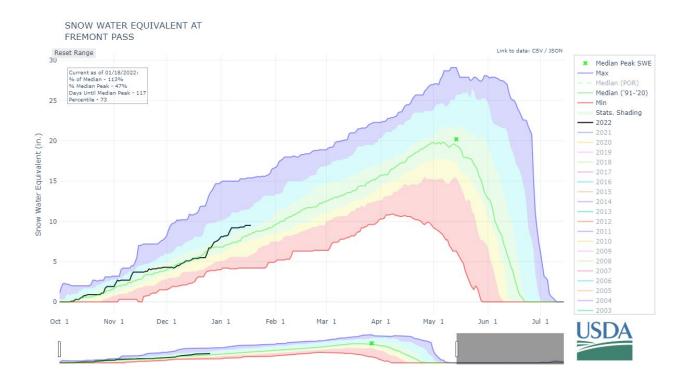


Figure 9. Snow Water Equivalent, Copper Mountain SNOTEL, Jan. 18, 2022 (USDA).

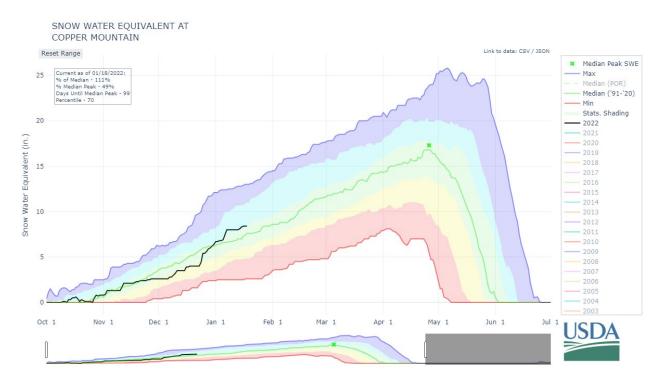
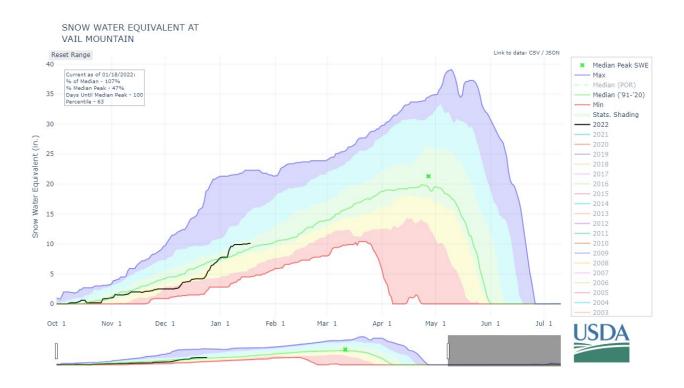


Figure 10. Snow Water Equivalent, Vail Mountain SNOTEL, Jan. 18, 2022 (USDA).



Streamflows remain low, even for the typically low-flow winter season. Largely due to recent past of higher than normal temperatures and low precipitation, baseflows across the region remain low. Stream hydrographs plotted from the USGS gages on Gore Creek above Red Sandstone Creek and the Eagle River at Avon are shown below in Figures 11 and 12.

Figure 11. Streamflow for Water Year-to-Date 2022, Gore Creek (CBRFC).

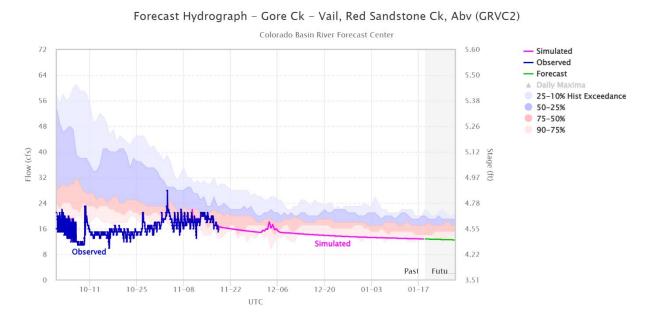
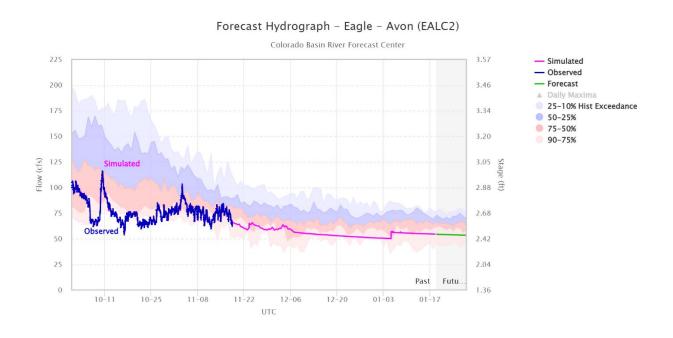


Figure 12. Streamflow for Water Year-to-Date 2022, Eagle River at Avon (CBRFC).



ERWSD and UERWA storage accounts are shown in Table 1 as of Jan. 1, 2022. Overall District and Authority accounts combined are at 85% full. District accounts are at 81.6% and Authority accounts are 88.7% full.

Table 1. ERWSD and UERWA Storage accounts as of Jan. 1, 2022 (Helton and Williamsen).

Reservoir	ERWSD		UEF	RWA	TOTAL	
Green						
Mountain	567.4	61%	447.5	82%	1014.9	68%
Black						
Lakes	388.8	91%	300.0	100%	388.8	91%
Eagle Park	430.4	99%	676.9	99%	1107.3	99%
Homestake						
Res	164.2	66%	66.3	26%	230.5	46%
Wolford						
Mtn	500.0	100%	631.6	89%	1131.6	93%

Eagle Park Reservoir contents compared with recent past years of interest is given below in Figure 13. The high storage value seen for the current year is well above average, reflecting the use of Homestake Reservoir accounts to meet downstream obligations this water year. If snowpack remains normal, or even dips below normal, it is highly likely that Eagle Park Reservoir will fill in 2022 runoff. If Homestake Reservoir accounts had not been used, Eagle Park storage would be much less, closer to the average condition for this time of year. This graph highlights the importance and value of strategically using the Homestake Accounts to preserve and firm other storage accounts.

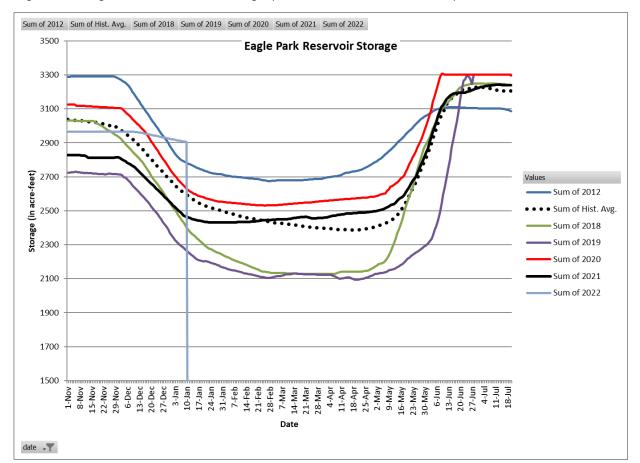


Figure 13. Eagle Park Reservoir Storage (Helton and Williamsen, 2022).

Regionally, snowpack has followed suit and is at or above average. While Lake Powell is at historically low storage conditions, current projections by the US Bureau of Reclamation indicate is it unlikely to drop below the power pool elevation over the next 24 months. The current modeled level projection is shown below in Figure 14.

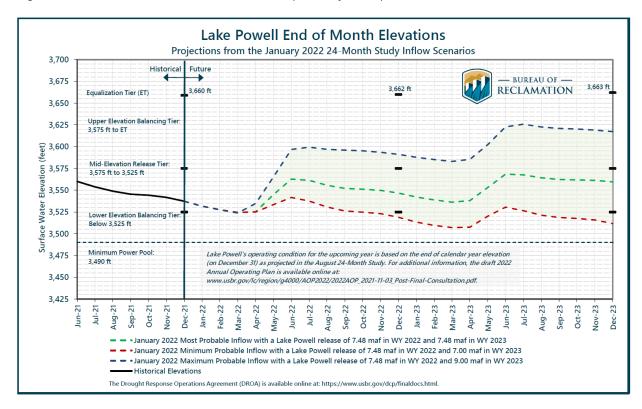


Figure 14. USBR Predicted Water Elevation (January 2022).

Current long-range forecasts from the National Weather Service show average conditions are expected for the next three months. Current maps are shown in Figures 15 and 16.

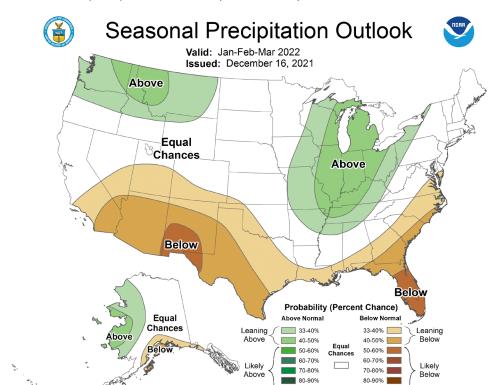
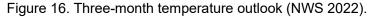
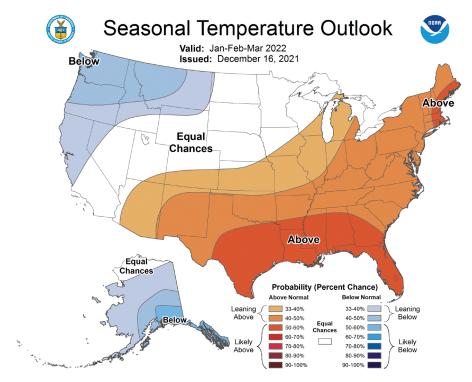


Figure 15. Three-month precipitation outlook (NOAA 2022).









MEMORANDUM

TO: Board of Directors

FROM: Shane Swartwout, Utility Services Manager

DATE: January 19, 2022

RE: Backflow Prevention and Cross Connection Control - 2021 Program

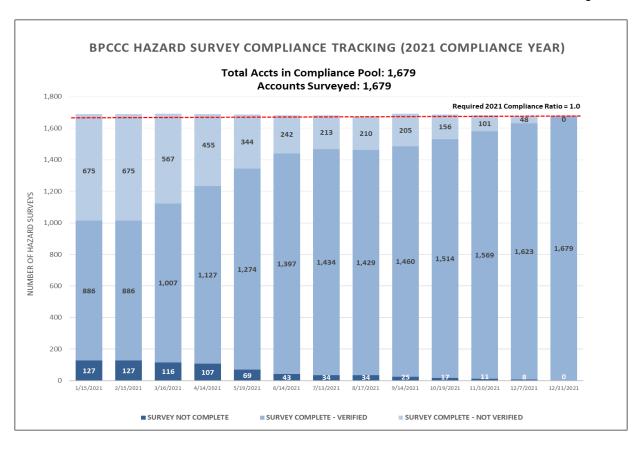
Compliance

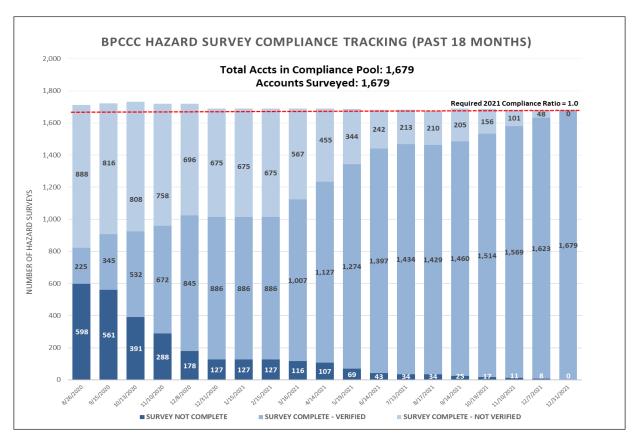
The purpose of this memo is to notify the board that staff has successfully met all Colorado Department of Public Health and Environment (CDPHE) backflow prevention and cross connection control (BPCCC) requirements and reached compliance with Colorado Primary Drinking Water Regulation 11.39 for the 2021 compliance year.

Calendar year 2021 was the final year of a CDPHE five-year escalating compliance schedule for hazard surveys and backflow prevention device annual testing. The Utility Services department was able to meet the required survey compliance ratio of 1.0 (100%) and exceed the required annual testing compliance ratio of .90 (90%) for both the District and the Authority. The Water Department was able to meet all BPCCC requirements for both the District's and Authority's waterworks sites.

2021 - Survey Compliance Highlights

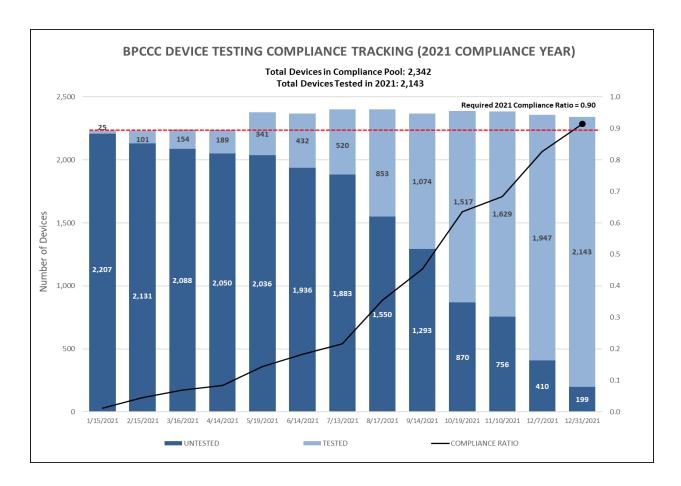
- 100% of the 1,679 compliance accounts have been surveyed by onsite inspection.
 - o 648 District compliance accounts were surveyed by Dec 22, 2021.
 - 1,031 Authority compliance accounts were surveyed by July 1, 2021(in preparation for the CDPHE Sanitary Survey).
- Approximately 70% of the compliance accounts needed corrective actions; over 50% of those accounts have been corrected.
- Staff created and mailed over 1,200 Survey Results letters to accounts that required corrective actions.
- A majority of the 1,200 accounts received multiple notification letters, fine notices, follow-up phone calls, and onsite consultations and final inspections.
- All uncontrolled cross connections were controlled within 120 days and no CDPHE extension were requested to date.





2021 - Device Testing Compliance Highlights

- An annual device testing compliance ratio of 0.92 (92%) was achieved in the District.
- An annual device testing compliance ratio of 0.91 (91%) was achieved in the Authority.
- Staff created and mailed over 1,500 reminder letters to customers for device testing.
- All devices that failed testing were repaired or replaced within 120 days of the failed test and no CDPHE extension were requested to date.



2021 - Program Development Highlights

- Staff created the ERWSD written BPCCC program document. This clearly outlines all procedures and duties associated with the implementation of the 2021 BPCCC program to meet the requirements of Regulation 11, section 11.39(2)(a).
- Utility Services Department held an onsite workshop with several local landscaping companies and certified backflow testers.
- Staff upgraded all construction meter backflow prevention devices with new single-unit
 meter and reduced pressure (RP) backflow assemblies. This provides the highest level
 of protection for our fire hydrants against construction site hazards and ensures accurate
 water metering.
- Created workflow processes and SOPs for every area of the BPCCC program:

- Onsite Hazard Surveys
- Survey Results and Corrective Actions Tracking
- Device Testing Tracking
- Test Report Processing
- o Tester Certification Verification
- Fines and Penalties for BPCCC noncompliance Tracking
- Completed a comprehensive audit of all 1,075 Authority compliance accounts prior to the August 18, CDPHE Sanitary Survey.
- BPCCC staff tested over 100 devices at the end of the year to help reach our device testing compliance ratio requirement.

As shown above, staff has made significant enhancements to the BPCCC program and was successful in reaching compliance in 2021. The entire team is extremely busy with the ongoing development of the BPCCC program to meet changing requirements and ensure regulatory compliance in 2022.



MEMORANDUM

TO: District and Authority Board Members

FROM: Leah Cribari, Laboratory and Regulatory Compliance Supervisor

DATE: January 19, 2022

RE: 2020 Macroinvertebrate Sampling Results

Background:

Benthic macroinvertebrate community characteristics are commonly used as biological indicators of water quality and stream health conditions. Most macroinvertebrate taxa have relatively long aquatic life stages, limited mobility, and specific adaptations to the environment that make certain taxa sensitive to different types of stress from pollutants or habitat disturbance. In 2010, the Colorado Water Quality Control Commission (WQCC) adopted Policy Statement 2010-1. This Policy Statement details the methodology for using macroinvertebrate population metrics for assessment of aquatic life use attainment in streams and rivers. This methodology is based upon a multi-metric index (MMI) score for determining whether or not a stream is in attainment of the aquatic life use. In 2012, the WQCC added Gore Creek to the state's 303(d) list for aquatic life use impairment with a "provisional" qualifier indicating that the cause of impairment was not known. Today, Gore Creek remains provisionally listed for aquatic life use impairment.

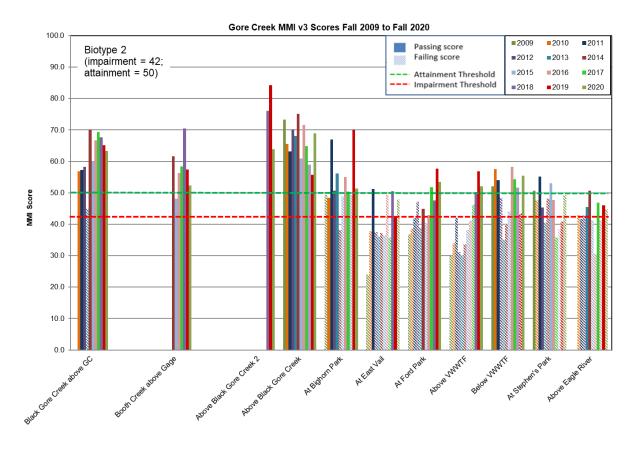
The figures below were produced to show the MMI scores for 2009 through 2020 at the sampling sites on Gore Creek, Black Gore Creek, Red Sandstone Creek, and the Eagle River. The figure includes sampling sites from upstream (left) to downstream (right). On each figure, the green dashed line represents the aquatic life use attainment threshold and the red dashed line represents the impairment threshold. The space in between these two lines is referred to as the "gray zone" where two auxiliary metrics (Shannon Diversity and Hilsenhoff Biotic Index) are used to determine attainment. If a sample produces an MMI score in the "gray zone," but fails either one of the auxiliary metrics, the site is deemed "impaired." Sites with failing scores, or "aquatic life use impairment," are represented by bars with crosshatch fill, while bars with solid fill indicate attainment. Eleven years of data are now available at most sites within the study area.

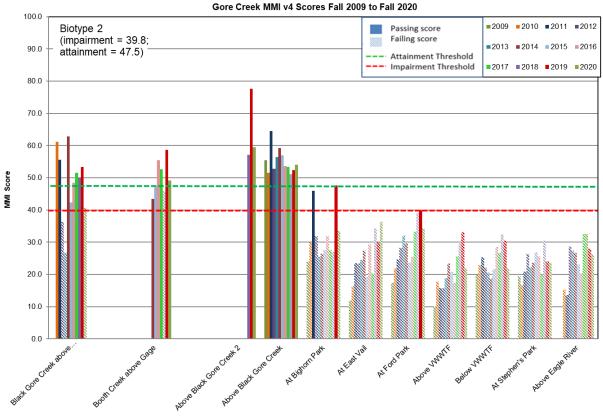
MMI Version 3 (v3) versus Version 4 (v4):

In 2017, the MMI v3 was recalibrated and updated to produce a new analysis tool, the MMI v4 (Colorado Department of Public Health and Environment 2017). Both versions of the MMI (v3 and v4) utilize several individual metrics to assess the health of aquatic communities in Colorado streams. When using either version of the MMI, the individual metrics (components) of the tool will automatically change depending on the location of the study site (high mountains, transitional areas, or plains). Scores are based on a scale from 0 to 100, and thresholds were set to determine "attainment" vs. "impairment." The differences between v3 and v4 mostly occur in the selection of individual metrics that were used to construct the index. The MMI (v4) uses eight equally weighted metrics to provide a single index score, whereas the MMI (v3) used five or six. Many of the individual metrics utilized in the MMI (v4) were not used in the MMI (v3). Consequently, the two versions of the MMI emphasize and evaluate different characteristics of the macroinvertebrate community. At high elevations the MMI (v4) appears to put greater emphasis on the presence (or absence) of the most sensitive taxa. This creates an "all-or-none" effect, where moderately sensitive taxa have less influence on the final score. Since the components of the MMI have changed, the thresholds used to measure "attainment" vs. "impairment" have also changed. The MMI v3 and vv4 were essentially constructed in the same way but use different components to measure different aspects of the health of aquatic life.

Gore Creek:

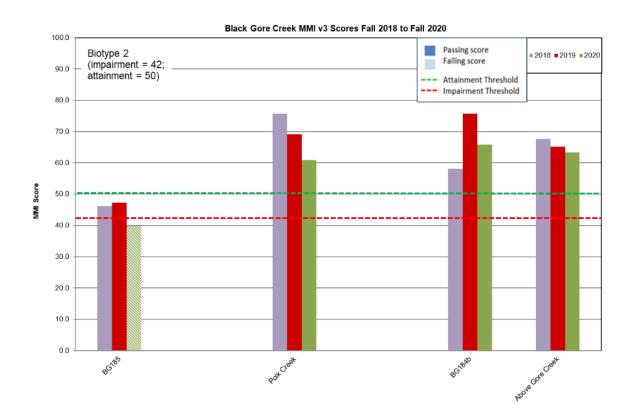
Gore Creek continues to show improved MMI scores using v3, which indicates that the *Restore the Gore* management strategies are working. In 2020, all sites except East Vail, Stephen's Park, and Gore Creek above Eagle River had attaining scores using v3. MMI v4 is more stringent on mountainous regions, thus bringing the scores below attainment on most of Gore Creek. In 2018, a sampling site was added above the East Vail campground as a new reference site. In 2019, there was a significant reduction in the MMI scores from above the campground to below the campground, indicating increased stress, but in 2020 the decrease in scores was not as significant. In 2020, impairment begins at Bighorn Park. In 2020, decreases in MMI v4 scores are most likely due to lower stream flows.

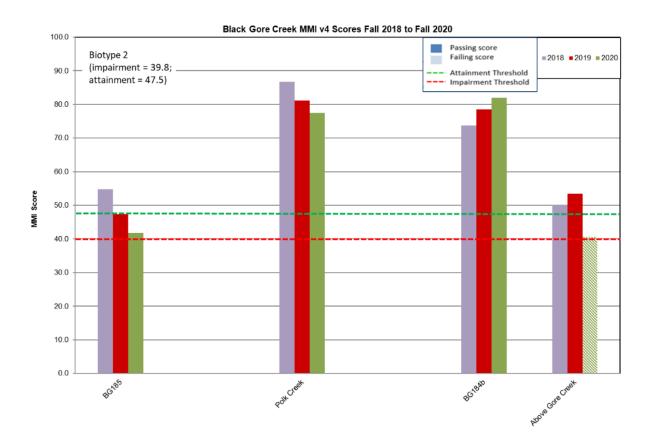




Black Gore Creek:

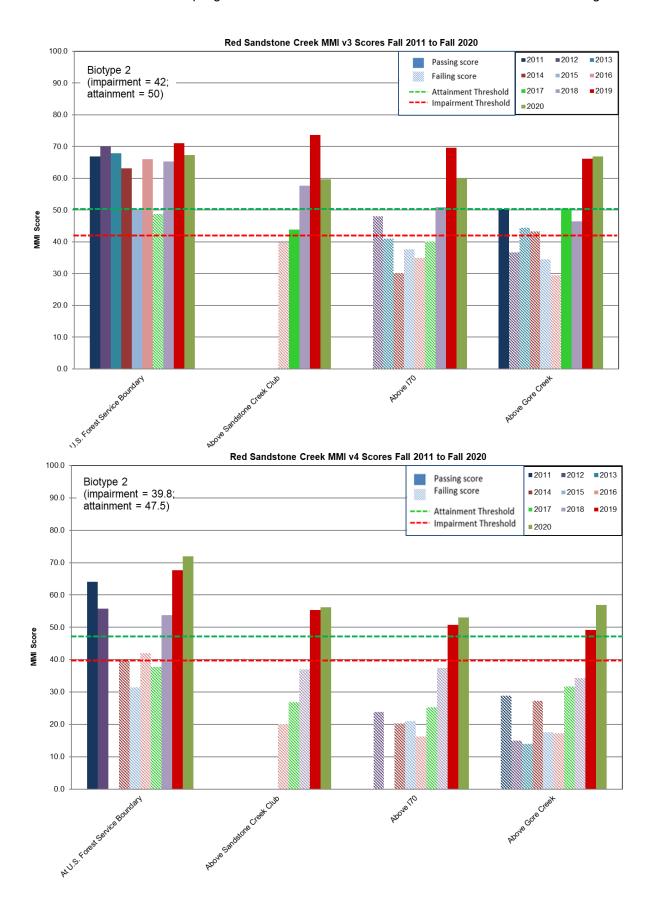
In 2018 and 2019, six sites were sampled on Black Gore Creek. The purpose of adding these sites was to develop comprehensive background data on Black Gore Creek. This background data will be an important metric to track water quality impacts of the I-70 West Vail Pass Auxiliary Lanes construction project. In response to the District's request for CDOT to monitor water quality in Black Gore Creek, CDOT contracted David Rees to sample BG188, BG186, Above Miller Creek, and BG183 (numbers represent highway mile marker locations) in 2020. CDOT has committed to collecting and sharing data at these sites for the next 5 years, thereby reducing ERWSD sampling costs. MMI v3 shows impairment at BG185. MMI v4 shows impairment at Above Gore Creek. Dave Rees commented in MMI v3, BGC185 sediment disposition affected the score. MMI v4 Above Gore Creek, sensitive taxa is present but in lower numbers, low flows in 2020, and more sediment deposition affected the score.





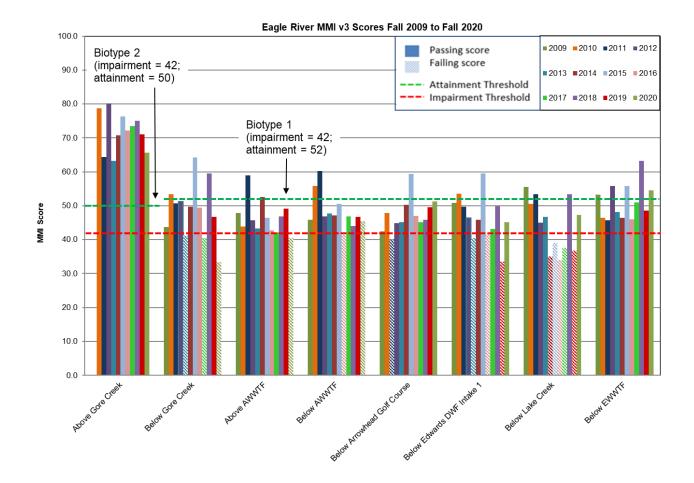
Red Sandstone Creek:

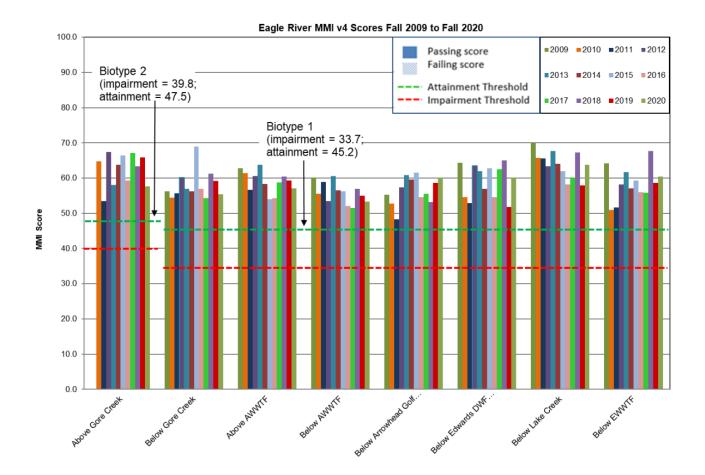
All sampling sites on Red Sandstone had passing MMI scores in 2020 using the v3 and v4 metric tool; this is the second year in a row that all four sites were passing using both versions. For the past few years, Town of Vail staff has been working to improve the riparian and landscape practices along Red Sandstone Creek. Peter Wadden has spoken to numerous homeowners along the creek regarding this matter. The recent improved results show that his education and outreach efforts continue to help improve the conditions.



Eagle River:

The 2020 MMI v4 scores for the Eagle River were all passing.





Bushong & Holleman PC

Attorneys · at · Law

1525 Spruce Street, Suite 200, Boulder, Colorado 80302

MEMORANDUM

To: Eagle River Water & Sanitation District Board

Upper Eagle Regional Water Authority Board

From: Steve Bushong

Date: January 20, 2022

RE: Update on the Molybdenum Rulemaking

Summary of Prior and Pending Molybdenum Rulemaking. In 2017, Climax Molybdenum Co. ("Climax") proposed to modify the molybdenum standards on a statewide basis in Colorado. The proposal was to modify the existing 210 ug/L standard for domestic water supply uses to 9,000 ug/L, and to modify the existing 160 – 300 ug/L standard for agricultural use to 1,000 ug/L. The domestic water supply proposal was based on rat toxicology studies and the agricultural use standard was based on a study of cattle in feedlot conditions. The District and Authority (and Eagle Park Reservoir Company) are parties to that rulemaking and have coordinated with others in engaging a world-renowned expert who is strongly critical of the Climax proposal for domestic water supplies. Another expert used by the stakeholders is critical of the proposed agricultural standard. However, prior to the scheduled 2017 rulemaking hearing, Climax delayed the hearings to allow the Agency for Toxic Substances and Disease Registry ("ASTDR") to complete a federal review of molybdenum toxicity. The rulemaking has been stayed for nearly five years.

During the past 5 years, Climax needed to obtain temporary modifications of the standard in Ten Mile Creek because it cannot meet existing standards. The District and Authority had limited involvement in the first temporary modification to insist that Climax conduct investigations on treatment and management alternatives to reduce the scope of the molybdenum problem and the Water Quality Control Commission agreed. From those investigations, we learned that virtually all molybdenum contamination currently results from effluent from the treatment plant which was not designed to treat for molybdenum. Effluent concentrations into Ten Mile Creek approach 4,000 ug/L. We also learned that optimizing the existing treatment plant could reduce that effluent concentration to 200 – 500 ug/L at a capital cost of about \$26M (not including operational costs), while a new treatment plant would cost in excess of \$100M. Climax has distanced itself from the lower cost estimates at various meetings.

Scope of Molybdenum Contamination. Molybdenum concentrations were historically an issue in the Eagle River watershed but have greatly improved. We believe this is due, in large part, to the remediation of the oxide tailings pond that became Eagle Park Reservoir. In contrast, molybdenum concentrations approaching 2,000 ug/L during low flows are observed downstream

on Ten Mile Creek at Copper Mountain. That is about an order of magnitude higher than the standard. This is consistent with historical data from when the mine was previously operating (limited historical data showed maximum annual concentrations of 2,000 – 2,500 ug/L at Copper Mountain). The molybdenum contamination is widespread. Downgradient public facilities on well water have had molybdenum concentrations approaching or exceeding EPA's health advisory of 40 ug/L at the tap (Silverthorne Rec. Center and Summit County Library – North Branch). To put this in context, molybdenum concentrations in uncontaminated areas are usually closer to 1 ug/L. Denver Water is also measuring significant molybdenum concentrations below the Roberts Tunnel and has even observed molybdenum concentrations approaching the health advisory level at its Front Range drinking water facility. The study by Climax shows that higher concentrations of molybdenum are discharged when they are mining oxidized molybdenum. Climax has modified its mining plans to avoid oxidized materials during the temporary modifications. Climax has indicated, however, that it plans to eventually mine the oxidized ore.

Recent Developments. The ASTDR review of molybdenum was completed and did not support the Climax proposal. Although the review considered the new rat toxicology studies, it also relied upon earlier toxicology studies that showed toxicity at lower concentrations. Climax held a stakeholder meeting recently during which it stated its intent to reset the pending rulemaking for a hearing sometime between December 2022 and June 2023. Climax is taking issue with the safety factors and other variables used by ASTDR. Similar issues were in dispute by Climax leading up to the previously scheduled rulemaking and before the ASTDR review. Climax is also apparently trying to duplicate the older toxicology studies in another way to support relaxing the current molybdenum standard. Although not entirely clear, Climax may lower somewhat its proposed molybdenum standard at the hearing to be scheduled. Climax has also been conducting more cattle studies to support its molybdenum proposal for the agricultural standard, but we have not been following that as closely.

The District and Authority remain parties to the rulemaking on the statewide molybdenum standards. Unless the Boards want to change their position, the plan is to continue working with other interested parties and experts and participate in the rulemaking to ensure the molybdenum standards are appropriate and scientifically defensible.





MEMORANDUM

TO: Boards of Directors

FROM: Diane Johnson, Communications & Public Affairs Manager

DATE: January 27, 2022

RE: Communications and Public Affairs Report

2022 Colorado Legislative Session

The second regular session of the 73rd Colorado General Assembly convened Jan. 12 and is scheduled to adjourn May 11. Kerry Donovan and Dylan Roberts continue to represent Eagle County in the Senate and House, respectively. They both serve on committees that handle water matters. Donovan chairs the Senate Agriculture & Natural Resources committee while Roberts serves on the House Agriculture, Livestock, & Water committee. We will monitor the session as in previous years: via legal counsel, the River District, NWCCOG QQ, Colorado Water Congress, the Special District Association, and industry groups. The district and authority are not pursuing or actively involved in any legislation this session.

Colorado River District

Eagle County reappointed Commissioner Kathy Chandler-Henry as their Director on the Colorado River Water Conservation District board of directors. At the River District's Jan. 18 board meeting, she was reelected Vice President of the board. Marti Whitmore, Director for Ouray County, remains President.

Colorado River Basin supplies - the 500+ Plan

In December, the Lower Basin states (AZ, CA, NV) and the U.S. Bureau of Reclamation announced the 500+Plan that responds to the need for additional reductions in water use from Lake Mead, over and above those required by the 2007 Guidelines and Drought Contingency Plan. The goal is to conserve an additional 500,000 acre-feet or more per year – beyond DCP reductions — to benefit Lake Mead.

Attachments (or hyperlinks):

- 1. Dec. 15 Joint News Release: Water agencies announce partnership to invest \$200 million in conservation efforts to bolster Colorado River's Lake Mead, under 500+ plan
- 2. Dec. 16 Nevada Independent: <u>"Sobering moment:" States sign cutback plan as Colorado River</u> faces risks
- 3. Dec. 29 Vail Daily: <u>Eagle County's snowpack starting to look more normal</u>
- 4. Jan. 5 Vail Daily: Want to adopt a fire hydrant? It could save lives
- 5. Jan. 7 AZ Daily Sun: Phoenix among those voluntarily losing Colorado River water
- 6. Jan. 7 NPR: The Western megadrought is revealing America's 'lost national park"
- 7. Jan. 7 US BOR: Reclamation modifies monthly water releases from Lake Powell to protect reservoir's critical elevations
- 8. Jan. 7 Salt Lake Tribune: <u>Feds tighten Colorado River flow at Glen Canyon Dam as ever-shrinking Lake Powell nears critical level</u>
- 9. Jan. 8 Vail Daily: Vail looks to cut back on turf grass
- 10. Jan. 15 Aspen Journalism: <u>Dropping reservoirs create 'green light' for sustainability on Colorado</u>
 River
- 11. Jan. 17 Vail Daily: When does Vail get the most snowfall?
- 12. Jan. 19 Vail Daily: Remediation work of Trestle Area at Bolts Lake completed











PRESS RELEASE

Water agencies announce partnership to invest \$200 million in conservation efforts to bolster Colorado River's Lake Mead, under 500+ plan

Las Vegas, Nevada (December 15, 2021) – Water agencies across Arizona, California and Nevada, together with the Department of the Interior, today announced a historic effort to invest up to \$200 million in projects over the next two years to keep the Colorado River's largest reservoir, Lake Mead, from dropping to critically low levels.

The agreement, known as the 500+ Plan, aims to add 500,000 acre-feet of additional water to Lake Mead in both 2022 and 2023 by facilitating actions to conserve water across the Lower Colorado River Basin. The additional water – enough water to serve about 1.5 million households a year – would add about 16 feet total to the reservoir's level, which continues to reach record low levels.

"Two decades of drought on the Colorado River is taking a toll across the Basin and on Lake Mead. By working together we've staved off these historic low levels for years, thanks to collaboration and conservation in the Lower Basin. But we need even more action, and we need it now," said Commissioner Camille Calimlim Touton of the U.S. Bureau of Reclamation

In addition to Reclamation, the 500+ Plan includes the Arizona Department of Water Resources, Central Arizona Project, The Metropolitan Water District of Southern California, and the Southern Nevada Water Authority.

Under the Memorandum of Understanding signed today during the Colorado River Water Users Association's annual conference, ADWR commits up to \$40 million to the initiative over two years, with CAP, Metropolitan and SNWA each contributing up to \$20 million. The federal government plans to match those commitments, for a total funding pool of \$200 million.

Some of the specific conservation actions and programs that will be implemented through the 500+ Plan have already begun, while others are still being identified. The MOU includes conservation efforts in both urban and agricultural communities, such as funding crop fallowing on farms to save water, including the recent approval of a short-term agricultural land fallowing program in California, or urban conservation to reduce diversions from Lake Mead.

In 2019, Arizona, Nevada and California signed the Lower Basin Drought Contingency Plan and agreed to contribute water to Lake Mead as it reached certain levels, to keep it from dropping even further and reaching critically low levels. The DCP also included a provision that if modeling indicates a possibility of the reservoir reaching an elevation of 1,030 feet, action would be required.

"Our work on the 2019 DCP took more than five years to complete. This commitment to work together to stabilize Lake Mead came together in a matter of a few months," said Arizona Department of Water Resources Director Tom Buschatzke. "That alone is a powerful testament to the commitment of the Lower Basin States to work together with our partners at Reclamation to protect this vital river system."

"These past months have presented tremendous challenges with the additional pressure of the need to work quickly. But rather than drive us apart, this difficult situation has further strengthened our relationships. It's amazing that work of this magnitude, sensitivity and expense could come together in this amount of time," said Central Arizona Project General Manager Ted Cooke.

"We had hoped the contributions made under the DCP would be enough to stabilize Lake Mead while we seek longer-term solutions to the challenges on the Colorado River. But they aren't, which is why we are moving forward with the 500+ Plan," said Metropolitan General Manager Adel Hagekhalil.

"It is imperative that all users on the Colorado River take action now to preserve this critical resource that we all depend upon," said SNWA General Manager John Entsminger. "We hope as this initiative is developed, that along with our other many conservation efforts, it will provide strong support for Lake Mead water levels."

The plan marks the latest collaborative effort by the Lower Basin states in partnership with Reclamation to bring sustainability to the Colorado River, which has been in a historic drought since 2000.

The plan also highlights the Bipartisan Infrastructure Law's historic \$8.3 billion investment in water infrastructure and will help minimize the impacts of drought, and develop a long-term plan to facilitate conservation and economic growth. The BID's investments will fund water efficiency and recycling programs, rural water projects, WaterSMART grants and dam safety to ensure that irrigators, Tribes and adjoining communities receive adequate assistance and support.

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Phoenix among those voluntarily losing Colorado River water

azdailysun.com/news/local/state-and-regional/phoenix-among-those-voluntarily-losing-colorado-river-water/article 003973f4-d7da-5959-ae10-cb853e6dfcd7.html

By FELICIA FONSECA Associated Press

January 7, 2022



By FELICIA FONSECA Associated Press

FLAGSTAFF — The City of Phoenix this week outlined how it will voluntarily contribute water to a regional plan to shore up the country's largest reservoir that delivers Colorado River water to three states and Mexico.

The river cannot provide seven Western states the water they were promised a century ago because of less snow, warmer temperatures and water lost to evaporation. Water managers repeatedly have had to pivot to develop plans to sustain it for the long-term.

Phoenix, the nation's fifth-largest city, is among entities in the river's lower basin that are part of the "500+ Plan" meant to delay further mandatory shortages. All pieces of the plan haven't been finalized, but farmers and Native American tribes are expected to play a big role.

The Colorado River serves more than 40 million people in Arizona, Nevada, New Mexico, Colorado, California, Wyoming, Utah and Mexico. Lake Mead and Lake Powell store the water and are used to gauge the river's health.

The 500+ Plan will be implemented as Arizona, Nevada and Mexico take the first-ever mandatory cuts from the Colorado River and while water users decide what to do after current rules for managing the river expire in 2026.

Here is a look at the plan:

What is the 500+ Plan?

The plan announced in December requires states in the lower Colorado River basin — Arizona, Nevada and California — plus the U.S. Bureau of Reclamation to reduce water use by at least 500,000 acre feet in 2022 and again in 2023.

The plan is projected to boost the water level of Lake Mead, which has hit record lows, by about 16 feet. The reservoir straddles the Nevada-Arizona border.

Water managers want to keep it from falling to 1,020 feet above sea level. That's the point at which they believe that the reservoir, with just one more dry year, could hit 950 feet and no longer have the capacity to deliver water to Arizona, California and Mexico.

Nevada has an extra layer of water security with a pipeline it built years ago to draw water below that level.

Water users crafted the 500+ Plan within months to create more certainty in the Colorado River supply.

Who is contributing water?

The plan anticipates Arizona contributing 223,000 acre feet and California 215,000 acre feet. An acrefoot of water is enough to serve 2-3 households annually.

In Arizona, Phoenix and the neighboring cities of Glendale, Scottsdale and Tempe, irrigation districts, water agencies, state entities and others have said they'll chip in.

The Metropolitan Water District in California will work through existing partnerships with irrigation districts and seek new ways to conserve water, said Colorado River resources manager Bill Hasencamp.

The district recently signed an agreement with the Quechan Tribe along the Arizona-California to pay farmers and the tribe not to plant crops in the hotter months when water use is highest. That could leave 6,000 acre feet of water in Lake Mead a year for two years, Hasencamp said.

"Yeah, it's a small piece but an important piece of this plan that's needed to make the Colorado River sustainable," Hasencamp said.

Nevada will contribute money because it doesn't have water to give, said Southern Nevada Water Authority spokesman Bronson Mack. The Colorado River supplies southern Nevada with 90% of its water.

"We're already pretty tight as it is with 300,000 acre feet," Mack said.

The Bureau of Reclamation is expected to contribute about 62,000 acre feet.

Native American tribes will be the biggest players in the plan because they tend to have larger and more secure rights to water that isn't fully being used. The Gila River Indian Community and the Colorado River Indian Tribes have signed on to the 500+ Plan.

"We see this as a win-win for everybody because we have solutions, we can offer solutions, we can offer ways to save the river," said Colorado River Indian Tribes Chairwoman Amelia Flores. "I'm glad that others are looking at tribes in that way, that we can be an asset and not calling on us at the last minute."

Who is funding the plan?

The states are required to put up \$100 million, and the federal government will match that amount for a total of \$200 million.

Phoenix will receive nearly \$4.2 million for the 15,977 acre feet it is contributing, which works out to \$260 an acre foot. The city will leave that water in Lake Mead rather than store it underground near Tucson as it had planned, said Cynthia Campbell, the city's water resource management adviser.

Phoenix will use the money for rebate programs for residents to switch to low-flow toilets, smart irrigation control systems and improving the efficiency of cooling towers, Campbell said.

The Metropolitan Water District will pay up to \$1.6 million to farmers on the Fort Yuma reservation and the Quechan Tribe to leave fields dry.

The tribe's water counsel, Jay Weiner, said the tribe is gauging interest among farmers.

"It's really a piece of Quechan trying to be as entrepreneurial as possible, figuring out ways that it can continue to benefit from its water rights for the good of the tribe and its members," he said.

What happens next?

Arizona, Nevada and Mexico will lose water this year in the first federally declared water shortage. In Arizona, that reduction largely falls on farmers in Pinal County who are planning to cut the acreage they farm and rely more on groundwater wells.

The Colorado River basin states will start negotiating soon on a new set of guidelines to replace the current ones that expire in 2026.

Lake Mead and Lake Powell upstream on the Arizona-Utah border haven't been full in more than 20 years. As they fall, it impacts water deliveries, hydropower and recreation at the popular tourist spots.

Lake Mead was at 1,066 feet this week, or about 34% full. Lake Powell was at 3,536 feet, or 27% full.

News & Multimedia

usbr.gov/newsroom

Reclamation modifies monthly water releases from Lake Powell to protect reservoir's critical elevations

Media Contact: Upper Colorado Basin Public Affairs 801-524-3659 ucbpao@usbr.gov

For Release: Jan 7, 2022

Scenic view of Wahweap at Lake Powell



SALT LAKE CITY – The Bureau of Reclamation began monthly operational adjustments at Glen Canyon Dam on Jan. 1, taking initial steps to protect the reservoir's target elevation of 3,525 feet. As of Jan. 5, Lake Powell's water surface elevation measured 3,536 feet, just 11 feet above the target elevation. Without the changes to monthly water releases, the reservoir's elevation was projected to steadily decline below the target elevation through the winter months. The adjusted releases are designed to help protect critical elevations at Lake Powell until spring runoff materializes.

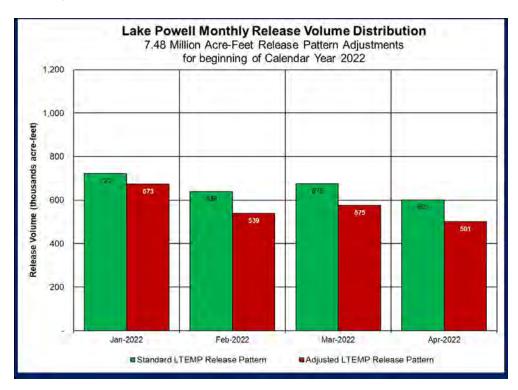
The monthly volume of water released from Glen Canyon Dam is being adjusted to hold back 350 thousand acre-feet (kaf) of water in Lake Powell from January to April when inflow to the reservoir is low. The same amount of water (350 kaf) will then be released to Lake Mead between June and September after the spring runoff occurs. The annual volume of water released from Glen Canyon Dam is unchanged by these operational adjustments.

"Under the Drought Response Operations Agreement, making these monthly operational adjustments at Glen Canyon Dam is essential to protect Lake Powell from dropping to critically low elevation levels in the weeks and months ahead," said **Reclamation's Upper Colorado Basin Regional Director Wayne Pullan**. "Although the basin had substantial snowstorms in December, we don't know what lies ahead and must do all we can now to protect Lake Powell's elevation."

The modified release pattern was put into action after Reclamation met with basin partners including the basin states, Tribes, federal agencies, non-governmental organizations and water managers to discuss the purpose and need to shift the delivery schedule of water.

Water year 2022 got off to a promising start in the Colorado River Basin with a wetter-than-normal October, but it was followed by the second-driest November on record and resulted in a loss of 1.5 million acre-feet of inflow for Lake Powell compared to the previous month's projections. December projections showed the reservoir dropping below the target elevation of 3,525 feet as early as February 2022. As defined in the Drought Response Operations Agreement, the target elevation provides a sufficient buffer to allow for response actions to prevent Lake Powell from dropping below the minimum power pool elevation of 3,490 feet, the lowest elevation that Glen Canyon Dam can generate hydropower.

While the basin recently experienced substantial snowpack, critically low reservoir levels coupled with uncertainty about future snowpack and observed spring inflow necessitate action. The modified release pattern for Glen Canyon Dam is as follows:



Reclamation is closely monitoring the basin's hydrology and will release updated projections later this month. The modified release pattern may be further adjusted, if needed, in response to changing hydrologic conditions. The operational adjustments are consistent with the dam's Long-term Experimental and Management Plan Record of Decision (LTEMP ROD) and will not impact operating tiers or annual release volumes at Lake Powell or Lake Mead. Only the monthly volumes are being adjusted; the annual release volume of 7.48 million acre-feet for water year 2022 (October 1, 2021 – September 30, 2022) will remain the same.

If future projections indicate the monthly adjustments are insufficient to protect Lake Powell's elevation, Reclamation will again consider additional water releases from the Colorado River Storage Project initial units of Flaming Gorge, Blue Mesa and Navajo reservoirs. Meanwhile, Reclamation and

the Upper Basin states continue to work on a Drought Response Operations Plan and expect to have it completed in April 2022.

"The plans adopted in previous years, including the 2007 Interim Guidelines and the Drought Contingency and Binational Water Scarcity Contingency plans, along with voluntary actions, have helped sustain the Colorado River System through the current 22-year-long drought," said **Reclamation's Lower Colorado Basin Regional Director Jaci Gould**. "We'll continue to work with our basin partners in the future in the same collaborative spirit we have demonstrated in the past."

The recently enacted Bipartisan Infrastructure Law provides the resources to back up Reclamation's commitment to collaboration, with historic investments in water and drought resilience. Reclamation is working with its partners in the West in the transparent implementation of this law to meet the need for long-term adaptation for drought and a changing climate. For more information on the Infrastructure Law and Reclamation's implementation, please visit our website at usbr.gov/BIL.

<u>December 24-Month Study Projections</u> <u>Bipartisan Infrastructure Law Investments</u>