



**JORDAN VALLEY WATER**  
CONSERVANCY DISTRICT

**PUBLIC HEARING/BOARD MEETING  
OF THE BOARD OF TRUSTEES  
NOVEMBER 8, 2023**

January 11, 2023

February 8, 2023

March 8, 2023

April 12, 2023

May 10, 2023

June 7, 2023

July 12, 2023

August 9, 2023

September 13, 2023

October 11, 2023

November 8, 2023

December 6, 2023

NOTICE OF PUBLIC HEARING AND REGULAR MEETING OF THE BOARD OF TRUSTEES  
OF JORDAN VALLEY WATER CONSERVANCY DISTRICT

PUBLIC NOTICE is hereby given that the Board of Trustees of the Jordan Valley Water Conservancy District will hold a Public Hearing and regular Board meeting at 3:00 p.m. on Wednesday, November 8, 2023, at the District Administration Building located at 8215 South 1300 West, West Jordan, Utah. Trustees and members of the public may attend this meeting electronically or in person. For information on how to join the meeting electronically, visit Jordan Valley Water Conservancy District's website at (<https://jvwcd.org/calendar/1566/jvwcd-public-hearingregular-board-meeting>)

Agenda

1. Call to order and introduction of visitors
2. Public hearing relating to the issuance of up to \$135 million of water revenue bonds; and related matters
  - a. Verification of legal notification requirements
  - b. Motion to open public hearing and receive public comments
  - c. Comments from the Finance Committee Chair
  - d. Staff presentation on issuance of the bonds
  - e. Questions from Trustees
  - f. Motion to open public comment session on issuance of the bonds
  - g. Motion to close public comment session
  - h. Staff response and summary
  - i. Motion to close public hearing
3. Presentation by Laura Vernon, Great Salt Lake Basin Planner with the Division of Water Resources, about "Great Salt Lake Basin Integrated Plan"
4. Approval of common consent items:
  - a. Minutes of the Executive Committee meeting held October 9, 2023, and the regular Board meeting held October 11, 2023
  - b. Trustees' expenses report for October 2023
5. Public comments
6. Core Mission Reports
  - a. Water supply update
  - b. Water quality update
7. Standing Committee Reports
  - a. Finance update
  - b. Conservation update

JORDAN VALLEY WATER CONSERVANCY DISTRICT

NOTICE OF A PUBLIC HEARING/REGULAR BOARD MEETING  
OF THE BOARD OF TRUSTEES  
November 2023  
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8. Consider approval of Board and Committee meetings' schedule for 2024
9. Financial matters
  - a. Consider adoption of Resolution No. 23-20, "Authorizing the Issuance of up to \$135 Million of Water Revenue Bonds; and Related Matters"
  - b. Presentation on the audit report by Gilbert & Stewart for fiscal year ending June 30, 2023
  - c. Consider adoption of Resolution No. 23-21, "Authorizing a Transfer of Funds from the Revenue Fund to the Capital Projects fund and Other Designated Reserve Funds"
10. Engineering activities
  - a. Consider authorization to award a construction contract for 1362 East 6400 South Well Rehabilitation
  - b. Consider approval of engineering contract amendment for 3300 South Pipeline Project
11. Consider approval of Third Joint Agreement with Hexcel Corporation and Kearns Improvement District
12. Consider approval of amendment to water purchase agreement with Granger-Hunter Improvement District
13. Reporting items:
  - a. Central Utah Project/CUWCD activities report
  - b. Report on facilities rental agreements signed by the General Manager
  - c. Report on District performance indicators for September 2023
  - d. Capital projects report for October 2023
  - e. Report on Media Coverage
14. Upcoming meetings:
  - a. Conservation Committee meeting, Monday, December 4, at 3:00 p.m.
  - b. Executive Committee meeting, Monday, December 4, at 3:30 p.m.
  - c. Regular Board meeting, Wednesday, December 6, at 3:00 p.m.
  - d. Consider approval to cancel the Conservation Committee meeting and the Executive Committee meeting scheduled on December 4, 2023, and the Board of Trustees meeting scheduled for December 6, 2023
15. Closed meeting shall be held electronically and in person with Trustees
  - a. Discussion of pending litigation
  - b. Discussion of character and professional competency of an individual

JORDAN VALLEY WATER CONSERVANCY DISTRICT

NOTICE OF A PUBLIC HEARING/REGULAR BOARD MEETING  
OF THE BOARD OF TRUSTEES

November 2023

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- 
16. Open meeting
  17. Adjourn

Date: November 7, 2023

By:   
Alan E. Packard, District Clerk

If you would like to participate in an electronic meeting where public comment is allowed, you must use a computer, tablet or phone that is capable of connecting with the WebEx meeting software, app, or web browser. A person who desires to speak must submit a message in the chat box at the beginning of the meeting indicating the person's name, address and whom the person represents. Once recognized by the chair, the person should turn on their video and unmute their microphone to speak.

Participants who dial in to the meeting by phone will be able to listen to the meeting but will not be able to speak.

Reasonable accommodation will be made for disabled persons needing assistance to attend or participate in this meeting. Please contact Beverly Parry at 801-565-4300.



JORDAN VALLEY WATER CONSERVANCY DISTRICT

**ACRONYMS AND ABBREVIATIONS**

<b>ACRONYM OR ABBREVIATION</b>	<b>DEFINITION</b>
ACH	Automated Clearing House
AF	acre-feet or acre-foot
ASR	Aquifer Storage and Recovery
AWWA	American Water Works Association
AWWAIMS	American Water Works Association Intermountain Section
BABs	Build America Bonds
BCWTP	Bingham Canyon Water Treatment Plant
BRIC	Building Resilient Infrastructure and Communities
CDA	Community Development Area
Cfs	cubic feet per second
CID	Copperton Improvement District
CFO	Chief Financial Officer
CRA	Community Reinvestment Area
CRWUA	Colorado River Water Users Association
CUP	Central Utah Project
CUPCA	Central Utah Project Completion Act
CUWCD	Central Utah Water Conservancy District
CWP	Central Utah Water Development Project
CWS	Community Water Systems
DBP	disinfection by-product
DDW	Utah Division of Drinking Water
DEIS	Draft Environmental Impact Statement
DEQ	Utah Department of Environmental Quality
DNR	Utah Department of Natural Resources
DOI	Department of Interior
DWQ	Utah Division of Water Quality
DWRe	Utah Division of Water Resources
DWRi	Utah Division of Water Rights
EA	Environmental Assessment
EIS	Environmental Impact Statement
EOC	Emergency Operations Center
EMOD	Experience Modification Factor
EPA	United States Environmental Protection Agency

JORDAN VALLEY WATER CONSERVANCY DISTRICT

**ACRONYMS AND ABBREVIATIONS**

<b>ACRONYM OR ABBREVIATION</b>	<b>DEFINITION</b>
ERP	Emergency Response Plan
ERU	Equivalent Residential Unit
ET	evapotranspiration
FEMA	Federal Emergency Management Agency
GHID	Granger-Hunter Improvement District
GIS	Geographic Information System
gpcd	gallons per capita per day
gpm	gallons per minute
GWR	Groundwater Rule
HET	high-efficiency toilet
HMI	Human-machine interface
HUD	U.S. Department of Housing and Urban Development
HVAC	Heating, Ventilation and air conditioning
IAP	Incident Action Plan
IC	Incident Commander
ICS	Incident Command System
IFA	Impact Fee Act
I-15	Interstate 15
JA	Jordan Aqueduct
JA-4	Jordan Aqueduct Reach 4
JBWRF	Jordan Basin Water Reclamation Facility
JRC	Jordan River Commission
JIC	Joint Information Center
JNPS	Jordan Narrows Pump Station
JTAC	Jordanelle Technical Advisory Committee
JVWCD	Jordan Valley Water Conservancy District
JVWTP	Jordan Valley Water Treatment Plant
KID	Kearns Improvement District
kW	kilowatt
KUC	Kennecott Utah Copper
KLC	Kennecott Land Company
LO	Liaison Officer
LYRB	Lewis Young Robertson & Burningham
MGD	million gallons per day

JORDAN VALLEY WATER CONSERVANCY DISTRICT

**ACRONYMS AND ABBREVIATIONS**

<b>ACRONYM OR ABBREVIATION</b>	<b>DEFINITION</b>
MG	million gallons
mg/L	milligrams per liter
MIDA	Military Installation Development Authority
M&I	Municipal and Industrial
MOU	Memorandum of Understanding
MVC	Mountain View Corridor
MWD	Magna Water District
MWDSLS	Metropolitan Water District of Salt Lake & Sandy
NEPA	National Environmental Policy Act
O&M	Operation and Maintenance
O,M&R	Operation, maintenance and repair/replacement
OSHA	Occupational Safety and Health Administration
PIO	Public Information Officer
POC	Point of Contact
POMA	Point of the Mountain Aqueduct
POMWTP	Point of the Mountain Water Treatment Plant
ppm	parts per million
PRA	Provo River Aqueduct
PRC	Provo Reservoir Canal
PRP	Provo River Project
PRWC	Provo River Watershed Council
PRWUA	Provo River Water Users Association
PRWUC	Provo Reservoir Water Users Company
PTIF	Public Treasurers Investment Fund
PVC	Polyvinyl Chloride
RCP	Reinforced Concrete Pipe
RFP	Request for Proposal
RMP	Rocky Mountain Power
RTU	Remote Telemetry Unit
SR-92	State Road 92
SCADA	Supervisory Control and Data Acquisition system
SDWA	Safe Drinking Water Act
SERWTP	Southeast Regional Water Treatment Plant
SLHBA	Salt Lake Home Builders Association



JORDAN VALLEY WATER CONSERVANCY DISTRICT

**ACRONYMS AND ABBREVIATIONS**

<b>ACRONYM OR ABBREVIATION</b>	<b>DEFINITION</b>
SLVHD	Salt Lake Valley Health Department
SO	Safety Officer
SOQ	Statement of Qualification
SVSD	South Valley Sewer District
SWA	Southwest Aqueduct
SWGWTP	Southwest Groundwater Treatment Plant
SWJVGWP	Southwest Jordan Valley Groundwater Project
TBID	Taylorville Bennion Improvement District
TCR	Total Coliform Rule
TDS	total dissolved solids
TEC	Taxing Entity Committee
UASD	Utah Association of Special Districts
UDC	Utah Data Center
UDOT	Utah Department of Transportation
UIC	Underground injection control
ULFT	ultra low flush toilet
ULS	Utah Lake Drainage Basin Water Delivery System
ULWUA	Utah Lake Water Users Association
UPDES	Utah Pollutant Discharge Elimination System
USBR	United States Bureau of Reclamation
UTA	Utah Transit Authority
UWCF	Utah Water Conservation Forum
UWUA	Utah Water Users Association
WCWCD	Washington County Water Conservancy District
WBWCD	Weber Basin Water Conservancy District
WJWUC	Welby Jacob Water Users Company
WUCC	West Union Canal Company
WCWID	White City Water Improvement District

# **PUBLIC HEARING**

## JORDAN VALLEY WATER CONSERVANCY DISTRICT

### **PUBLIC HEARING PROCEDURES**

November 8, 2023

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The Board of Trustees periodically conducts hearings in which the public are allowed to participate and to make oral presentations. This public hearing shall be conducted remotely by electronic means and in person. To participate electronically:

- Members of the public who desire to comment during the hearing must participate through the Cisco WebEx Meetings software. The software can be found at <https://www.webex.com/downloads.html>.
- Those who desire to make a comment shall download the Cisco WebEx Meetings software to their computer, tablet, or phone before the hearing and ensure they have a suitable internet connection.
- Members of the public will initially join the hearing as an “Attendee,” where they can only listen to and watch the proceedings. Their microphones will be muted and their video will not be visible to the Board.
- Members of the public shall use the “chat window” to send a message to the Board and indicate the speaker’s name, address, and whom she or he represents.
- Written comments may be submitted prior to the meeting.
- The Board Chair shall determine who will speak during the hearing and admit individuals one-by- one to become a meeting “Panelist,” where they will be given unmuted microphone privileges and, if applicable, video privileges.
- Individuals who only call-in will be unable to make comments but will be able to listen to the hearing.

In order to allow the hearing to proceed orderly, to provide for the fair and efficient use of time allotted for the hearing, and to allow the public to view, to hear, and participate in the hearing, it is necessary to adopt appropriate rules for procedure and decorum. The following rules shall be observed during the hearing before the Board:

1. Speakers shall provide their name, address, and affiliation and address their comments to the Chair. They shall not debate with other meeting Attendees or make personal attacks.
2. A predetermined time limit shall be placed on speakers. A speaker cannot combine his/her time with another (e.g., Speaker “X” cannot give his/her time to Speaker “Y” so that Speaker “Y” has double the time), and redundant comments will not be recognized by the Chair.
3. The hearing is designed for civil discussion. Therefore, attendees shall not jeer, cheer, yell out comments, or clap.
4. After the close of the public comment period, discussion shall be limited to Board members and staff.

JORDAN VALLEY WATER CONSERVANCY DISTRICT

**PUBLIC HEARING PROCEDURES**

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JORDAN VALLEY WATER CONSERVANCY DISTRICT

**PUBLIC HEARING PROCEDURES**

November 8, 2023

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  - a. Discussion of pending litigation
16. Open meeting
17. Adjourn

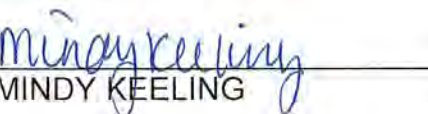
CERTIFICATE OF POSTING OF  
NOTICE OF PUBLIC HEARING

Beverly Parry and Mindy Keeling, hereby certify that:

1. Beverly Parry is the Executive Assistant to the Jordan Valley Water Conservancy District (the "District") General Manager;
2. Mindy Keeling is an Administrative Assistant III for the District;
3. Together, we provided notice of a public hearing to be held by the District's Board of Trustees on November 8, 2023, to receive input from the public with respect to the District's issuance of up to \$135,000,000 aggregate principal amount of water revenue bonds (the "Notice");
4. On October 19, 2023, the Notice was physically posted at the District's Administration Building, located at 8215 South 1300 West, West Jordan, Utah, and at the Conservation Garden Park Education Building, located at 8275 South 1300 West, West Jordan, Utah.
5. The notice was also published on the Utah public notice website on October 19, 2023 and on the District's official website on October 20, 2023.
6. The posted notice has not been removed and has periodically been verified as remaining in place.
7. The date the Notice of Public Hearing was published and posted was at least fourteen (14) days before the date of the public hearing before the District's Board of Trustees.

Dated this 2<sup>nd</sup> day of November, 2023.

  
BEVERLY PARRY

  
MINDY KEELING

**EXHIBIT A**

Copy of Notice of Public Hearing

**NOTICE OF PUBLIC HEARING**

**JORDAN VALLEY WATER CONSERVANCY DISTRICT**

PUBLIC NOTICE IS HEREBY GIVEN that, pursuant to Section 11-14-318, Utah Code Annotated 1953, as amended, the Board of Trustees (the “*Board*”) of Jordan Valley Water Conservancy District (the “*Issuer*”) will hold a public hearing on November 8, 2023, to receive input from the public with respect to the issuance of up to \$135,000,000 aggregate principal amount of the Issuer’s water revenue bonds (the “*Bonds*”) and the potential economic impact that the improvements, facilities, or properties to be financed in whole or in part by the Bonds will have on the private sector.

The Issuer intends to issue the Bonds for the purpose of financing a portion of the costs of acquisition and construction of certain improvements to the Issuer’s water system, including, but not limited to, new wells and groundwater development, water treatment expansions, seismic improvements, aqueducts, pipelines, reservoirs, and other system improvements and related facilities; refunding certain outstanding bonds of the Issuer; and paying costs of issuance of the Bonds.

The Issuer will not pledge any taxes of the Issuer for the payment of the Bonds. Instead, the Issuer will pledge, pursuant to a master bond resolution and a supplemental resolution (collectively, the “*Resolution*”), the revenues attributable to the Issuer’s water system, for the payment of the Bonds, as set forth in the Resolution.

The Board will hold a public hearing at the regular Board meeting that begins at 3:00 p.m. on November 8, 2023. The public hearing will be held at the Issuer’s Administration Building, located at 8215 South 1300 West, West Jordan, Utah. Prior to the public hearing, written comments may be submitted to the Issuer, to the attention of the Clerk of the Issuer, at 8215 South 1300 West, West Jordan, Utah 84088.

DATED this 19th day of October 2023.

JORDAN VALLEY WATER CONSERVANCY DISTRICT



Presentation by Laura Vernon  
“Great Salt Lake Basin Integrated Plan”

November 8, 2023  
Jordan Valley Water Conservancy District

# Great Salt Lake Basin Integrated Plan

Laura Vernon  
Division of Water Resources



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# GREAT SALT LAKE ELEVATION

1986



2000



2022



2023



RECORD HIGH

**4211.65 FEET**



AVERAGE

**4202.2 FEET**



RECORD LOW\*

**4188.5 FEET**

\*PROVISIONAL



**4194.00 FEET**



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# The need for a plan

- Stressed water resources in the basin
- Multiple previous and current studies/plans
- No consensus on data, methods, problem
- Planning has never been done at this scale
- Need a vision and steps to make vision reality
- Need informed decision-making
- Provide direction and list actions

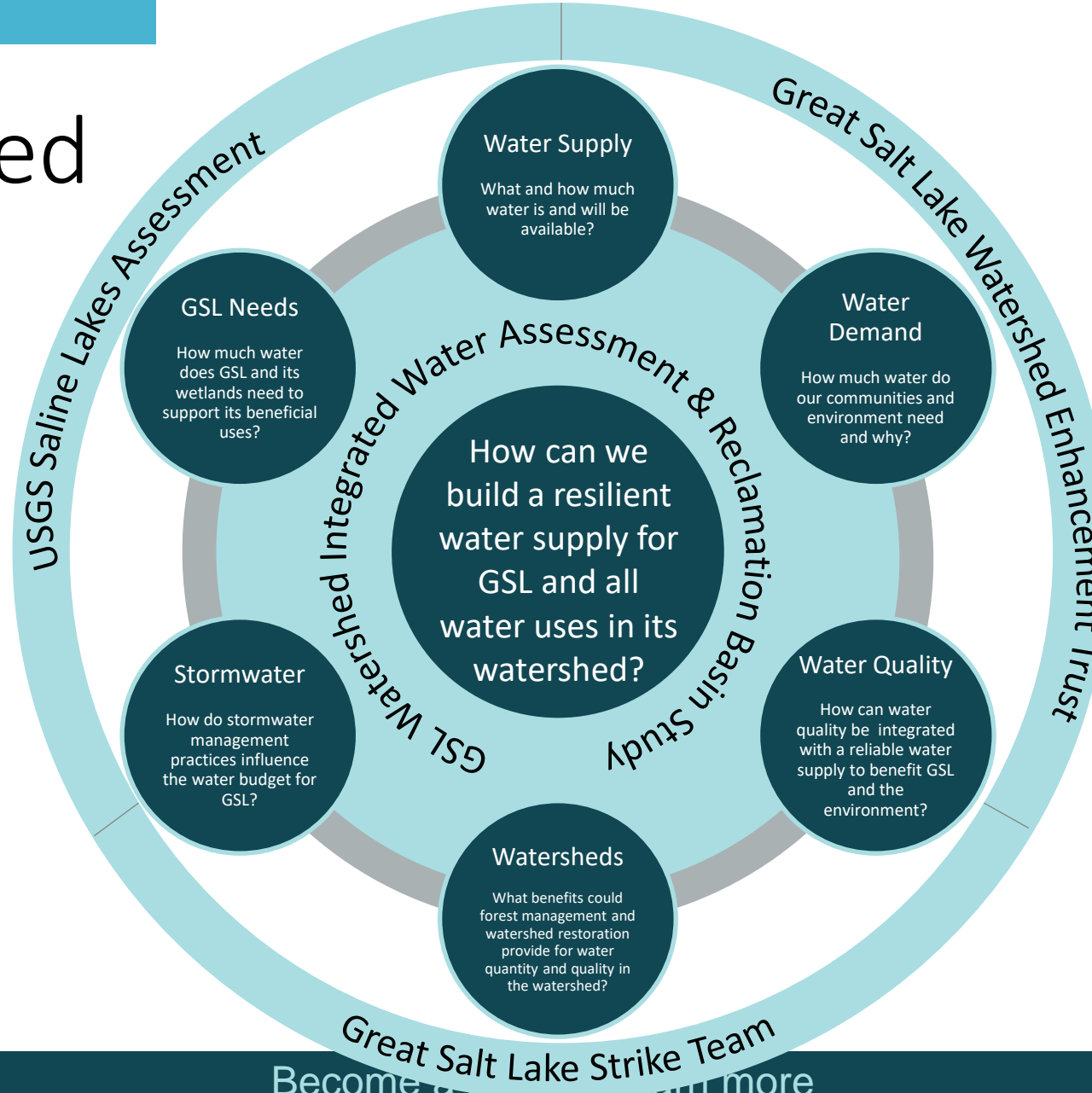
Goal: Ensure a resilient water supply for  
GSL and all water uses in the watershed



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# An Integrated Approach



“Identify and evaluate BMPs that may be used to provide a reliable water supply that

- Meet water quality objectives
- Meet agricultural water objectives
- Accommodate anticipated growth and economic development
- Provide adequate flow to sustain GSL, GSL’s wetlands, and other ecological functions in GSL’s watershed”

-HB429

“Provide a thorough trade-off analysis to help decision-makers balance water supply and demand, and avoid deterioration of agriculture, industry, and ecosystems”

- Reclamation Basin Study

Great Salt Lake Comprehensive Management Plan

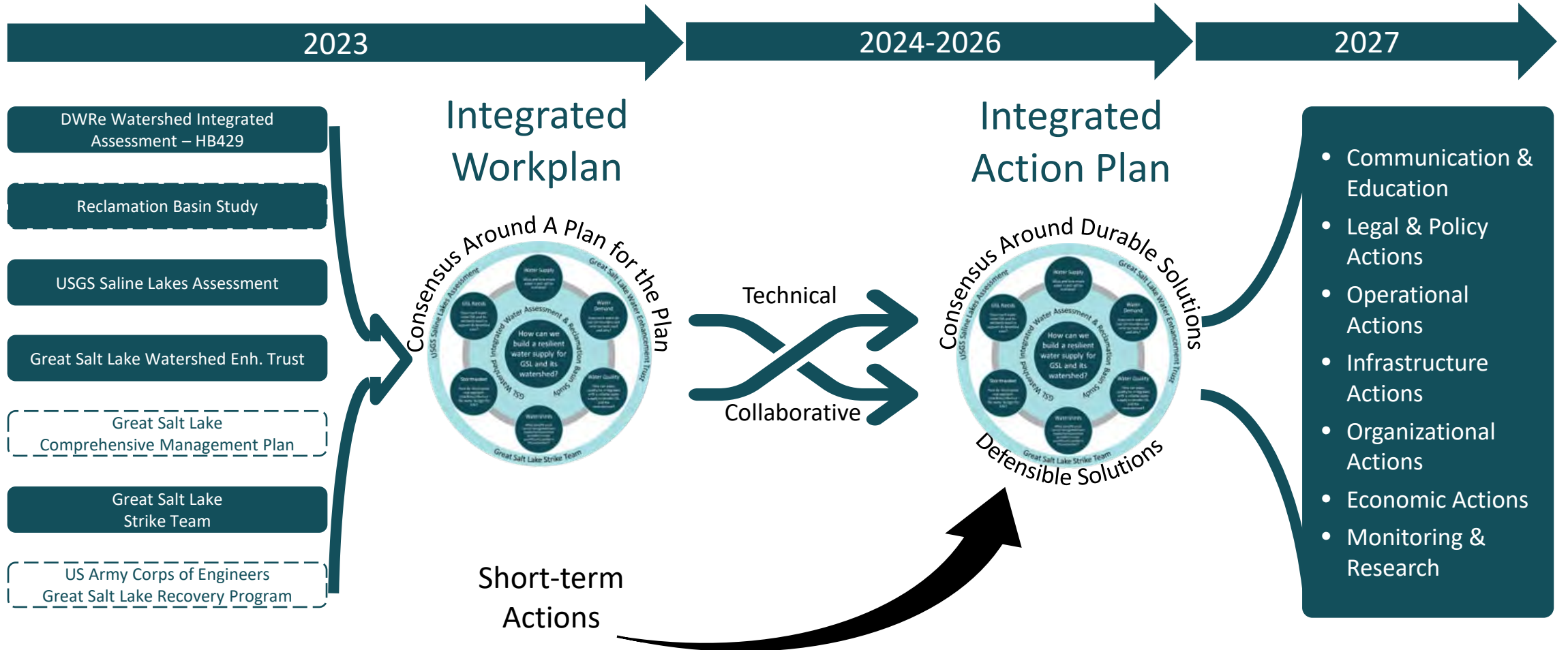
US Army Corps of Engineers Great Salt Lake Recovery Program



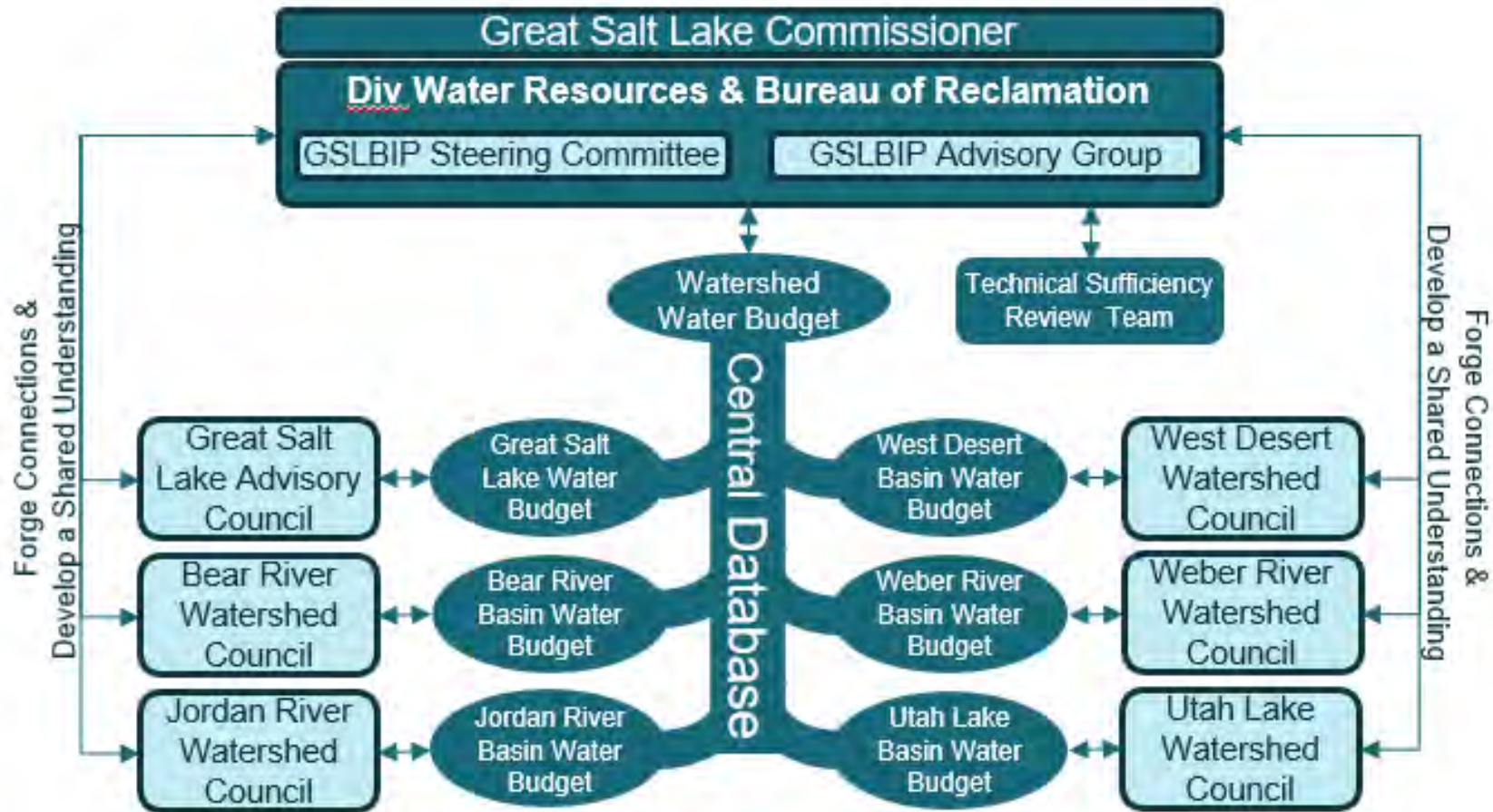
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# An Integrated Approach



# An Integrated Collaborative Approach



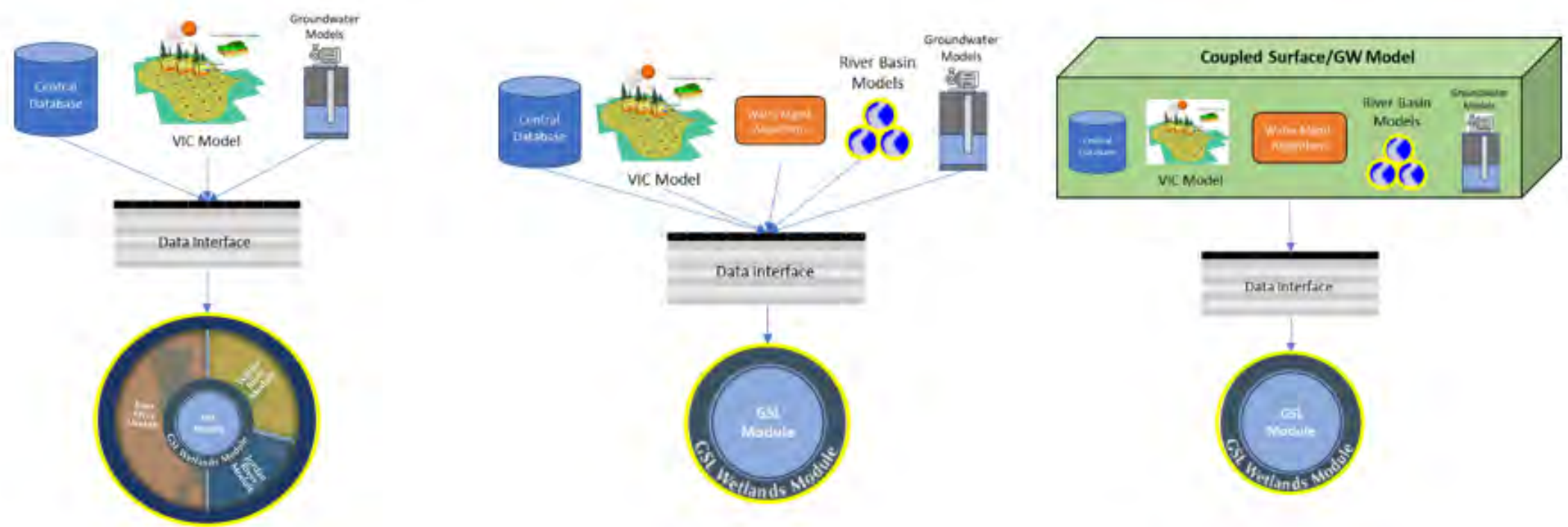


# An Integrated Approach to Workplan Development



Table 1. What is th

# Model Development

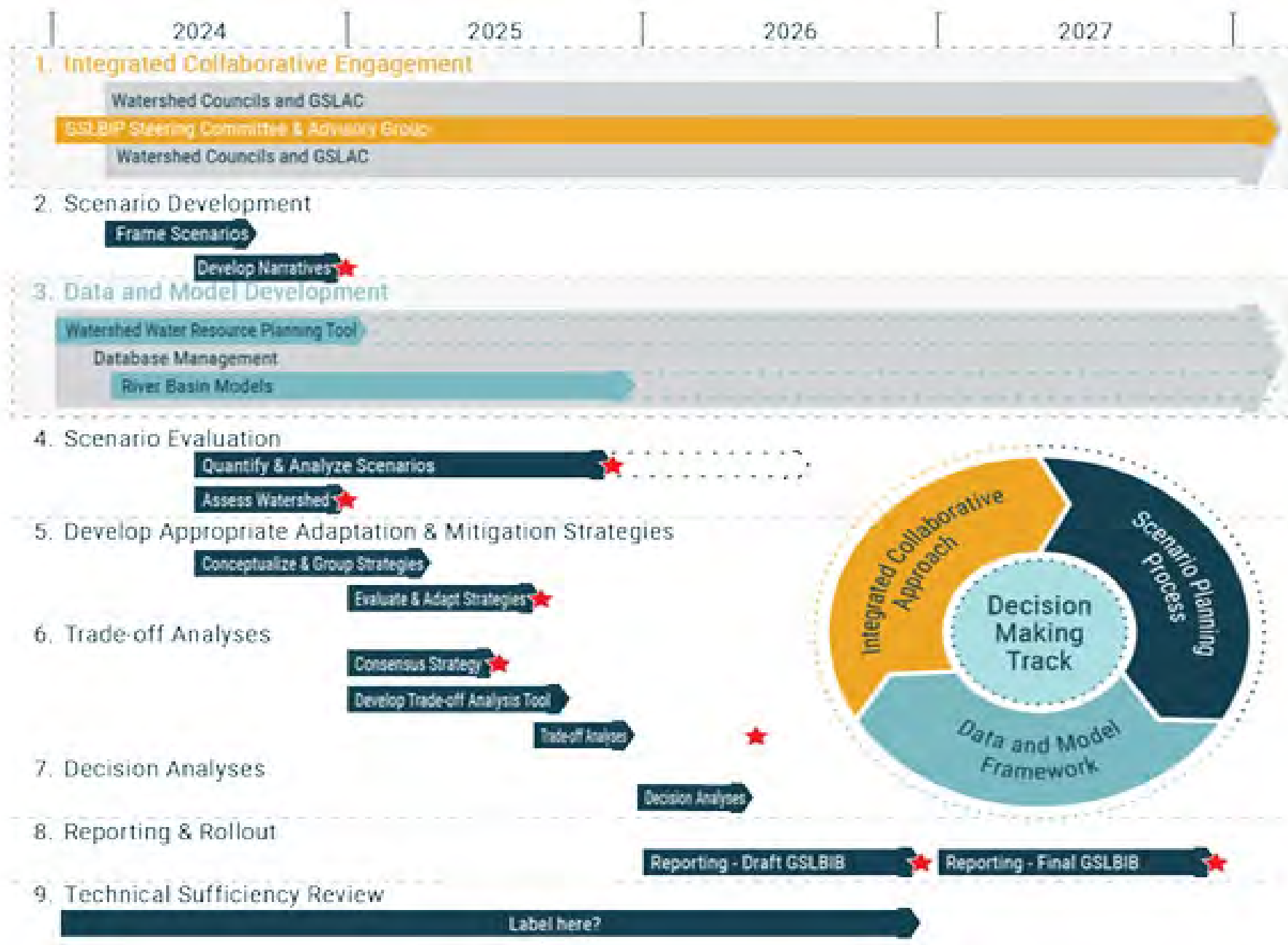


Data Collection



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**Table 1-1. Cost Summary for GSLBIP Projects**

Project Title	Project Category	Estimated GSLBIP Funding Contribution <sup>[a]</sup>
Develop Work Plan for the GSLBIP	Decision Making Track	\$700,000
Modeling and Scenario Planning <sup>[b]</sup>	Decision Making Track	\$5,000,000
Quantify Evaporative Losses from GSL	Strategic Research	\$400,000
Update Safe Yield Estimates from Aquifers	Strategic Research	\$200,000
Bioenergetics Study: Water Requirements of GSL Shorebirds	Strategic Research	\$200,000
Functional Flows Analysis	Strategic Research	\$300,000
Opportunities and Costs for Agricultural Water Optimization	Strategic Research	\$400,000
Opportunities and Costs of M&I Water Conservation	Solutions Development	\$400,000
Options and Costs for GSL Dust Control	Solutions Development	\$300,000
Develop Great Salt Lake Data Hub	Capacity Development	\$200,000
<b>Total</b>		<b>\$8,100,000</b>

<sup>[a]</sup>Estimated GSLBIP Funding Contribution does not include external funding amounts. Refer to individual project fact sheets for more information on matching funds from project partners.

<sup>[b]</sup>Refer to Model Scoping Plan (Appendix H) for additional details on schedule.

M&I = municipal and industrial



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# Workplan Rollout

- Mid-November release
- November 15 presentation to legislature
- Early December open house
- 45 + day review period
- BIP project contracting begins January 2024



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# THANK YOU



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## **COMMON CONSENT ITEMS**

**MINUTES OF THE EXECUTIVE COMMITTEE MEETING OF THE  
BOARD OF TRUSTEES OF JORDAN VALLEY WATER CONSERVANCY DISTRICT**

(Unapproved and subject to change)

Held October 9, 2023

The Executive Committee meeting of the Board of Trustees of the Jordan Valley Water Conservancy District was held in person and electronically on Monday, October 9, 2023, at 4:08 p.m. at JVVCD's office located at 8215 South 1300 West, West Jordan, Utah.

This meeting was conducted electronically in accordance with the Utah Open and Public Meetings Act (Utah Code Ann. (1953) §§ 52-4-1 et seq.) and Chapter 7.12 of the Administrative Policy and Procedures Manual ("Electronic Meetings").

Trustees Present:

A. Reed Gibby  
Zach Jacob  
Karen D. Lang  
Sherrie L. Ohrn  
Dawn R. Ramsey  
Mick M. Sudbury  
John H. Taylor  
Barbara L. Townsend

Trustee Not Present:

Corey L. Rushton, Chair

Staff Present:

Alan Packard, General Manager  
Jacob Young, Deputy General Manager  
Matt Olsen, Assistant General Manager  
Shazelle Terry, Assistant General Manager  
Gordon Batt, Operations Department Manager  
Jason Brown, Information Systems Department Manager  
Brian Callister, Maintenance Department Manager  
Shane Swensen, Engineering Department Manager (electronic)  
David Martin, CFO/Treasurer  
Mark Stratford, General Counsel  
Kurt Ashworth, Human Resources Manager  
Beverly Parry, Executive Assistant  
Martin Feil, Database Administrator (electronic)  
Mindy Keeling, Administrative Assistant  
Kelly Good, Communications Division Manager  
Cynthia Bee, Public Information Officer  
Kyle Allcott, Marketing Specialist  
Brian McCleary, Controller

Others present:

Greg Christensen, Trustee, Kearns Improvement District

**Welcome**

Ms. Karen Lang, Vice Chair, called the meeting to order at 4:08 p.m.

**Review agenda  
for October 11,  
2023, Board  
meeting**

Ms. Lang asked Mr. Alan Packard, General Manager, to proceed with the review of the proposed agenda. Mr. Packard reviewed the proposed agenda for the October 11, 2023, regular Board of Trustees meeting. Some of the topics for discussion and consideration included: consider approval



of minutes of the Executive Committee meeting held September 11, 2023, and the regular Board meeting held September 13, 2023, and the Trustees expenses report for September 2023; consider approval of Landscaping Conversion Incentives Program Grant Agreement with Utah Division of Water Resources; consider approval of a funding commitment letter for the 2023 BRIC JVWCD Regional Water Treatment Plant Drought, Wildfire, and Earthquake Resiliency Project; consider adoption of Resolution No. 23-17, "Approving an Application for a United States Bureau of Reclamation WaterSMART Drought Resiliency Project Grant"; consider adoption of Resolution No. 23-18, "Amending Jordan Valley Water Conservancy District's Personnel Rules and Regulations Manual"; consider adoption of Resolution No. 23-19, "Amending Jordan Valley Water Conservancy District's Rules and Regulations for Wholesale Water Service"; verification of compliance with selected legal requirements and internal practices; report on tentative 2024 Board meetings schedule; report on AWWA Intermountain Section Annual Conference; core mission reports; standing committee reports; and various routine reporting items.

Ms. Dawn Ramsey arrived in person at 4:13 p.m.

**Review  
proposed  
revisions to the  
Personnel  
Rules and  
Regulations  
Manual**

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Mr. Kurt Ashworth, Human Resources Manager discussed the proposed Personnel policy changes. The proposed changes are to update payroll timing from the current semi-monthly pay to biweekly pay, which would pay employees every two weeks on a Friday instead of twice a month on the 5<sup>th</sup> and 20<sup>th</sup>, and to update funeral and pregnancy loss leave to bereavement leave. He said the changes would also necessitate updating policy language for accrued vacation leave, sick leave conversion, and bereavement leave.

**Review  
proposed  
revisions to the  
Rules and  
Regulations for  
Wholesale  
Water Service**

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Mr. Mark Stratford said that objectives for the proposed policy revisions are to preserve JVWCD's financial strength and stability, provide increased opportunity for Member Agencies to "right-size" their Minimum Purchase contract amount, provide increased flexibility for Member Agencies to manage water deliveries, and allow implementation without requiring changes to all wholesale contracts. He said that the proposed policy revisions would expand the opportunity for Member Agencies to permanently decrease Minimum Purchase contract volume to include situations when other Member Agencies have automatic step-up increases in Minimum Purchase contract volumes. He said that a Member Agency that reduces its minimum contract volume would be ineligible to increase its contract volume for a period of three years after the reduction is approved. Mr. Stratford explained the concepts for administering the proposed policy revisions which include allowing for assignment of five percent of Minimum Purchase contract volume to other Member Agencies on an annual basis to the extent that other Member Agencies purchase more than their Minimum Purchase contract volume. He said if a Member Agency makes water available for assignment, it may not accrue Deferred Water in that year, but if an assignment cannot be accommodated, the water volume would revert to Deferred Water.

Ms. Lang inquired whether there are Member Agencies that would want to take advantage of the assigned water policy in 2023. Mr. Stratford said that based on water delivery projections, there are approximately three Member Agencies who are projected to be below their take or pay amount and could either defer or choose to assign the unused water.

Mr. John Taylor asked whether any Member Agencies have advised on the proposed policy change concept. Mr. Packard said that there have been conversations with several Member Agencies and that if the proposed policy changes are accepted, staff will schedule a meeting to provide guidance to all Member Agencies about the policy change.

**Discuss sample  
Strategic Plan  
objectives and  
priorities**

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Mr. Matt Olsen presented a sample draft of the updated Strategic Plan. He said that the plan focuses on five Core Imperatives, which are: 1) Nurture an Environment of Professional Growth and Develop a Dynamic Workforce, 2) Forge Collaborative Planning for Thriving Communities, 3) Enhance Our Resilience to Current Threats, 4) Foster the Public's Conscious Connection with Water, and 5) Modernize Systems to Optimize Our Services. He said the Core Imperatives will help prioritize JVVCD's work moving forward, by informing areas of strategic focus and future operational objectives. The draft plan is expected to be ready by the November meetings.

Ms. Sherrie Ohrn complimented staff on the appearance of the sample draft and on the planning efforts that have gone into updating the Strategic Plan.

**Adjourn**

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Ms. Lang called for a motion to adjourn. Ms. Sherrie Ohrn moved to adjourn. Following a second by Ms. Barbara Townsend, the meeting adjourned at 4:45 p.m.

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Corey L. Rushton, Chair of the Board of Trustees

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Alan E. Packard, District Clerk

**MINUTES OF THE REGULAR BOARD MEETING OF THE  
BOARD OF TRUSTEES OF JORDAN VALLEY WATER CONSERVANCY DISTRICT**

(Unapproved and subject to change)

October 11, 2023

A regular Board meeting of the Board of Trustees of the Jordan Valley Water Conservancy District was held both in person and electronically on Wednesday, October 11, 2023, at 3:00 p.m. at JVVCD's administration building located at 8215 South 1300 West, West Jordan, Utah.

This meeting was conducted electronically in accordance with the Utah Open and Public Meetings Act (Utah Code Ann. (1953) §§ 52-4-1 et seq.) and Chapter 7.12 of the Administrative Policy and Procedures Manual ("Electronic Meetings").

Trustees Present:

Corey L. Rushton, Chair  
A. Reed Gibby (electronic)  
Zach Jacob  
Karen D. Lang (electronic)  
Sherrie L. Ohrn  
Dawn R. Ramsey  
John H. Taylor  
Barbara L. Townsend

Trustees Not Present:

Mick M. Sudbury

Staff Present:

Alan Packard, General Manager  
Jacob Young, Deputy General Manager  
Matt Olsen, Assistant General Manager  
Shazelle Terry, Assistant General Manager  
Gordon Batt, Operations Department Manager  
Jason Brown, Information Systems Department Manager  
Brian Callister, Maintenance Department Manager  
Shane Swensen, Engineering Department Manager and Chief Engineer  
Mark Stratford, General Counsel  
David Martin, Chief Financial Officer/Treasurer  
Brian McCleary, Controller  
Kurt Ashworth, Human Resources Manager  
Beverly Parry, Executive Assistant  
Mindy Keeling, Administrative Assistant  
Cynthia Bee, Public Information Officer  
Margaret Dea, Senior Accountant (electronic)  
Martin Feil, Database Administrator (electronic)  
Kelly Good, Communications Division Manager  
Kira Diaz Pleitez, Asset Management Data Analyst  
Jeanette Perry, Customer Services Supervisor  
Ben Perdue, Property and Right-of-Way Manager

Also Present:

Austin Ballard, CFO/Controller, Granger-Hunter Improvement District (electronic)  
Mark Chalk, General Manager, Taylorsville-Bennion Improvement District (electronic)  
Greg Davenport, Utility Director, West Jordan City

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Clint Dilley, General Manager, Magna Water District (electronic)  
Justun Edwards, Public Works Director, Herriman City (electronic)  
Raymond Garrison, Public Works Director, South Jordan City  
Jason Helm, General Manager, Granger-Hunter Improvement District (electronic)  
Gary Henrie, Engineer, Bureau of Reclamation (electronic)  
Jason Luettinger, Principal, Bowen Collins & Associates  
Brien Maxfield, Senior Engineer, Draper City  
Alan McKean, Water/Wastewater Program Manager, David Evans & Associates (electronic)  
Rob Moore, General Counsel, CUWCD  
Nathan Olmedo, Documenter, Salt Lake Tribune  
Parry Osborn, Engineer, Hazen & Sawyer  
Ana Paz, Associate Engineer, South Jordan City (electronic)  
David Robertson, Principal/Owner, LRB (electronic)  
Wayne Winsor, Assistant General Manager/Chief Engineer, MWDSLS

**Call to order and introduction of visitors**

Mr. Corey Rushton, Chair, convened the Board meeting of the Jordan Valley Water Conservancy District Board of Trustees at 3:00 p.m. on Wednesday, October 11, 2023. Mr. Rushton introduced the members of the Board and the public who joined the meeting both in person and electronically. Mr. Mick Sudbury was excused from the meeting.

**Approval of common consent items**

Mr. Rushton presented the minutes of the Executive Committee meeting held September 11, 2023, and the regular Board meeting held September 13, 2023. He also presented the September 2023 Trustees' Expenses Report. Mr. Rushton called for a motion. Ms. Sherrie Ohrn moved to approve the minutes of the September 11<sup>th</sup> and September 13<sup>th</sup> meetings and the Trustees' Expenses Report for September 2023. Following a second by Ms. Barbara Townsend, the motion was approved by those present as follows:

Mr. Gibby –aye	Mr. Jacob – aye
Ms. Lang – aye	Ms. Ohrn – aye
Ms. Ramsey – aye	Mr. Rushton – aye
Mr. Sudbury – not present	Mr. Taylor – aye
Ms. Townsend – aye	

**Public comments**

There were no public comments.

**Core Mission Reports**

**Water supply update**

Mr. Alan Packard, General Manager, reviewed the Municipal and Industrial (M&I) Water Deliveries report through September 2023, the Wholesale Contract Progress report for each Member Agency, the Wholesale and Retail Actual and Projected Deliveries report, and the Provo River Reservoirs Update.

Ms. Ohrn said she was glad to see the public is still using water responsibly even though the Water Availability Level is normal.

**Water quality update**

Ms. Shazelle Terry, Assistant General Manager, provided information on public perceptions of tap water. She began by saying that JWCD recently received awards for the Best Groundwater and Best Overall Water at the recent AWWA Intermountain Section Conference. She reviewed a 2023 AWWA Survey which indicated that 71% of respondents view the water at their home faucets as safe and 79% of water bill payers trust their water

utility. It also showed that respondents who are aware of water testing requirements hold more trust in their water utility and have higher ratings of water safety than all respondents as a group. In addition, only 57% of respondents were aware of testing requirements for utilities, but those that are aware of the testing requirements rate their water quality as excellent or good. She said that positive ratings of tap water quality by customers continues to be directly correlated to whether an odor is detected and if they trust their water utility to tell them if the water at their faucet is unsafe. She said one-third of adults drink bottled water several times a day while only one-quarter drink water from their faucet several times a day.

Ms. Terry reviewed a recent JWCD Retail Customer Survey which indicated 93% of respondents are satisfied with the overall service received from JWCD, 82% rate their water quality as good or excellent, 73% rate their water taste as good or excellent, and 77% rate their water odor as good or excellent. Ms. Terry reviewed water quality calls by type. She reviewed the major factors that influence the taste and odor of JWCD water and the difference in EPA regulations for primary and secondary drinking water.

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**Standing Committee Reports**

**Finance update**

Mr. Brian McCleary, Controller, reviewed the Financial Report for August 2023. He reviewed the Income Statement and said \$5.6 million was transferred into the Revenue Fund from the Revenue Stabilization Fund, which was less than last year. He also reviewed the Fund Balances sheet which showed \$5.8 million transferred from the Revenue Stabilization Fund into the Revenue Fund and the General Equipment Fund. He also showed the remaining Bond Projects Fund balance was transferred into the Capital Projects Fund.

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**Conservation update**

Mr. Matt Olsen, Assistant General Manager, reported on two completed Integrated Water Conservation and Land Use Municipal Partnerships Grant projects. The program uses funds provided by Salt Lake County for municipal projects that convert nonfunctional turf to water-efficient landscaping. He reported on projects that have recently been completed by Taylorsville City and South Jordan City. Taylorsville City converted lawn areas around its city hall, including park strips along 5400 South, north and east perimeters, and main entrance islands. Lawn in these areas was replaced with rock and plants watered with drip irrigation. South Jordan City also converted lawn areas at its city hall, including four areas surrounding the building on the east and west sides. Lawn in these areas was replaced with rock and wood mulch and plants watered with drip irrigation.

He reported that the program will be accepting another round of applications in the next couple months. Ms. Ramsey expressed appreciation on behalf of South Jordan City for the financial assistance it received through this program.

Mr. Rushton suggested schools be included in this program as there is a lot of nonfunctional turf in school landscaping. Mr. Olsen agreed with the suggestion and said that this request was made recently with the program stakeholders, but they did not think these projects would be a good fit for the program at this time. He pointed out, however, that JWCD's

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Landscape Leadership Grant program is available to schools. Ms. Ramsey suggested finding community organizations that would be willing to donate funds towards converting school landscapes to water efficient landscaping.

**Conservation,  
Communications, and  
Information Systems  
activities**

**Consider approval of  
Landscaping  
Conversion  
Incentives Program  
Grant Agreement with  
Utah Division of  
Water Resources**

Mr. Olsen said this agreement is with the Utah Division of Water Resources (DWR) to formalize cost sharing of turf replacements projects utilizing JVVCD's Landscaping Conversion Incentive Program. JVVCD will sponsor and administer the program. Completed projects that meet the state's requirements would be eligible for state funding. The agreement will be in effect for four years. The initial invoice will be for \$250,000 and thereafter additional funds will be available on a first come, first served basis. Mr. Olsen reviewed key points of the agreement and recommended approval of a Landscaping Conversion Incentives Program Agreement with the Utah Division of Water Resources and authorize the General Manager to execute the Agreement.

Mr. Rushton called for a motion on the recommendation. Mr. Reed Gibby moved to approve a Landscaping Conversion Incentives Program Agreement with the Utah Division of Water Resources and authorize the General Manager to execute the Agreement. Following a second by Ms. Barbara Townsend, the motion was approved by those present as follows:

Mr. Gibby –aye	Mr. Jacob – aye
Ms. Lang – aye	Ms. Ohrn – aye
Ms. Ramsey – aye	Mr. Rushton – aye
Mr. Sudbury – not present	Mr. Taylor – aye
Ms. Townsend – aye	

**Consider approval of  
a funding  
commitment letter for  
the 2023 BRIC  
JVVCD Regional  
Water Treatment  
Plant Drought,  
Wildfire, and  
Earthquake  
Resiliency Project**

Mr. Jacob Young, Deputy General Manager, said that as part of JVVCD's efforts to mitigate the cost of renewing, expanding, and enhancing the resiliency of the District's systems, staff actively look for opportunities to pursue grants. Staff have applied for a FEMA Building Resilient Infrastructure and Communities (BRIC) grant to assist with the cost of the JVVTP Sedimentation Basins 1&2 Seismic and Process Upgrade Project. As part of the grant application, FEMA requires the applicant submit a letter stating its commitment to provide local matching funds. The application process also requires the governing body of the applicant to authorize the designated staff member to sign the application. Mr. Young recommended approval of a funding commitment letter for the 2023 BRIC JVVCD Regional Water Treatment Plant Drought, Wildfire, and Earthquake Resiliency Project to be signed by the General Manager and authorize the Deputy General Manager/Assistant General Manager to sign the FEMA grant application.

Mr. Rushton said as there may be changes to the JVVCD Board by the time this process is complete, he wants to be respectful and considerate of the future Board members as grant applications are considered and approved. Ms. Ramsey asked if JVVCD gets letters of support from congressmen when applying for FEMA grants, and Mr. Young responded that staff received letters of support from congressmen when they applied for this grant previously and will seek letters of support for this grant application.

Mr. Rushton called for a motion on the recommendation. Ms. Dawn Ramsey moved to approve a funding commitment letter for the 2023 BRIC JVVCD

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Regional Water Treatment Plant Drought, Wildfire, and Earthquake Resiliency Project to be signed by the General Manager and authorize the Deputy General Manager/Assistant General Manager to sign the FEMA grant application. Following a second by Mr. Reed Gibby, the motion was approved by those present as follows:

Mr. Gibby –aye	Mr. Jacob – aye
Ms. Lang – aye	Ms. Ohrn – aye
Ms. Ramsey – aye	Mr. Rushton – aye
Mr. Sudbury – not present	Mr. Taylor – aye
Ms. Townsend – aye	

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**Consider adoption of Resolution No. 23-17, “Approving an Application for a United State Bureau of Reclamation WaterSMART Drought Resiliency Project Grant”**

Mr. Young said JVVCD successfully applied for the USBR WaterSMART Drought Resiliency Program Grant last year and received \$3.2 million to equip two new high quality groundwater wells and re-purpose two aging existing wells. This year staff have once again applied for this grant to assist with the cost to install treatment equipment at the Casto and Dry Creek springs. This project is estimated to increase the JVVCD reliable water supply by 900 acre-feet per year and aligns well with two mitigation measures identified in the Drought Contingency Plan (develop additional high quality groundwater and expand operation of the JVVCD artificial groundwater recharge facilities). Mr. Young said that this grant application requires a resolution stating JVVCD’s intent to proceed with the subject project. Mr. Young recommended adoption of Resolution No. 23-17, “Approving an Application for a United States Bureau of Reclamation WaterSMART Drought Resiliency Project Grant.”

Mr. Rushton called for a motion on the recommendation. Ms. Sherrie Ohrn moved to adopt Resolution No. 23-17, “Approving an Application for a United States Bureau of Reclamation WaterSMART Drought Resiliency Project Grant.” Following a second by Ms. Dawn Ramsey, the motion was unanimously approved by those present as follows:

Mr. Gibby –aye	Mr. Jacob – aye
Ms. Lang – aye	Ms. Ohrn – aye
Ms. Ramsey – aye	Mr. Rushton – aye
Mr. Sudbury – not present	Mr. Taylor – aye
Ms. Townsend – aye	

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**Consider adoption of Resolution No. 23-18, “Amending JVVCD’s Personnel Rules and Regulations Manual”**

Mr. Kurt Ashworth, Human Resources Manager, said this proposed policy change would allow JVVCD to convert from a semi-monthly pay schedule to a bi-weekly pay schedule. Also, in several sections of the Personnel Rules and Regulations Manual the words “pay periods” should be changed to “paydays”. He also said that the Funeral and Pregnancy Loss Leave would be changed to Bereavement Leave. Mr. Ashworth recommended adoption of Resolution No. 23-18, “Amending JVVCD’s Personnel Rules and Regulations Manual” with the change of the words “pay periods” to “paydays” in Section 3.1.B.5, Section 4.2.A.1, and Section 4.3.A.1.

Mr. Rushton called for a motion on the recommendation. Ms. Sherrie Ohrn moved to adopt Resolution No. 23-18, “Amending JVVCD’s Personnel Rules and Regulations Manual” with the change of the words “pay periods” to “paydays” in Section 3.1.B.5, Section 4.2.A.1, and Section 4.3.A.1.

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Following a second by Ms. Barbara Townsend, the motion was approved by those present as follows:

Mr. Gibby –aye	Mr. Jacob – aye
Ms. Lang – aye	Ms. Ohrn – aye
Ms. Ramsey – aye	Mr. Rushton – aye
Mr. Sudbury – not present	Mr. Taylor – aye
Ms. Townsend – aye	

**Consider adoption of Resolution No. 23-19, “Amending JVVCD’s Rules and Regulations for Wholesale Water Service”**

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Mr. Mark Stratford, General Counsel, said that under JVVCD’s wholesale policies, when a “take or pay” water purchase agreement is signed by a Member Agency (MA) it commits the MA to take a certain amount of water each year. If the MA does not take the agreed upon amount of water, it is still obligated to pay for that water. This provides JVVCD with financial stability, the ability to make bond payments, and covers the cost of continuing to provide water service from year to year. He said JVVCD also has policy to make sure a MA is not required to make payment on water they did not receive on a regular basis. JVVCD has encouraged MAs to budget their water usage so a MA is taking approximately 110% of its contract so the contract is “right-sized.” Over time, because of conservation, growth, etc., a MA may not be taking 100% of its contracted amount of water and have to pay for water it has not used. Currently, a MA who takes delivery of less than its minimum contract purchase volume in a given year is allowed to defer up to 5% of its contract amount to be used in a subsequent year. The two proposed policy changes will give a MA flexibility in how it manages its contract and continue to maintain JVVCD’s financial stability.

The first proposed policy change is a recognition that as certain MAs grow, they need to increase their purchase contracts. As they increase their contracts, this allows JVVCD to maintain its financial stability and provides an opportunity for a MA that does not use its full contract amount to permanently reduce its contract. A fundamental concept of the proposed policy change is that a MA will not reduce its contract in excess of the amount of water that other MAs have increased their contracts. This would be a permanent change to the MA contracts. The second proposed policy change would provide for a temporary annual partial assignment of contracted water which allows the District to partially assign water from a MA who takes less than its take-or-pay amount to another MA who has taken more than its take-or-pay amount in that year. Mr. Stratford compared the difference between deferred water and partial water assignment. A discussion took place on the benefits and possible abuse of the partial assignment policy. Mr. Stratford said a common question regarding this policy might be that if a MA receives an assignment of water, will it affect the amount they pay for the water they are receiving and is there any benefit to the MA assigning the water? He said this proposal will not change the water rate that a MA pays. If a MA assigns water, it will not pay for the water being assigned, and the MA receiving the assigned water will pay for the assigned water at its regular per acre foot rate. Contract amounts will not be changed due to partial assignment of water. He also stated that if a MA takes over 120% of its contract amount, which includes assigned water, it will pay Block 2 rates.



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Mr. Stratford proposed that the language “normal” water year be replaced by “weather neutral” water year in the policy. He also proposed that the words “beginning in calendar year 2024” be deleted from Section 1.9.1. Mr. Stratford recommended adoption of Resolution No. 23-19, “Amending JVVCD’s Rules and Regulations for Wholesale Water Service” with the deletion of the words “beginning in calendar year 2024” from Section 1.9.1.

Mr. Rushton called for a motion on the recommendation. Ms. Barabara Townsend moved to adopt Resolution No. 23-19, “Amending JVVCD’s Rules and Regulations for Wholesale Water Service” with the deletion of the words “beginning in calendar year 2024” from Section 1.9.1. Following a second by Mr. John Taylor, the motion was approved by those present as follows:

Mr. Gibby –aye	Mr. Jacob – aye
Ms. Lang – aye	Ms. Ohrn – aye
Ms. Ramsey – aye	Mr. Rushton – aye
Mr. Sudbury – not present	Mr. Taylor – aye
Ms. Townsend – aye	

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### Reporting Items

Mr. Stratford verified that JVVCD is in compliance with all selected legal requirements and internal District practices. Ms. Beverly Parry, Executive Assistant, reviewed the proposed 2024 Board meeting schedule and the conferences available for trustees to attend during 2024.

Mr. Packard reviewed awards that JVVCD received at the AWWA Intermountain Section Conference which included Water Taste Test Winner (Best Groundwater), Water Taste Test Winner (Overall), and System Safety Award. He also reported that Brian McCleary, Controller, received the distinguished Fuller Award and Jeanette Perry, Customer Service Supervisor, received the Outstanding Service Award. He reported that David McLean, Senior Engineer; Conor Tyson, Registered Engineer; Clifton Smith, Senior Business Data Analyst; and Jacob Young, Deputy General Manager, presented at the conference.

Mr. Packard reviewed the routine reporting items which included: facilities rental agreements signed by the General Manager, easement encroachment agreements signed by the General Manager, performance indicators for August 2023, and media coverage. Mr. Shane Swensen, Engineering Department Manager and Chief Engineer, reported on a final project completion report for the 11800 South Pump Station Upgrades.

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### Upcoming meetings

Mr. Rushton reviewed the upcoming meetings including the Conservation Committee meeting, Monday, November 6 at 3:00 p.m.; Executive Committee meeting, Monday, November 6 at 3:00 p.m.; and regular Board meeting, Wednesday, November 8 at 3:00 p.m.

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### Consider approval to cancel the Conservation Committee meeting scheduled on November 6, 2023

Mr. Rushton recommended cancelling the Conservation Committee meeting scheduled for Monday, November 6 at 3:00 p.m. Ms. Barbara Townsend moved to cancel the Conservation Committee meeting scheduled for Monday, November 6. Following a second by Mr. Zach Jacob, the motion was approved by those present as follows:

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Mr. Gibby –aye	Mr. Jacob – aye
Ms. Lang – aye	Ms. Ohrn – aye
Ms. Ramsey – aye	Mr. Rushton – aye
Mr. Sudbury – not present	Mr. Taylor – aye
Ms. Townsend – aye	

**Adjourn**

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Mr. Rushton called for a motion to adjourn. Ms. Sherrie Ohrn moved to adjourn. Following a second by Ms. Barbara Townsend, the meeting adjourned at 4:43 p.m.

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Corey L. Rushton, Chair of the Board of Trustees

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Alan E. Packard, District Clerk

**JORDAN VALLEY WATER CONSERVANCY DISTRICT  
TRUSTEES EXPENSES REPORT  
OCTOBER 2023**

<b>Meeting</b>	Finance Com. Mtg. October 19, 2023	Executive Committee Meeting October 9, 2023	Board Meeting October 11, 2023	Per Diem To Date for 2023 (Maximum 12)	Total Miles	Mileage \$.62 per mile	Total Per Diem	Total Amount
<b>Trustee</b>								
Gibby, Reed		X	X	12	30.0	\$18.60	\$ -	\$18.60
Jacob, Zach		X	X	9	28.0	\$17.36	\$ 120	\$137.36
Lang, Karen		X		3	21.0	\$13.02	\$ -	\$13.02
Ohrn, Sherrie		X	X	9	54.0	\$33.48	\$ 60	\$93.48
Ramsey, Dawn		X	X	7	40.0	\$24.80	\$ 120	\$144.80
Rushton, Corey	X		X	0	20.0	\$12.40	\$ -	\$12.40
Sudbury, Mick		X		0	29.0	\$17.98	\$ -	\$17.98
Taylor, John	X	X	X	0	25.8	\$16.00	\$ -	\$16.00
Townsend, Barbara		X	X	3	40.0	\$24.80	\$ -	\$24.80
<b>Total</b>								<b>\$453.64</b>

# **CORE MISSION REPORTS**

# **WATER SUPPLY UPDATE**

## JORDAN VALLEY WATER CONSERVANCY DISTRICT

*Monthly Summary of Water Deliveries in Acre Feet*

October 2023

### Municipal and Industrial (M&I) Water Deliveries

Wholesale System	This Month	Previous Year	% Change	YTD	YTD Prev Year	YTD % Change	Fiscal YTD	Fiscal YTD Prev Year	Fiscal YTD % Change
Bluffdale City	227.25	289.82	-22%	3,102.66	3,112.04	0%	1,740.94	1,721.62	1%
Copperton Improvement District	6.46	4.48	44%	10.95	29.23	-63%	10.95	29.23	-63%
Draper City	265.52	343.78	-23%	3,926.51	3,969.04	-1%	2,358.77	2,360.77	0%
Granger-Hunter Improvement District	1,377.02	1,672.13	-18%	16,880.56	17,589.95	-4%	9,455.54	9,773.83	-3%
Herriman City <sup>3</sup>	360.10	400.02	-10%	5,607.36	5,592.15	0%	3,694.02	3,345.76	10%
Hexcel Corporation	90.13	76.52	18%	851.92	698.31	22%	371.97	315.41	18%
Kearns Improvement District	506.85	592.36	-14%	6,467.52	6,657.74	-3%	3,655.35	3,683.95	-1%
Magna Water District	69.74	62.70	11%	674.30	665.13	1%	266.30	267.05	0%
Midvale City	183.87	353.70	-48%	2,737.89	2,775.68	-1%	1,409.80	1,805.89	-22%
Riverton City	425.79	454.03	-6%	4,742.25	4,358.41	9%	2,302.43	2,134.93	8%
South Jordan City <sup>3</sup>	1,040.30	1,345.96	-23%	15,279.34	15,441.78	-1%	9,095.89	9,204.98	-1%
City of South Salt Lake	78.97	87.17	-9%	973.86	755.99	29%	322.23	251.74	28%
Taylorville-Bennion Improvement District	252.21	418.81	-40%	3,740.97	4,100.50	-9%	1,337.27	1,821.84	-27%
Utah Div. of Fac. Const. and Mgmt.	2.64	18.55	-86%	179.77	312.06	-42%	63.52	68.23	-7%
WaterPro, Inc.	15.00	53.79	-72%	1,256.13	1,198.03	5%	829.21	666.53	24%
City of West Jordan <sup>3</sup>	1,354.68	1,734.62	-22%	18,359.23	19,043.76	-4%	10,736.28	10,977.40	-2%
White City Water Improvement District	0.00	0.00		0.00	0.00		0.00	0.00	
Willow Creek Country Club <sup>6</sup>	10.81	25.51	-58%	273.01	301.50	-9%	174.93	204.60	-15%
<b>Wholesale System Subtotal</b>	<b>6,267.34</b>	<b>7,933.93</b>	<b>-21%</b>	<b>85,064.23</b>	<b>86,601.30</b>	<b>-2%</b>	<b>47,825.42</b>	<b>48,633.76</b>	<b>-2%</b>
Retail System <sup>2</sup>	506.75	607.96	-17%	6,798.23	6,539.70	4%	3,883.29	3,757.64	3%
<b>Total Wholesale &amp; Retail</b>	<b>6,774.09</b>	<b>8,541.89</b>	<b>-21%</b>	<b>91,862.46</b>	<b>93,141.00</b>	<b>-1%</b>	<b>51,708.71</b>	<b>52,391.41</b>	<b>-1%</b>

### Other M&I Deliveries

MWDSLS (Treated and Transported) <sup>4</sup>	819.57	952.06	-14%	8,559.43	9,952.47	-14%	5,676.56	6,392.79	-11%
District Use (Non-revenue) <sup>5</sup>	40.64	51.25	-21%	551.17	558.85	-1%	310.25	314.35	-1%
<b>Other M&amp;I Subtotal</b>	<b>860.21</b>	<b>1,003.31</b>	<b>-14%</b>	<b>9,110.61</b>	<b>10,511.32</b>	<b>-13%</b>	<b>5,986.81</b>	<b>6,707.13</b>	<b>-11%</b>
<b>Total M&amp;I Deliveries</b>	<b>7,634.31</b>	<b>9,545.20</b>	<b>-20%</b>	<b>100,973.07</b>	<b>103,652.32</b>	<b>-3%</b>	<b>57,695.52</b>	<b>59,098.54</b>	<b>-2%</b>

### Irrigation and Raw Water Deliveries

Welby Jacob Water Users	1,724.61	0.00		24,489.03	23,302.97	5%	16,199.24	14,091.90	15%
<b>Total Irrigation and Raw Water</b>	<b>1,724.61</b>	<b>0.00</b>		<b>24,489.03</b>	<b>23,302.97</b>	<b>5%</b>	<b>16,199.24</b>	<b>14,091.90</b>	<b>15%</b>
<b>Total Deliveries</b>	<b>9,358.92</b>	<b>9,545.20</b>	<b>-2%</b>	<b>125,462.10</b>	<b>126,955.29</b>	<b>-1%</b>	<b>73,894.76</b>	<b>73,190.44</b>	<b>1%</b>

<sup>1</sup> The City of South Salt Lake contract is based on a fiscal year. All other contracts are based on a calendar year.

<sup>2</sup> Retail deliveries are finalized after billing. Preliminary estimates using AMI data are made for the month previous to today.

<sup>3</sup> Contract amount is minimum purchase plus remediated water.

<sup>4</sup> Water treated and transported for MWDSLS by JVVCD is delivered to Salt Lake City at 2100 South.

<sup>5</sup> District Use (Non-revenue) includes water consumed in breaks, reservoir washing, fires, irrigation and facility potable water.

<sup>6</sup> Willow Creek Country Club average annual usage is estimated at 350 acre-feet.

# Jordan Valley Water Conservancy District

## Wholesale Contract Progress (af)

October 2023

■ Actual % of Contract  
■ Projected<sup>3</sup> % of Contract

Agency Name	Contract Type	Contract: (af)	Actual: (af) (%)	Projected: (af) (%)	Agency Name	Contract Type	Contract: (af)	Actual: (af) (%)	Projected: (af) (%)
Bluffdale City	Conventional	3,600	3,103 (86%)	3,368 (94%)	Midvale City	Conventional	3,085	2,738 (89%)	3,029 (98%)
	Deferred Water <sup>4</sup>	71	0 (0%)			Riverton City	Conventional	4,000	4,742 (119%)
Draper City	Conventional	3,800	3,927 (103%)	4,209 (111%)	South Jordan City	Conventional	15,000	14,327 (96%)	15,204 (101%)
Granger-Hunter Improvement District	Conventional	18,500	16,881 (91%)	18,608 (101%)		Remediated <sup>2</sup>	1,333	952 (71%)	1,190 (89%)
Herriman City	Conventional	5,200	5,131 (99%)	5,343 (103%)	City of South Salt Lake <sup>1</sup>	Conventional	1,020	322 (32%)	1,014 (99%)
	Deferred Water <sup>4</sup>	8	0 (0%)		Taylorville-Bennion Improvement District	Conventional	4,700	3,741 (80%)	4,342 (92%)
	Remediated <sup>2</sup>	667	476 (71%)	595 (89%)		Deferred Water <sup>4</sup>	0	0 (100%)	
Hexcel Corporation	Conventional	720	852 (118%)	946 (131%)	Utah Division of Facilities Construction and Management	Conventional	548	180 (33%)	247 (45%)
						Deferred Water <sup>4</sup>	82	0 (0%)	
Kearns Improvement District	Conventional	7,500	6,468 (86%)	7,190 (96%)	WaterPro, Inc.	Conventional	950	1,256 (132%)	1,286 (135%)
Magna Water District	Conventional	800	663 (83%)	791 (99%)	City of West Jordan	Conventional	18,500	17,288 (93%)	18,768 (101%)
	Deferred Water <sup>4</sup>	11	11 (100%)			Remediated <sup>2</sup>	1,500	1,071 (71%)	1,339 (89%)

<sup>1</sup>All contracts are on a calendar year except for City of South Salt Lake which is on a fiscal year.

<sup>2</sup>Remediated water is credited first as it becomes available.

<sup>3</sup>Projected deliveries are calculated as an average monthly delivery over the previous three years for months left in the contract year.

<sup>4</sup>Non-delivered portion of minimum purchase contract that may be deferred to future years as outlined in Section 1.8 of the Rules and Regulations for Wholesale Water Service.



JORDAN VALLEY WATER  
CONSERVANCY DISTRICT

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Wade Tuft

November 8, 2023

# 2023 Water Year Report

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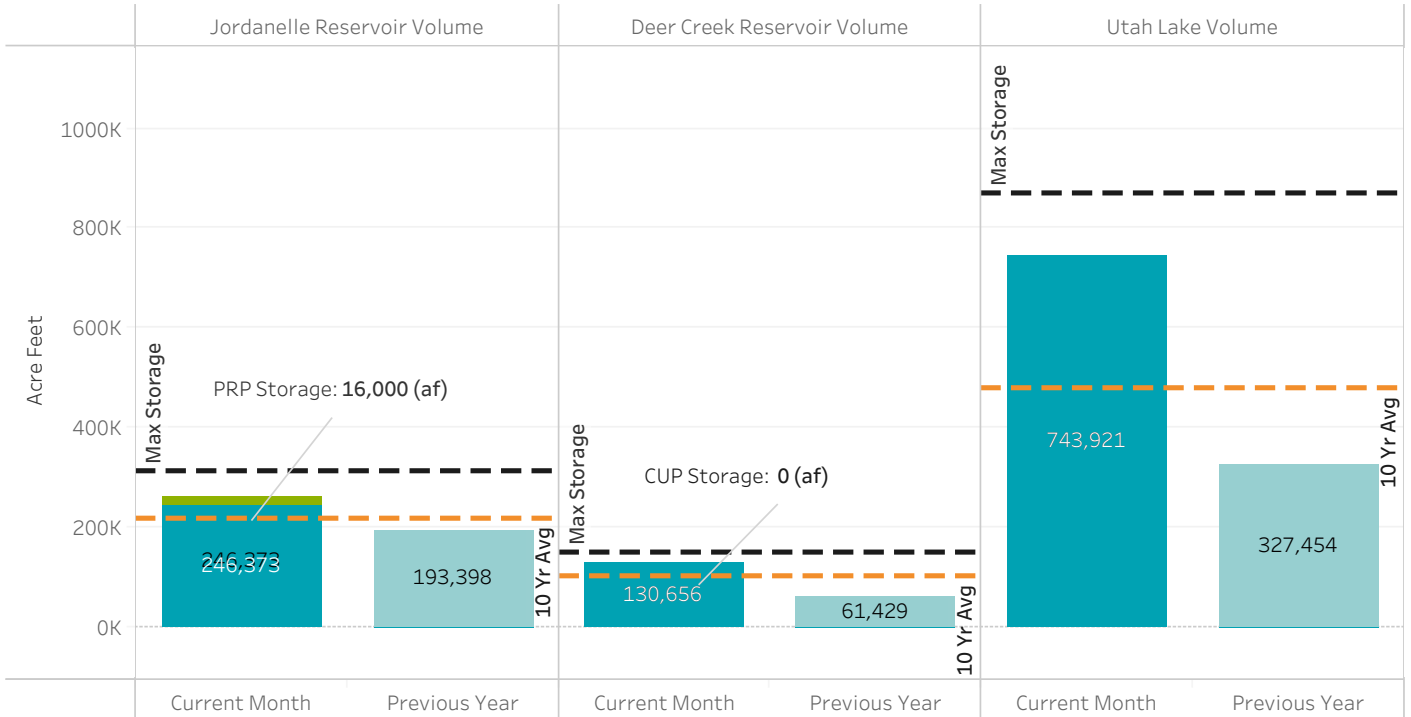


# Jordan Valley Water Conservancy District

## Provo River Reservoirs Update

October 31, 2023

- Current Month
- Other Storage
- Previous Year

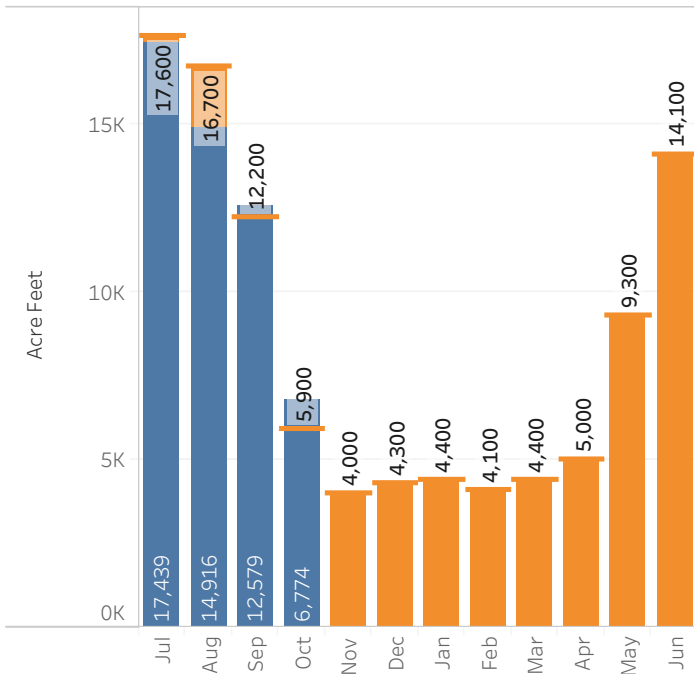


10 Yr Avg for Jordanelle Reservoir may not include all ten years. The available data for Jordanelle Reservoir begins with April, 2014.

### Wholesale + Retail Actual & Projected Deliveries

FY 2024  
Through October 2023

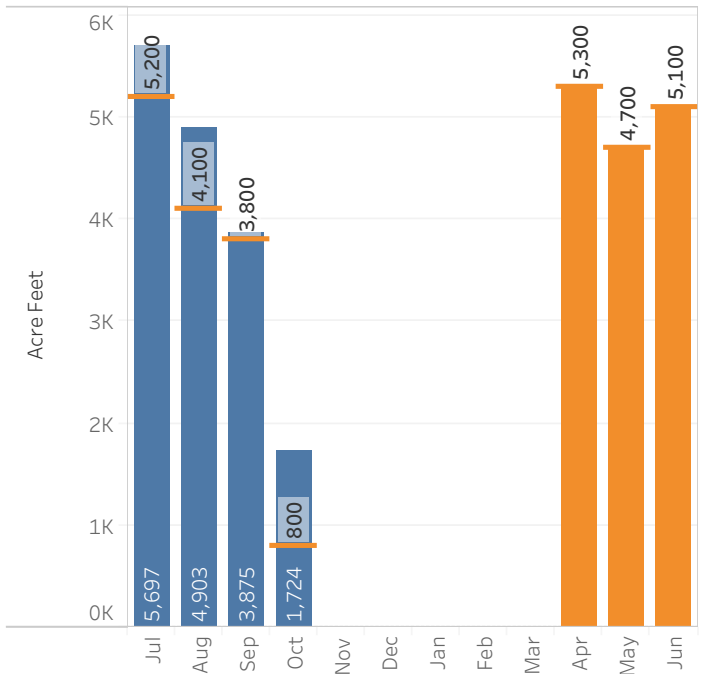
- Actual
- Projected



### Irrigation Actual & Projected Deliveries

FY 2024  
Through October 2023

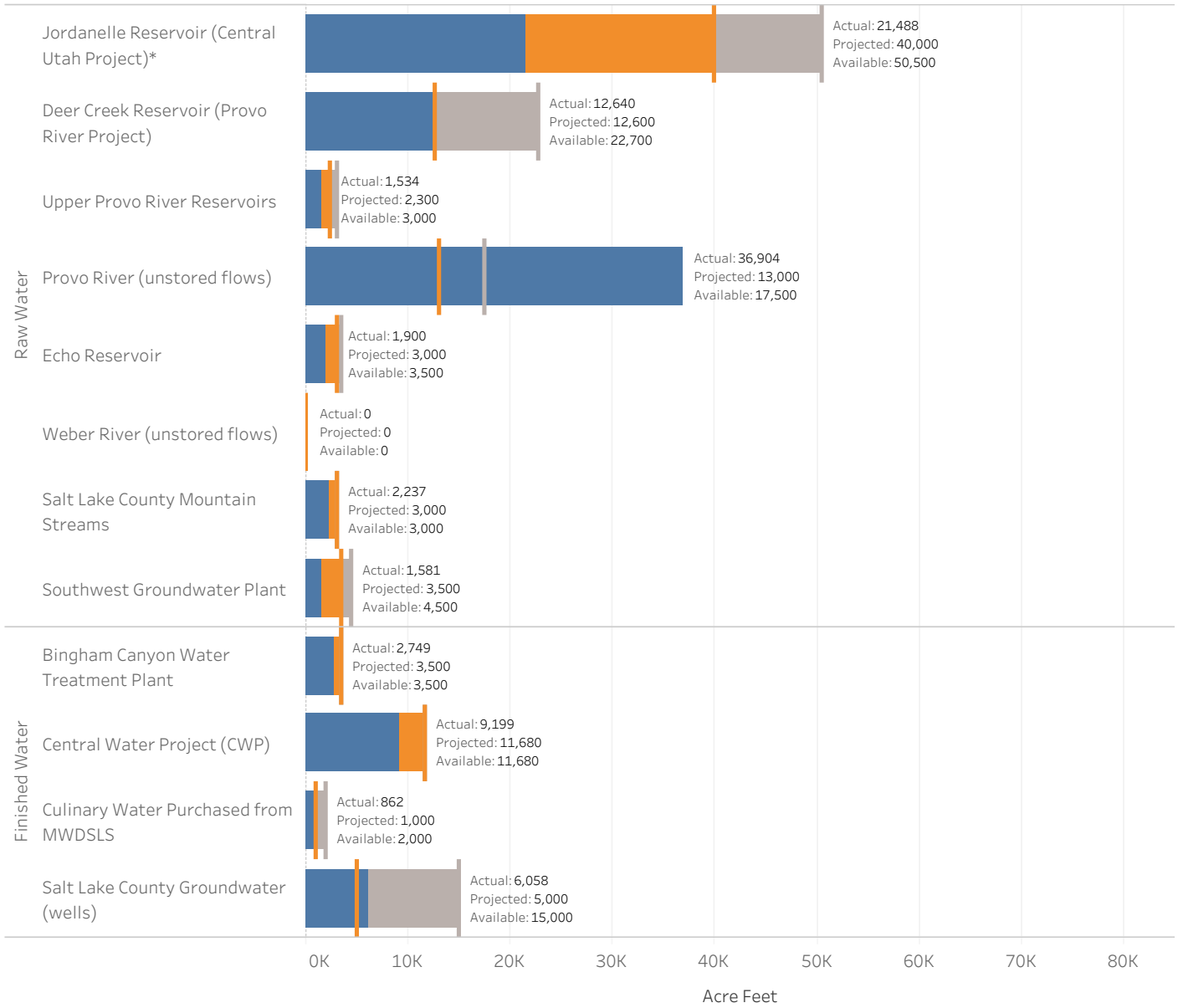
- Actual
- Projected



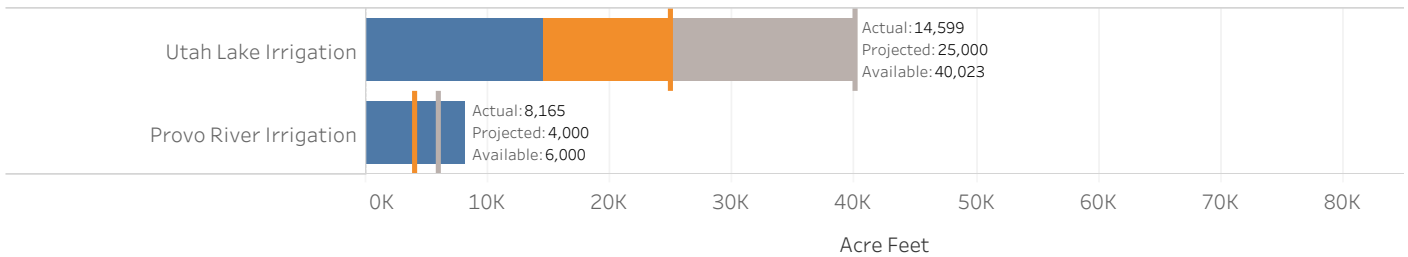
# Jordan Valley Water Conservancy District

M&I Water Sources (September 30, 2023)  
Water Year 2023 (November 1, 2022 - October 31, 2023)

Actual  
Projected  
Available

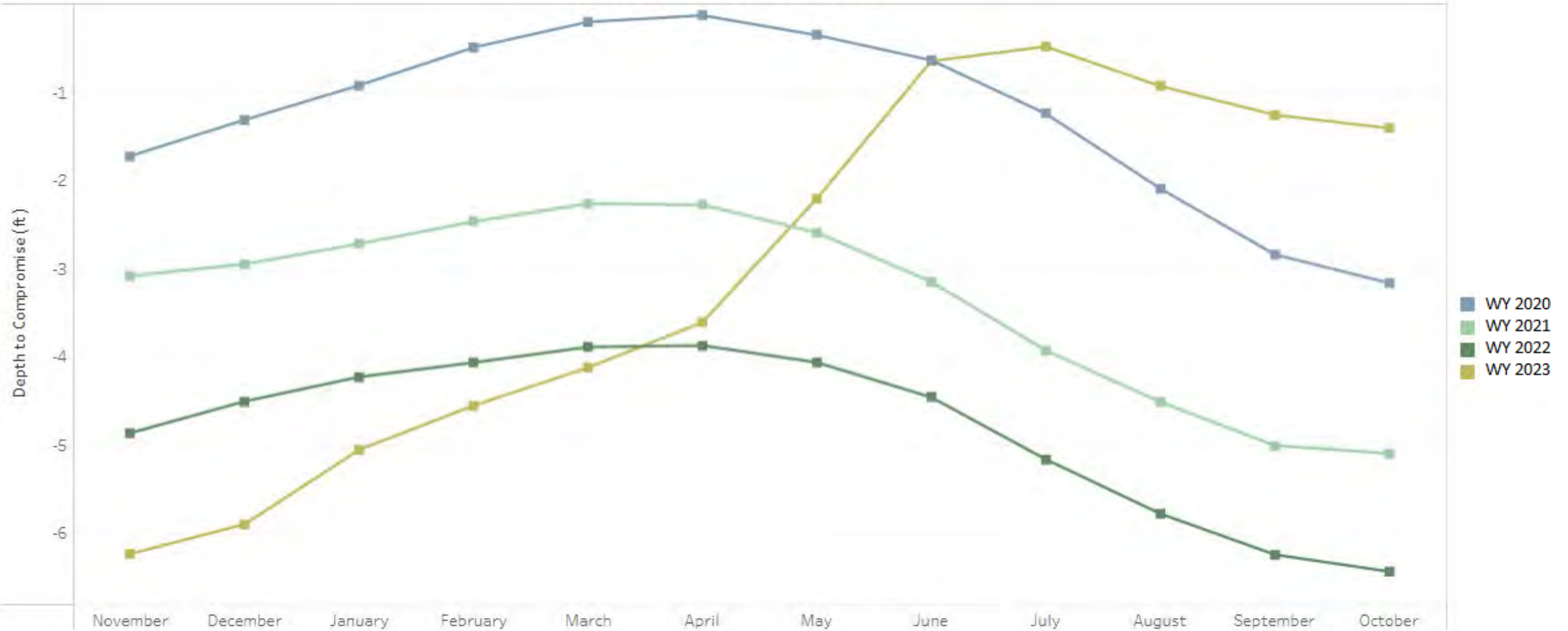


Irrigation Water Sources (September 30, 2023)  
Irrigation Season 2023 (April 15, 2023 - October 15, 2024)



\*Central Utah Project may include holdover water from the previous year.

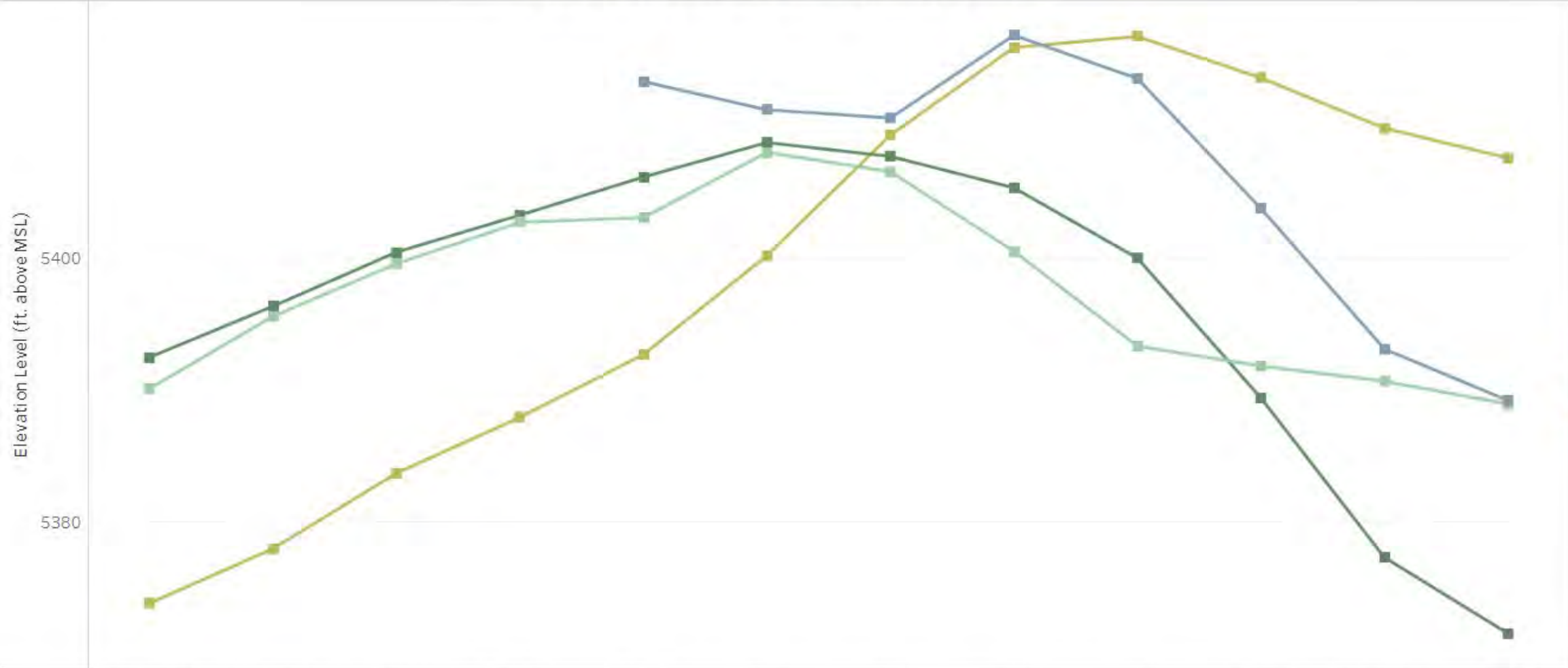
### 5-Year History of Utah Lake Levels



Validated data may not include all 5-years.

	November	December	January	February	March	April	May	June	July	August	September	October
FY 2020	-1.730	-1.320	-0.930	-0.500	-0.211	-0.136	-0.361	-0.646	-1.251	-2.098	-2.845	-3.169
FY 2021	-3.088	-2.955	-2.725	-2.473	-2.270	-2.283	-2.598	-3.154	-3.933	-4.515	-5.009	-5.100
FY 2022	-4.868	-4.509	-4.233	-4.070	-3.894	-3.877	-4.068	-4.464	-5.166	-5.782	-6.245	-6.438
FY 2023	-6.237	-5.901	-5.058	-4.557	-4.127	-3.613	-2.212	-0.655	-0.490	-0.938	-1.264	-1.416

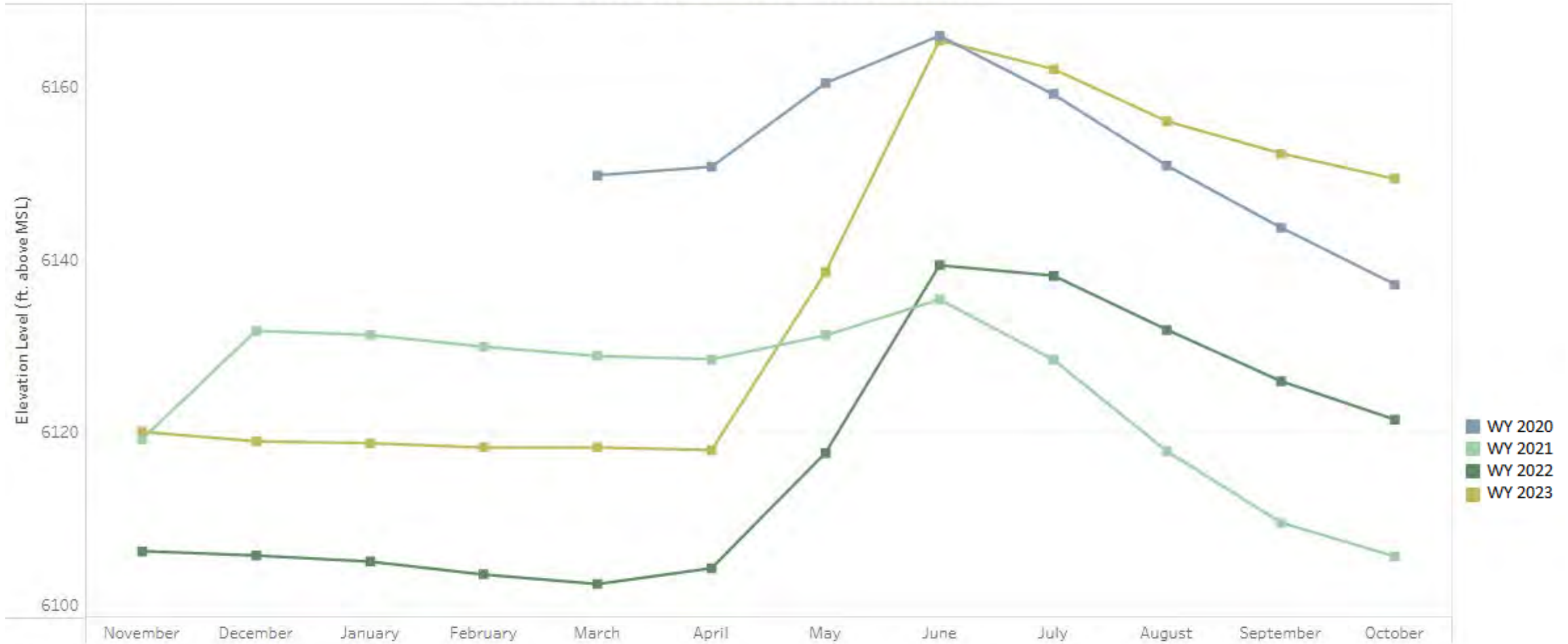
### 5-Year History of Deer Creek Reservoir Levels



Validated data may not include all 5-years.

	November	December	January	February	March	April	May	June	July	August	September	October
FY 2020					5,413.32	5,411.18	5,410.56	5,416.83	5,413.55	5,403.70	5,393.03	5,389.12
FY 2021	5,390.03	5,395.51	5,399.50	5,402.64	5,403.00	5,407.95	5,406.48	5,400.45	5,393.25	5,391.74	5,390.58	5,388.86
FY 2022	5,392.40	5,396.27	5,400.38	5,403.19	5,406.08	5,408.69	5,407.64	5,405.26	5,399.92	5,389.31	5,377.22	5,371.44
FY 2023	5,373.73	5,377.87	5,383.61	5,387.85	5,392.60	5,400.12	5,409.26	5,415.91	5,416.75	5,413.60	5,409.78	5,407.53

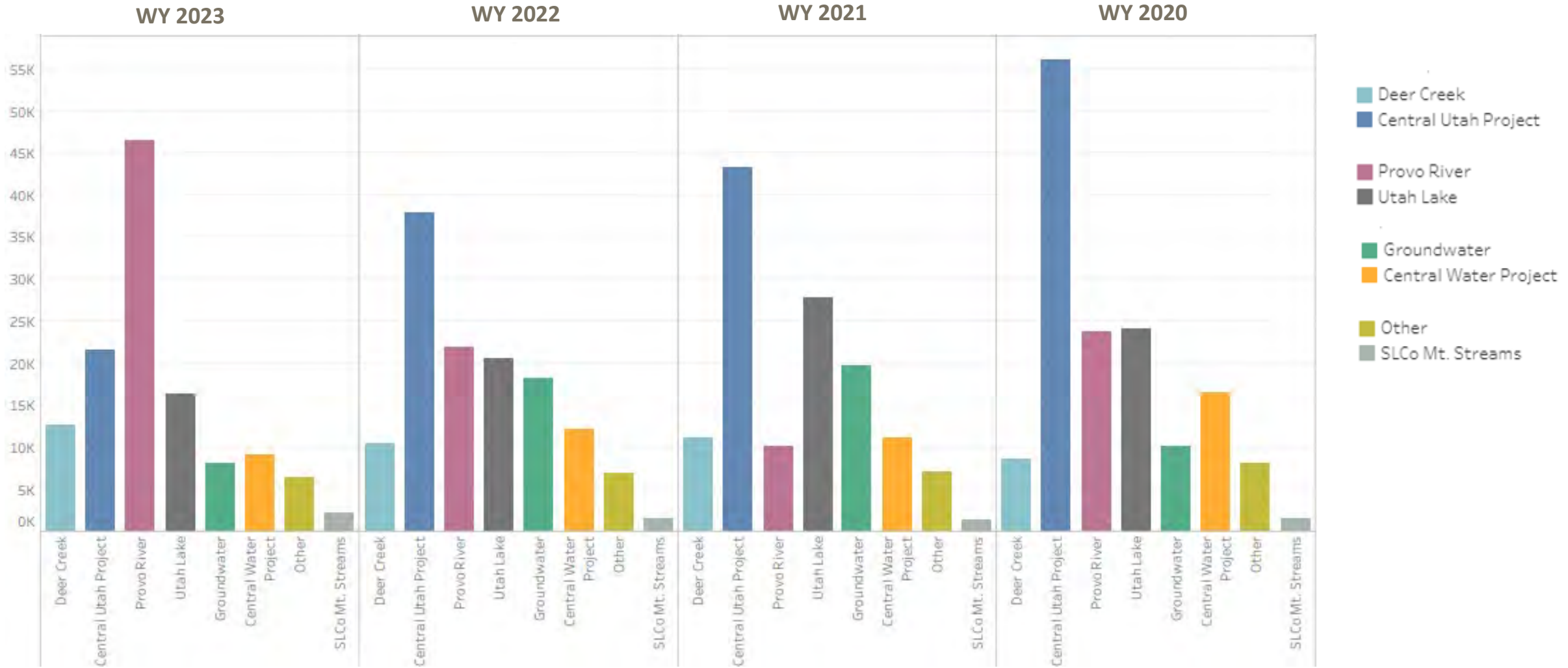
### 5-Year History of Jordanelle Reservoir Levels



Validated data may not include all 5-years.

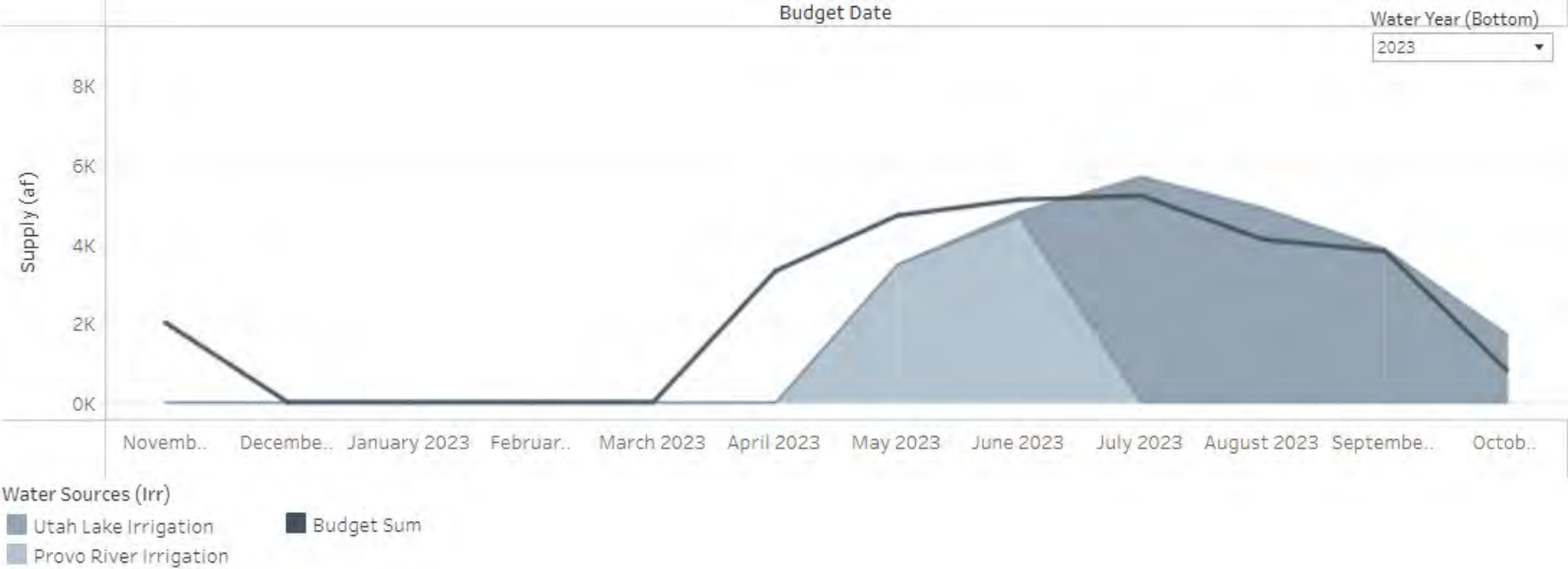
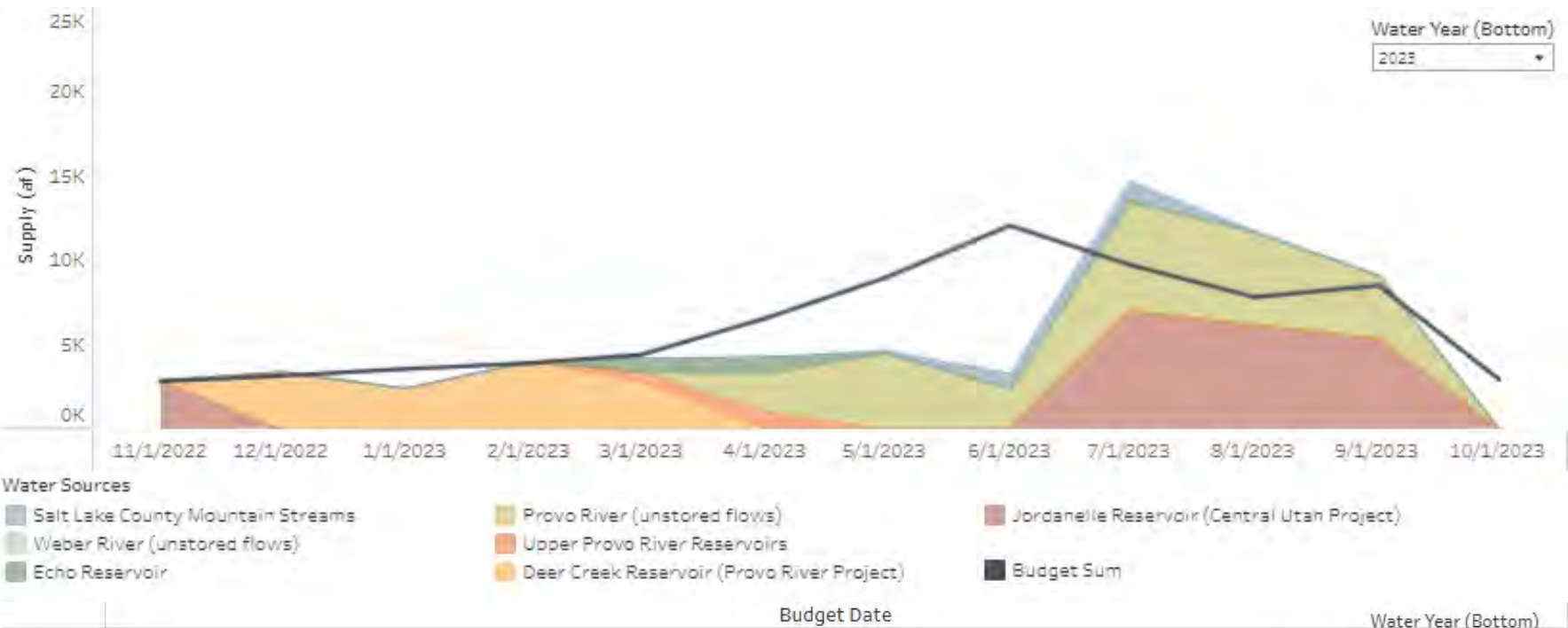
	November	December	January	February	March	April	May	June	July	August	September	October
FY 2020					6,149.71	6,150.69	6,160.38	6,165.87	6,159.08	6,150.80	6,143.63	6,137.05
FY 2021	6,119.11	6,131.67	6,131.19	6,129.82	6,128.74	6,128.37	6,131.13	6,135.30	6,128.32	6,117.69	6,109.43	6,105.50
FY 2022	6,106.13	6,105.62	6,104.92	6,103.41	6,102.31	6,104.15	6,117.54	6,139.26	6,138.06	6,131.78	6,125.82	6,121.38
FY 2023	6,119.95	6,118.86	6,118.64	6,118.13	6,118.15	6,117.85	6,138.47	6,165.34	6,162.02	6,155.94	6,152.23	6,149.28

# 5-Year History of Water Source Supplies



## 5-Year History of Water Source Supplies

Water Sources	WY 2023	WY 2022	WY 2021	WY 2020
Deer Creek	12,640	10,521	11,055	8,666
Central Utah Project	21,488	37,868	43,338	56,038
Provo River	36,904	21,891	10,068	23,675
Utah Lake	14,599	20,517	27,705	24,170
SL Co Groundwater	6,246	16,019	17,342	7,722
Central Water Project	9,199	12,177	1,167	16,529
Other	6,183	6,834	7,133	8,091
Mt. Streams	2,237	1,569	1,381	1,537







**JORDAN VALLEY WATER**  
CONSERVANCY DISTRICT

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*Delivering Quality Every Day<sup>®</sup>*

# **WATER QUALITY UPDATE**

# SUMMARY OF OPERATIONS

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Fiscal Year 2023



**JORDAN VALLEY WATER**  
CONSERVANCY DISTRICT

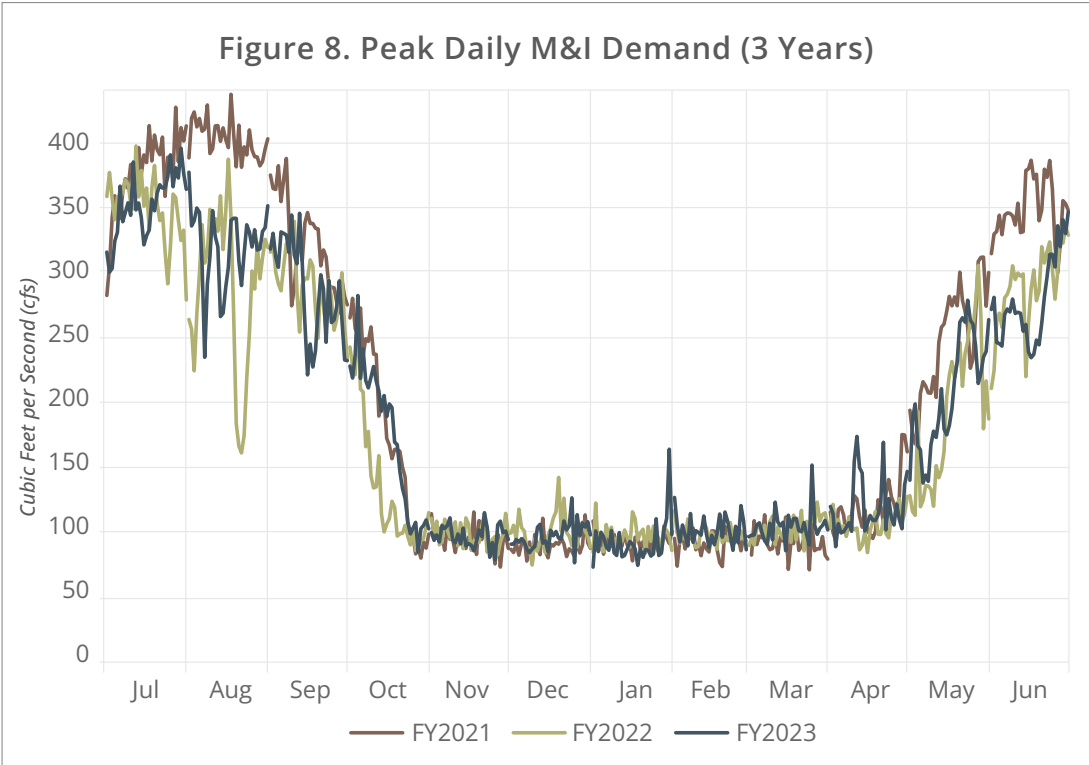
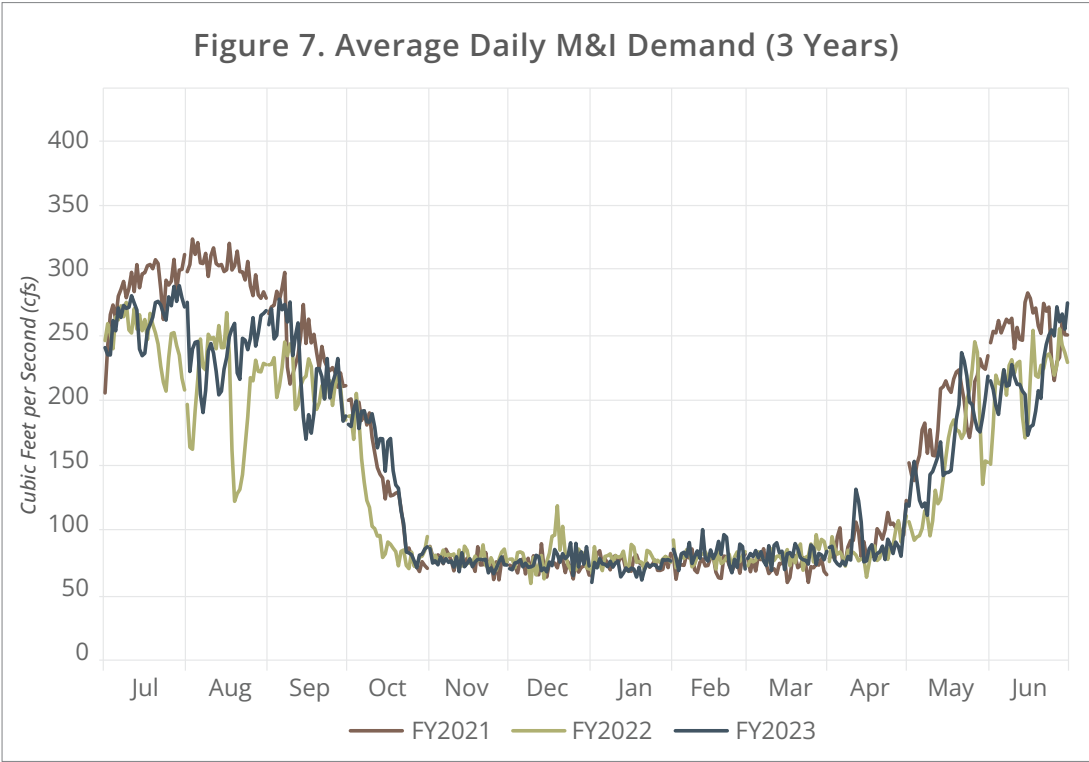


# Operations



# Wholesale Deliveries

Contract deliveries are made to JWCD's 17 wholesale member agencies. Figures 7 and 8 show the average and peak daily Municipal and Industrial (M&I) demand for the past three fiscal years in cubic feet per second (cfs).



# Groundwater

Runoff water from the Wasatch Mountains is captured and stored naturally in the underground aquifer. Jordan Valley Water extracts this groundwater through the operation of multiple wells primarily located in the southeast portion of Salt Lake Valley. Groundwater accounts for about 10% of our total supply and is most heavily utilized to supplement our surface water sources in the summer when demands are high and during drought periods and surface water sources need to be preserved. Figure 36 shows a breakdown of groundwater production by location for fiscal year 2023 and a comparison of totals for the past three fiscal years.

**Figure 36. Groundwater Well Production (FY2023 and 3 Years)**

Location	Design Capacity (cfs)	Well Setting Level (ft)	Emergency Back-up Capacity (cfs)	Avg. Flow Rate (cfs)	Days Operated	Annual Production (AF)			Total Power Cost	Avg. Cost/AF	Water Level (ft Above Pump)		
						FY2023	FY2022	FY2021			Max	Min	Avg
275 E. Carol Way	2.9	460	-	0.0	0	0	352	33	\$5,674	\$0	365	307	340
300 E. 4500 S.	0.7	200	-	0.0	0	0	0	0	\$0	\$0	-	-	-
1028 E. College Dr.	4.0	400	-	0.0	0	0	261	208	\$3,139	\$0	361	0	158
1155 E. Webster Dr.	6.5	465	-	0.0	0	0	0	1,094	\$4,108	\$0	180	131	160
1159 E. 4500 S. <sup>1</sup>	2.2	282	-	1.2	74	183	22	142	\$11,972	\$65	260	29	199
1200 E. 9400 S.	1.8	480	-	0.0	0	0	0	0	\$1,696	\$0	249	68	155
1307 E. 6860 S.	4.7	322	-	4.8	137	1,303	746	965	\$55,788	\$43	191	31	131
1364 E. 6400 S.	6.0	265	6	2.6	40	208	1,372	105	\$25,528	\$123	347	36	171
1500 E. 9400 S. <sup>1</sup>	9.5	640	-	9.0	82	1,459	2,560	533	\$128,745	\$88	182	76	150
1526 E. 8600 S.	8.5	580	-	8.5	74	1,252	1,545	506	\$129,244	\$103	198	35	152
1530 W. 14600 S.	4.5	150	-	3.8	19	143	86	0	\$11,408	\$80	149	86	144
1600 E. Siesta Dr. <sup>1</sup>	9.6	422	-	7.3	107	1,551	1,579	382	\$132,525	\$85	218	38	159
1784 E. Creek Rd.	7.1	700	-	7.1	123	1,721	1,121	1,963	\$146,091	\$85	406	114	317
1787 E. Creek Rd.	5.0	177	-	0.0	0	0	0	0	\$2,134	\$0	160	157	160
1850 E. Newbury Dr.	8.9	620	8.9	6.1	58	699	1,219	837	\$68,669	\$98	251	111	225
2090 E. 8600 S.	2.5	520	-	0.0	0	0	0	0	\$4,816	\$0	173	70	106

( - ) Indicates not applicable or data not available

1. Corresponds to the wells in Figure 41. Aquifer Recovery Levels.

# Groundwater (Cont.)

Location	Design Capacity (cfs)	Well Setting Level (ft)	Emergency Back-up Capacity (cfs)	Avg. Flow Rate (cfs)	Days Operated	Annual Production (AF)			Total Power Cost	Avg. Cost/AF	Water Level (ft Above Pump)		
						FY2023	FY2022	FY2021			Max	Min	Avg
2300 E. 9800 S	4.1	760	-	0.0	0	0	0	0	\$6,053	\$0	161	161	161
2400 E. Creek Rd.	2.8	440	-	2.3	139	623	536	380	\$21,543	\$35	95	58	80
4670 S. 1590 E.	3.8	450	-	1.9	12	46	0	168	\$7,298	\$158	437	1	392
7700 S. 700 E. <sup>1</sup>	5.6	375	-	3.9	82	628	0	0	\$47,154	\$75	269	87	190
7750 S. 1000 E.	3.1	401	-	1.7	31	106	240	23	\$9,617	\$91	231	0	170
7751 S. 1300 E	4.0	402	-	0.0	0	0	243	0	\$979	\$0	175	86	136
8148 S. 1330 E.	7.0	505	-	6.7	104	1,392	885	1,073	\$126,987	\$91	251	42	180
8200 S. 1000 E	2.0	356	-	0.0	0	0	0	0	\$188	\$0	197	121	167
8201 S. 700 E.	2.2	444	-	2.0	24	98	474	299	\$3,449	\$35	270	60	236
8518 S. 960 E.	6.0	460	-	4.4	57	497	391	0	\$62,484	\$126	255	24	209
8578 S. Monitor Dr.	8.0	530	8	0.0	0	0	1,264	1,042	\$6,680	\$0	180	117	155
8651 S. 1300 E.	4.0	550	-	0.0	0	0	0	0	\$170	\$0	170	170	170
9003 S. Quail Hollow	2.2	800	-	2.0	62	241	442	414	\$25,965	\$108	213	32	176
9125 S. 500 West	2.0	150	-	0.0	0	0	0	0	\$1,655	\$0	-	-	-
9390 S. Solena Way	4.8	635	-	4.1	71	582	885	52	\$51,188	\$88	126	52	106
Prison Well <sup>2</sup>	0.9	-	-	0.5	15	15	65	122	\$0	\$0	-	-	-
<b>Totals</b>	<b>146.0</b>					<b>12,733</b>	<b>16,225</b>	<b>10,218</b>	<b>\$1,102,949</b>	<b>\$1,577</b>			

2. Owned by the Utah Department of Facilities & Construction Management (not included in Totals and Averages). Power costs paid by the Utah Department of Facilities & Construction Management.

# Treatment Facilities

The Treatment Division staff ensures our surface water sources are treated to not only meet State and Federal regulations, but also Jordan Valley Water’s more stringent water quality goals. Figure 11 summarizes the capacity of our three treatment facilities and the production and cost for fiscal year 2023.

**Figure 11. JWCD Treatment Capacity and Production**

	JWTP	SERWTP	SWGTP	TOTALS
<b>General Information</b>				
Rated capacity (MGD)	180.0	20.0	7.0	207.0
Capacity using standby power (MGD)	180.0	20.0	0.0	200.0
Maximum daily effluent flow (MGD)	133.6	19.8	2.8	156.2
Average daily flow during operation (MGD)	52.1	9.5	2.4	64.0
Percent of fiscal year in operation (%)	93.4	86.0	76.0	N/A
<b>Plant Production</b>				
Total volume into plant (AF)	66,751	10,651	3,107	<b>80,509</b>
Plant use and loss (AF)	306	409	1,296	<b>2,011</b>
Total volume into distribution (AF)	<b>66,445</b>	<b>10,238</b>	<b>1,911</b>	<b>82,520</b>
<b>Direct Treatment O&amp;M Costs</b>				
Chemicals	\$1,663,999	\$353,500	\$117,838	\$2,135,336
Utilities	\$361,394	\$131,001	\$265,547	\$757,942
Personnel	\$2,576,278	\$660,547	\$265,996	\$3,502,820
Other Expenses	\$101,582	\$67,163	\$143,146	\$311,890
<b>Plant Totals</b>	<b>\$4,703,253</b>	<b>\$1,212,211</b>	<b>\$792,527</b>	<b>\$6,707,988</b>
<b>Treatment O&amp;M cost per acre-foot delivered to distribution system</b>	<b>\$70</b>	<b>\$110</b>	<b>\$180</b>	<b>\$81</b>





# Water Quality

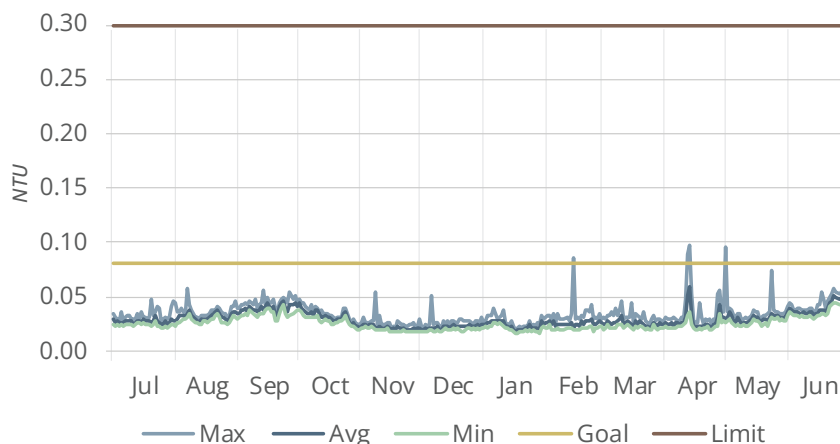


# Turbidity

Current regulations for surface water require combined effluent turbidity to be below 0.3 Nephelometric turbidity units (NTU) 95% of the time, and never exceed 1.0 NTU. There are also requirements for individual filters. The Partnership for Safe Water has set a finished water turbidity goal of 0.1 NTU. JWVCD has adopted even more stringent goals.

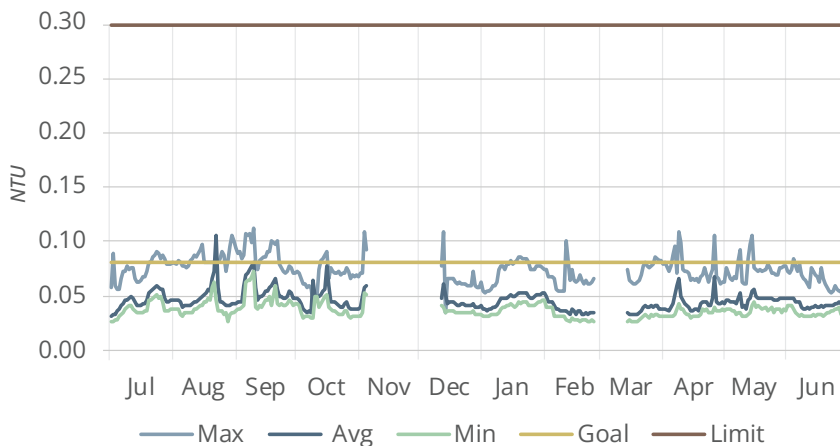
**Figure 15.**  
**JVWTP Turbidity**

Max: 0.097  
 Average: 0.03  
 Min: 0.016  
 Goal Achieved: 98.90%  
 Record for consecutive days in operation below 0.08 NTU: 228  
 Current days of operation below 0.08 NTU: 148



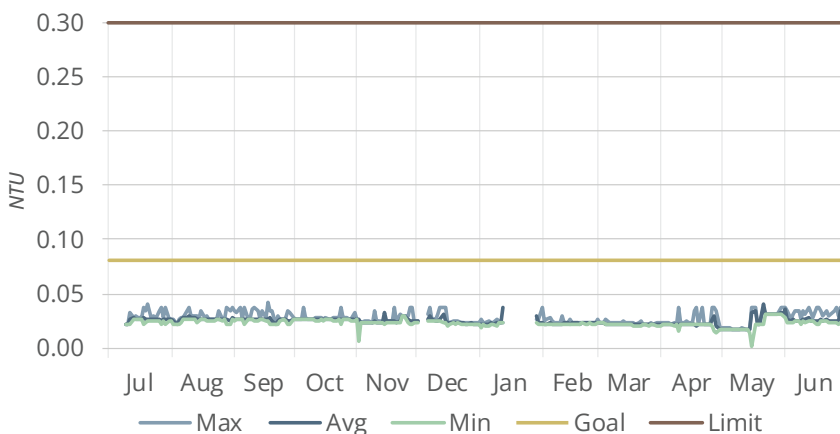
**Figure 16.**  
**SERWTP Turbidity**

Max: 0.113  
 Average: 0.046  
 Min: 0.025  
 Goal Achieved: 95.36%  
 Record for consecutive days in operation below 0.08 NTU: 732  
 Current days of operation below 0.08 NTU: 298



**Figure 17.**  
**SWGWTP Turbidity<sup>1</sup>**

Max: 0.923  
 Average: 0.024  
 Min: 0.001  
 Goal Achieved: 87%  
 Record for consecutive days in operation below 0.08 NTU: 164 days  
 Current days of operation below 0.08 NTU: 7 days



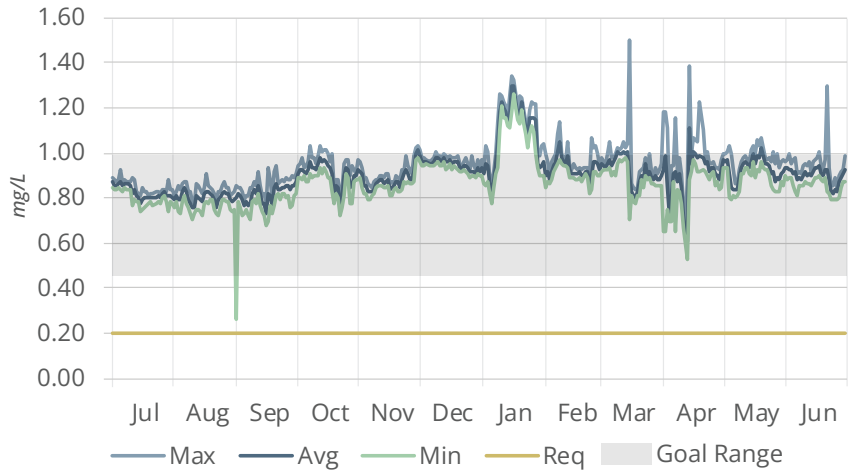
1. SWGWTP does not currently treat surface water or groundwater under the influence of surface water, so turbidity requirements are less stringent than for JWVTP and SERWTP that do. This graph is shown for comparison purposes.

# Chlorine Disinfection

The presence of chlorine residual in drinking water indicates that enough chlorine was added to the water to inactivate harmful bacteria and viruses. The residual also shows the water is protected from recontamination in the distribution system. While minimizing the chlorine concentration leaving the treatment plants helps control DBPs, it must be high enough to maintain a concentration of 0.2 mg/L throughout the distribution system.

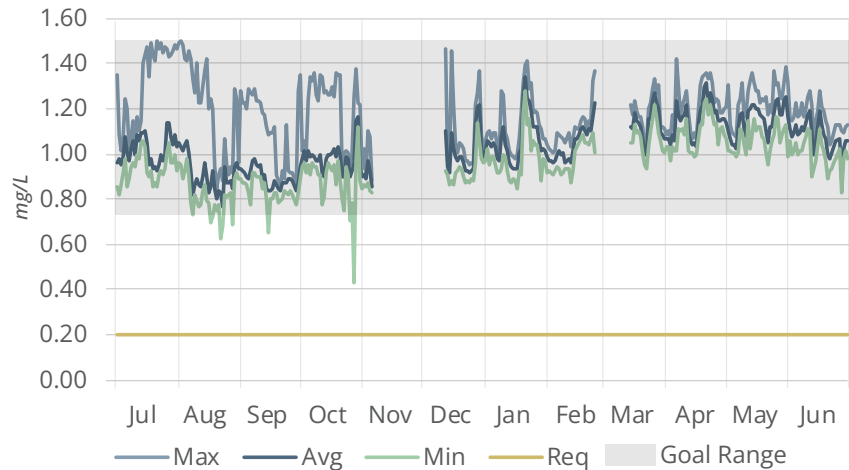
**Figure 18.**  
**JVWTP CL Residual**

Maximum residual: 1.50 mg/L  
Average residual: 0.90 mg/L  
Minimum residual: 0.27 mg/L  
Goal achieved: 81.10%



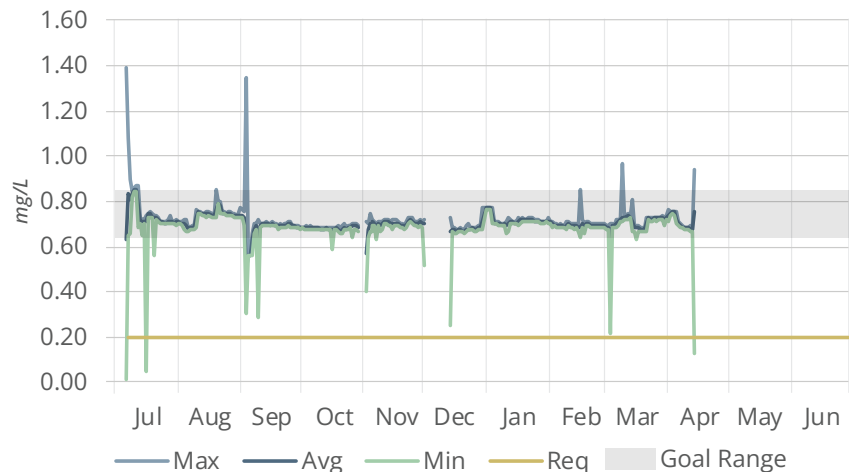
**Figure 19.**  
**SERWTP CL Residual**

Maximum residual: 1.50 mg/L  
Average residual: 1.03 mg/L  
Minimum residual: 0.62 mg/L  
Goal achieved: 96%



**Figure 20.**  
**SWGWTP CL Residual**

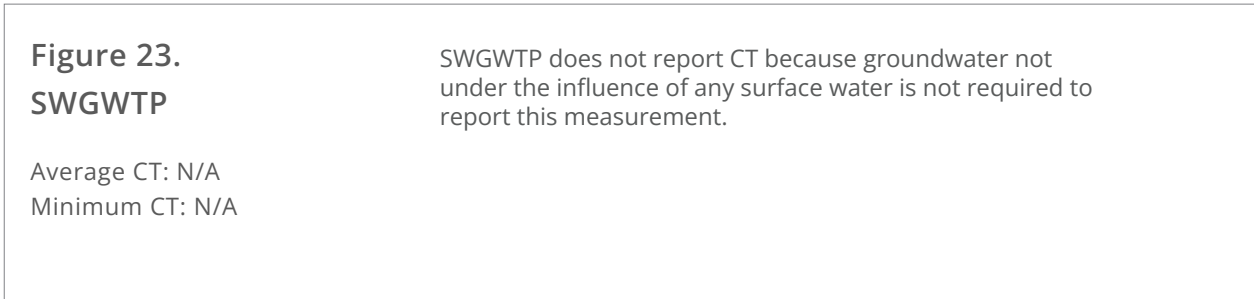
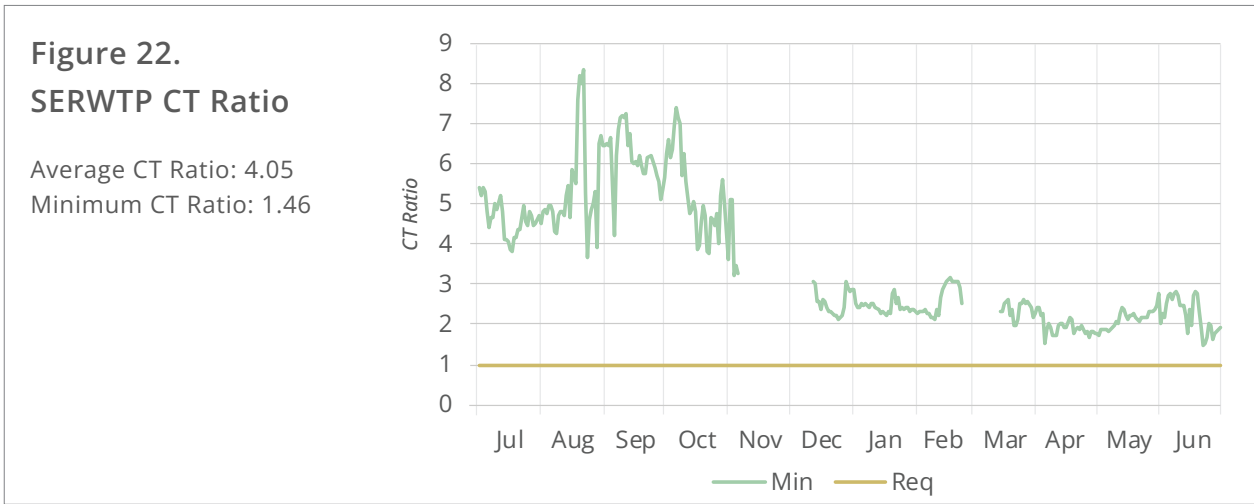
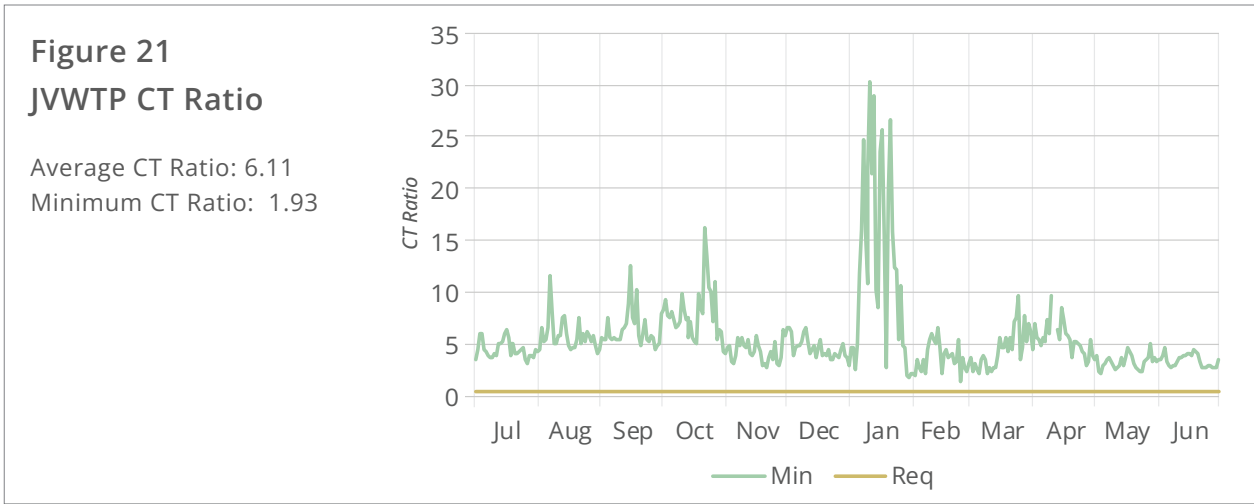
Maximum residual: 1.39 mg/L  
Average residual: 0.70 mg/L  
Minimum residual: 0.02 mg/L<sup>1</sup>  
Goal achieved: 97%



1. SWGWTP does not run continuously. The min value reflects the times the plant was put online.

# Minimum CT Ratio

A CT value is the product of the concentration of chlorine and the contact time with the water. It is a measure of disinfection effectiveness which varies with water temperature, pH and disinfectant. Current regulations require sufficient CT to achieve 99.9% inactivation of Giardia and 99.99% inactivation of viruses. Compliance is determined by a CT ratio which compares the amount of CT achieved to the amount required. Any CT ratio above 1.0 meets regulations. Figures 21 and 22 show the minimum CT ratios at JWTP and SERWTP.

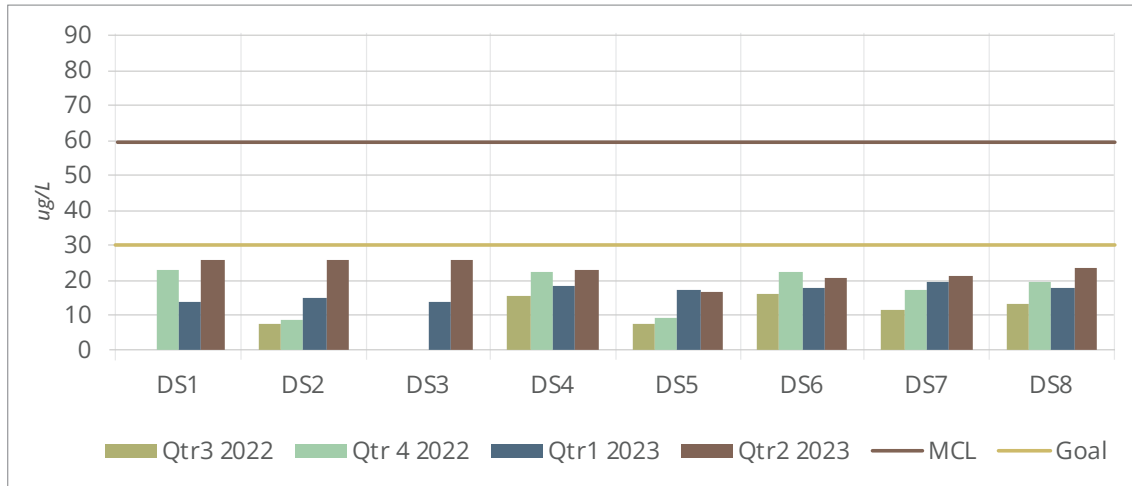


# Disinfection By-Products

Disinfection by-products (DBPs) are compounds resulting from chemical reactions between organic and inorganic substances in water during water disinfection processes. DBP compliance is based on samples taken at points in the distribution system that represent where the highest level of DBPs are likely to occur. Figures 24 and 25 show the HHAs and THMs for the four quarters of fiscal year 2023 at eight distribution sites.

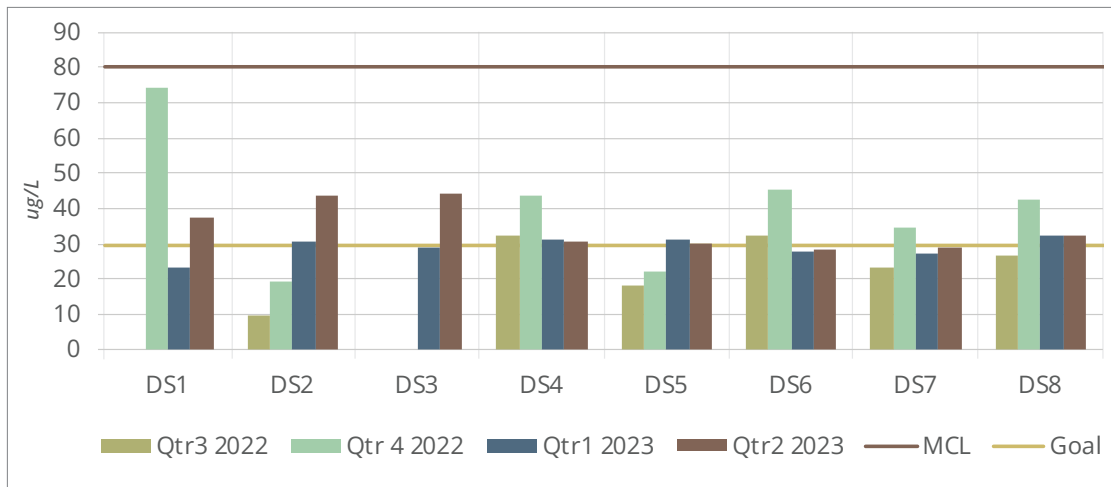
**Figure 24. Compliance HAAs**

Maximum Locational Running Annual Average: 22.0 ug/L



**Figure 25. Compliance THMs**

Maximum Locational Running Annual Average: 35.2 ug/L



**Distribution Sites**

- |                                |                                |
|--------------------------------|--------------------------------|
| DS1- 13800 S. Pony Express Rd. | DS5- 3610 S. 1000 W.           |
| DS2- 700 W. 11400 S.           | DS6- 6000 W. 4700 S.           |
| DS3- 10730 S. 1300 E.          | DS7- 5700 W. 10200 S.          |
| DS4- 3700 W. 2100 S.           | DS8- 13953 S. Lookout Peak Dr. |

# Coliform and Free Chlorine Residual Compliance

Figure 26 summarizes our compliance with the Revised Total Coliform Rule, the Groundwater Rule, and the Surface Water Treatment Rule requirements to maintain a disinfectant residual in the distribution system.

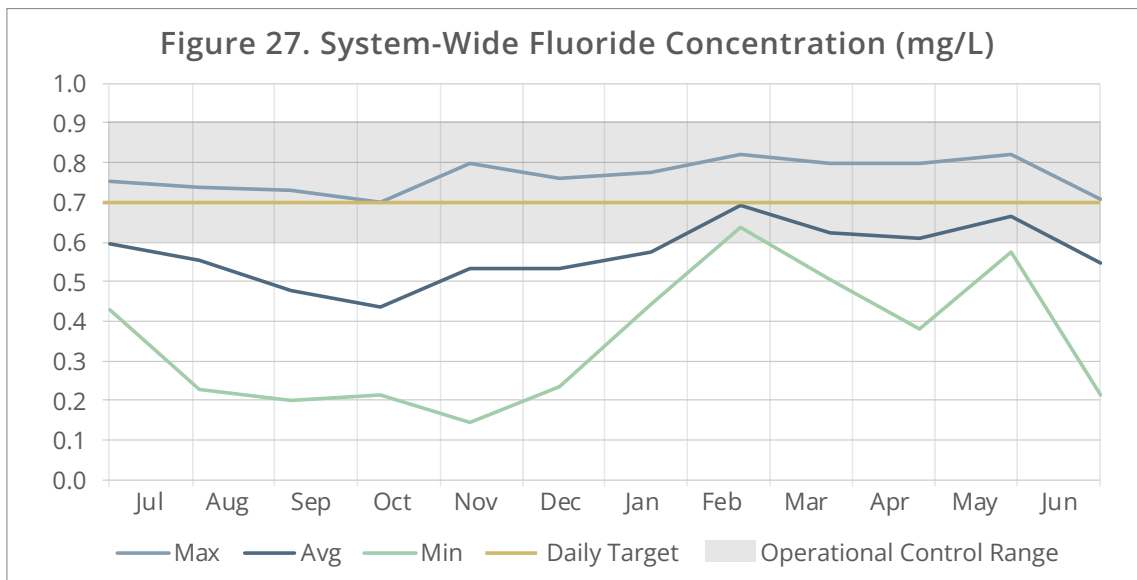
Figure 26. Coliform Samples and Free CL Residual

Month	# of Samples Analyzed <sup>1</sup>	# Total Coliform Positive	# Fecal Coliform Positive	# HPC Samples Taken	# GWR Samples Taken	Free Chlorine Residual (mg/L)		
						Avg.	Max.	Min.
July	118	0	0	3	0	0.74	1.16	0.00
August	131	0	0	0	0	0.63	1.00	0.14
September	124	0	0	1	0	0.66	1.11	0.22
October	122	0	0	3	5	0.71	1.12	0.04
November	102	0	0	0	0	0.67	1.02	0.14
December	100	0	0	2	0	0.70	1.09	0.04
January	119	0	0	0	0	0.80	1.50	0.17
February	110	0	0	0	0	0.78	1.13	0.12
March	115	0	0	0	0	0.74	1.27	0.19
April	110	0	0	0	0	0.78	1.35	0.23
May	111	0	0	0	0	0.83	1.34	0.17
June	107	0	0	1	0	0.75	1.30	0.02
<b>Totals</b>	<b>1369</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>5</b>			

1. Number of samples collected and tested depends on the population served.

## Fluoride

Fluoride is regulated county-wide by Salt Lake Valley Health Department. Compliance is based on a system-wide annual average with a daily average target of 0.7 mg/L staying within the Operational Control Range of 0.6-0.9 mg/L.



# Total Samples Collected

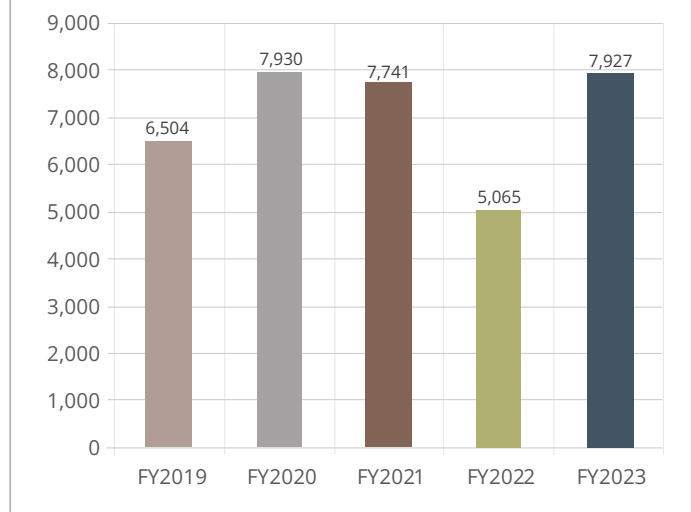
Sampling sites include JWTP, SERWTP, SWGWTP, distribution system, mountain streams, Jordan and Provo Rivers, and various sites in response to customer calls. Data includes samples collected by Operations and Water Quality Section personnel. Figure 28 shows a breakdown of samples collected in fiscal year 2023. Figure 29 shows annual totals for the past five fiscal years.

**Figure 28. Samples Collected**

Parameter	No. of Samples Collected
Coliform	1,626
Quantitray	17
Giardia/Cryptosporidium	0
Heterotropic Plate Count	10
DBPs	278
Calcium	21
Total Organic Carbon	272
Alkalinity	207
UV 254	286
Inorganics and metals	11
Nitrate	10
Fluoride	769
Hardness, Total	23
Chlorite	36
VOCs	4
Pesticides	13
Color	34
Geosmim and MIB	75
Field Tests	3,673
TDS	215
Sludge	2
Low Level Mercury	14
Radionuclides <sup>1</sup>	4
TSS and Selenium	108
Complete Inorg. Source	145
Pharmaceuticals / PCPs	22
Other <sup>2</sup>	52
<b>Total</b>	<b>7,927</b>

1. Radium 226 and 228, Gross Alpha, Gross Beta  
 2. Nitrite sample for injection activity and sludge sample

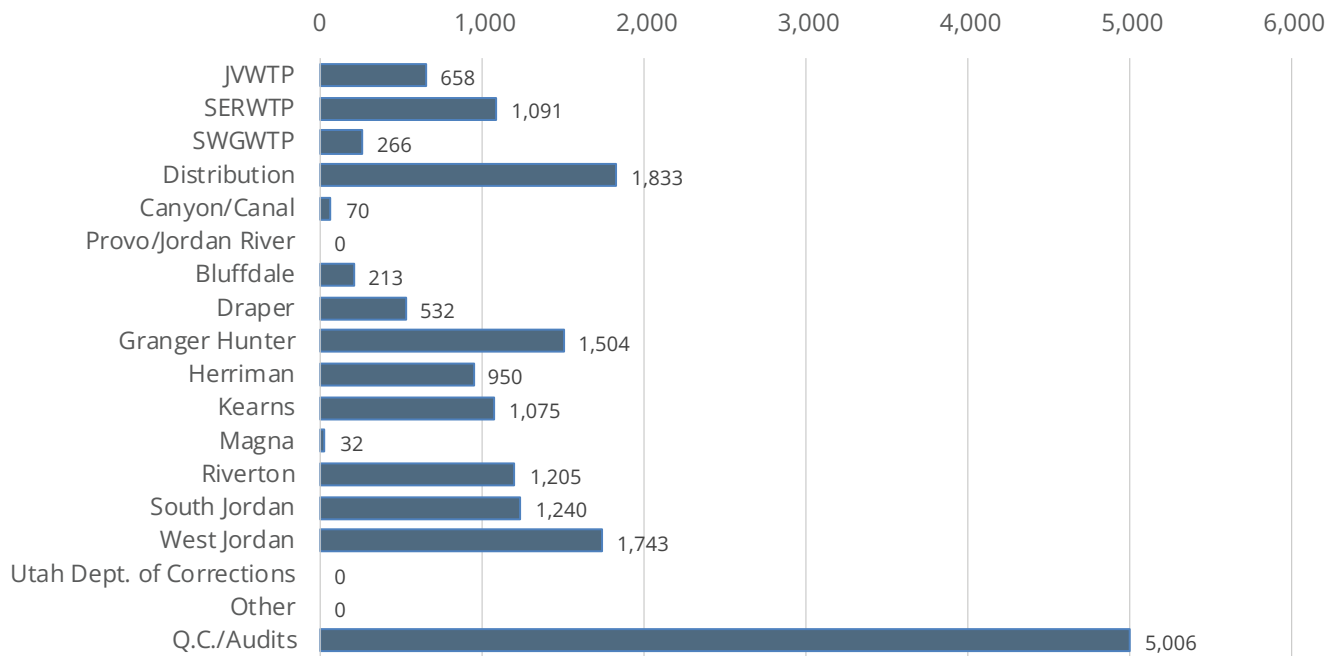
**Figure 29. Samples Collected (5 Year)**



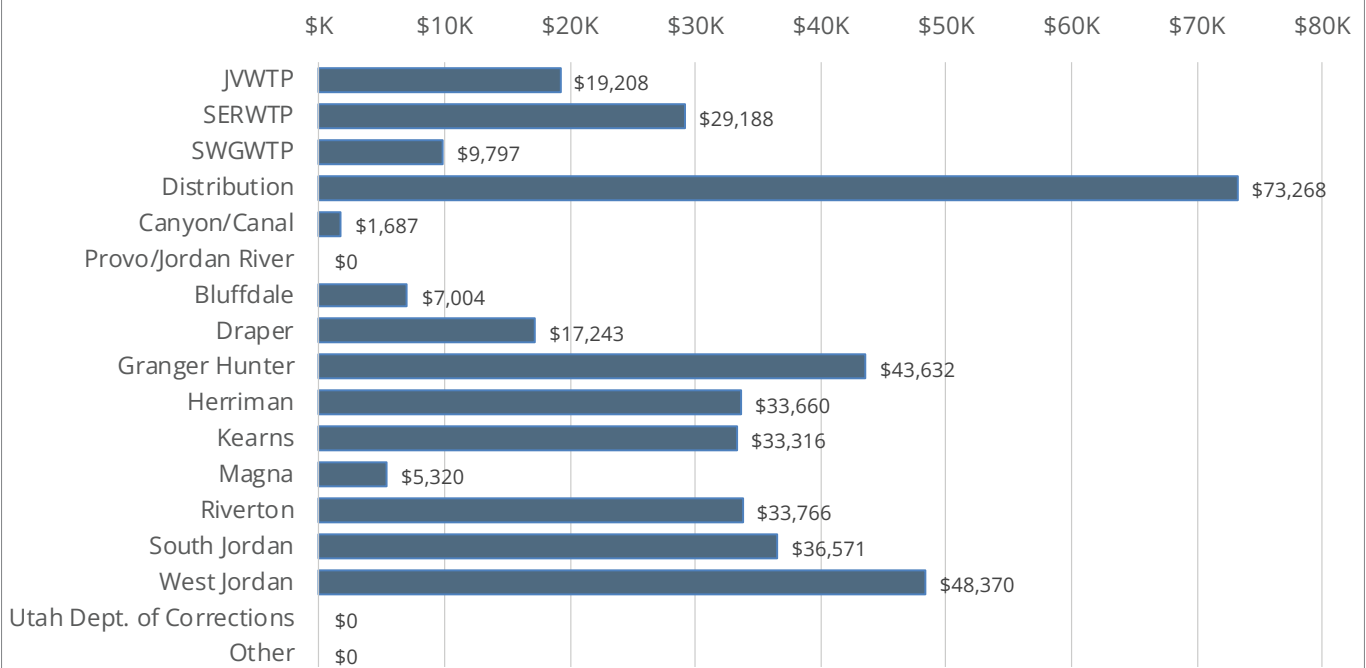
# Jordan Valley Laboratory

The Jordan Valley Laboratory provides analytical services and general support for the District. This allows the District to lower the budget required for outside analysis and provide customized service. The lab also provides analytical services for many of the District's member agencies at discounted prices. Figures 30 and 31 show the number of samples analyzed and their value separated by organization. Figures 32 and 33 show the number of samples analyzed and their value separated by sample type.

**Figure 30. Number of Samples by Organization**



**Figure 31. Cost of Samples by Organization**





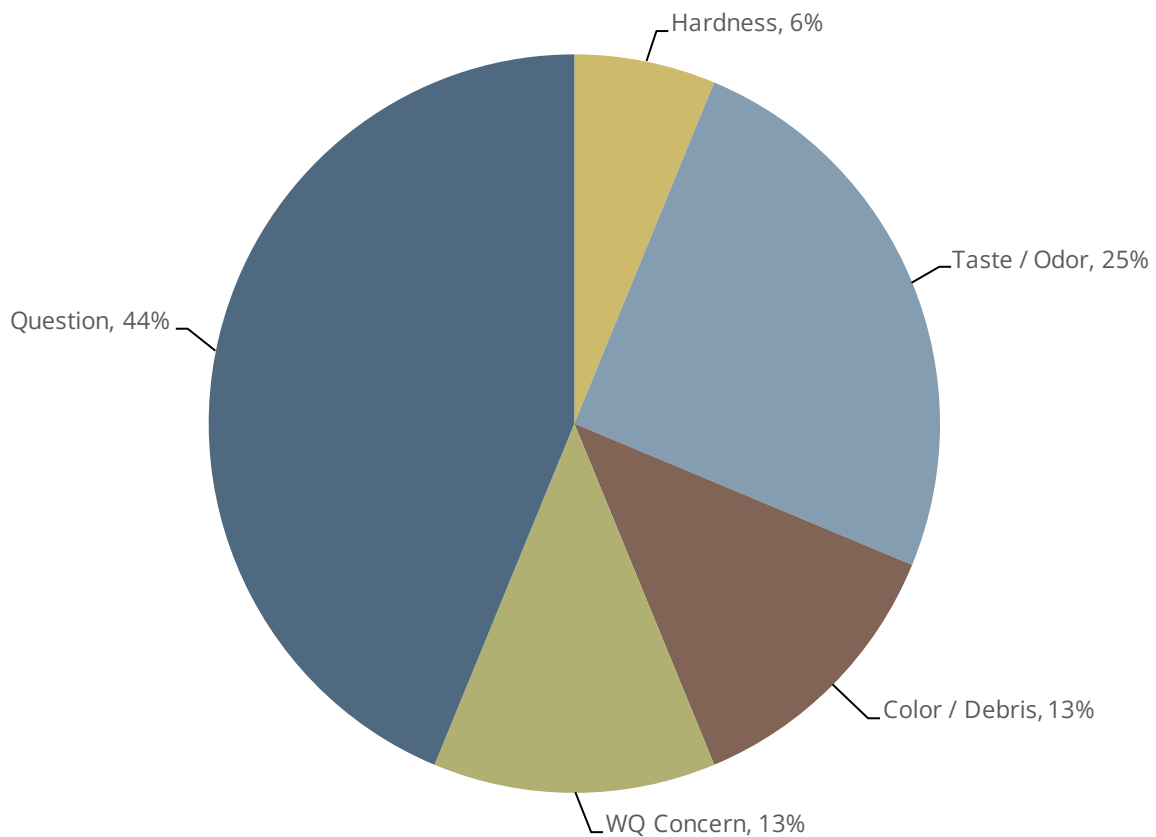
# Water Quality Customer Service

The public perceives water quality as the look, taste and feel of their water. These calls are logged and tracked in a database, which allows us to determine response time and trends. Figures 34 and 35 summarize of the types of calls received.

**Figure 34. Water Quality Calls by Type**

Type of Call	Jul - Sep	Oct - Dec	Jan - Mar	Apr - Jun	Totals
Cross Connection	0	0	0	0	0
Hardness	0	0	1	0	1
Taste/Odor	0	1	3	0	4
Color/Debris	0	1	0	1	2
WQ Concern	0	0	2	0	2
Question	3	2	0	2	7
<b>Total</b>	<b>3</b>	<b>4</b>	<b>6</b>	<b>3</b>	<b>16</b>

**Figure 35. Water Quality Calls by Type (%)**



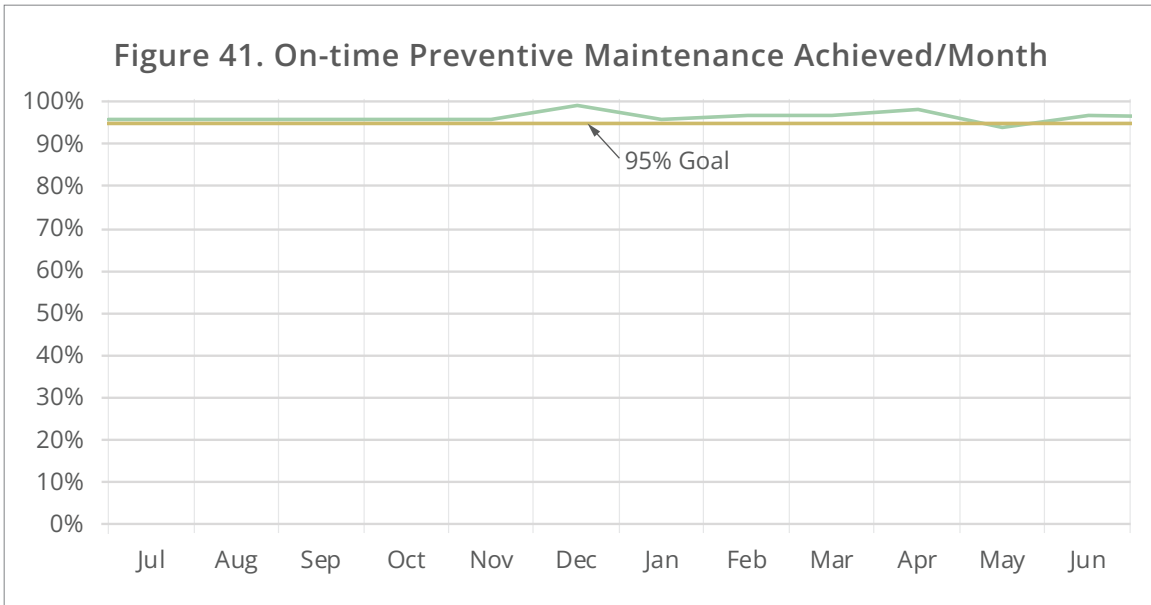


# Maintenance

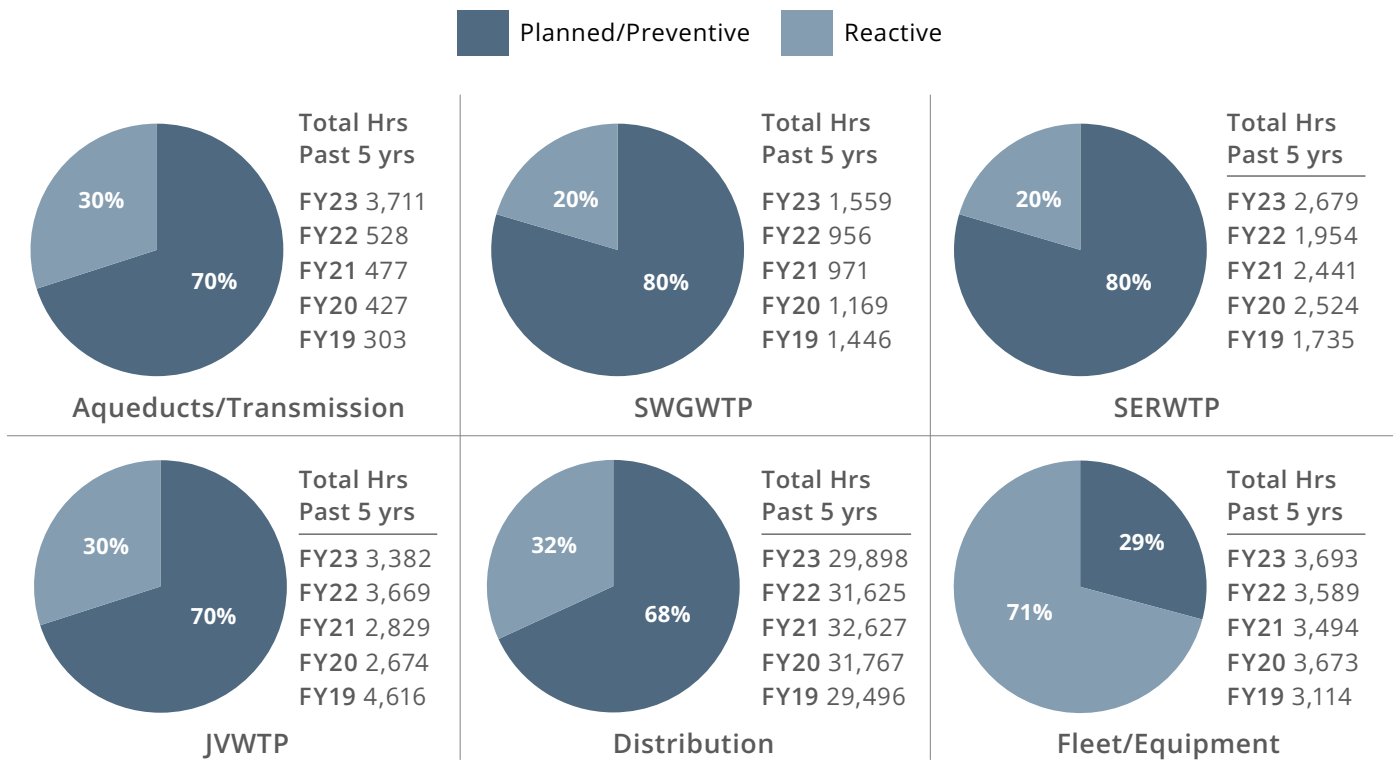


# Preventive vs. Reactive Maintenance

By focusing on planned, predictive, and preventive maintenance (PM), Jordan Valley Water is reducing unscheduled downtime and avoidable failures that significantly increase costs and reduce reliability of equipment and services. Part of this effort is to ensure staff follow all manufacturer recommended PM programs and complete this critical work on time: within 30 days of the assigned due date. The District schedules and tracks all its PM and has a goal of completing at least 95% of this work on time.



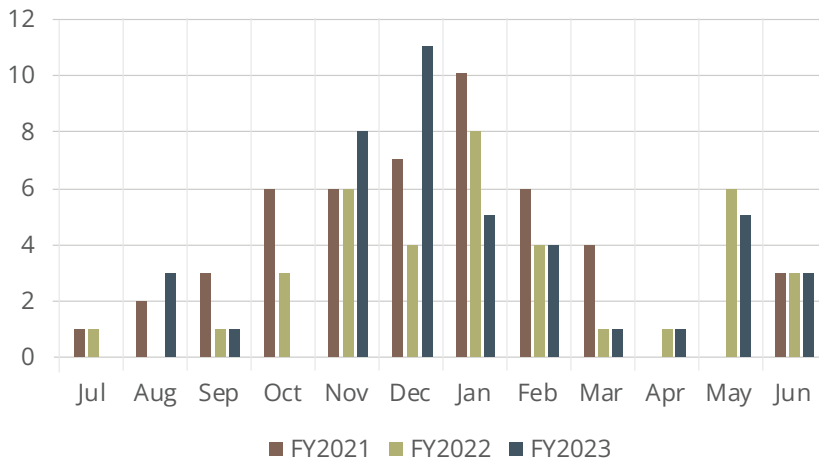
**Figure 42. Planned/Preventive vs Reactive Maint. Work Orders**



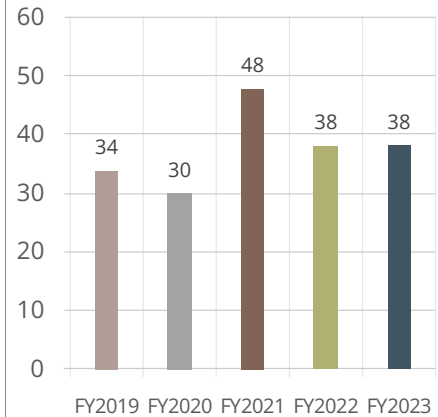
# Mainline Breaks

Jordan Valley Water works hard to maintain, rehabilitate, or replace distribution and transmission pipelines as necessary to maintain a high level of water service and system reliability while still achieving a full, useful life of every water main. A goal, as seen in Figure 47, has been set to reduce and keep the number of breaks incurred each year to a more manageable/acceptable level.

**Figure 45. Mainline Breaks/Month (3 Years)**



**Figure 46. Mainline Breaks/Year (5 Years)**



**Figure 47. Mainline Break Trend (20 Years)**



Notes:

a) US and Canada average break rate applied to District's system = 47 breaks per year [Comprehensive Main Break Rate Study, Folkman, 2018].

b) AWWA 2019 Benchmarking Report National median break rate applied to District's system = 30 breaks per year.

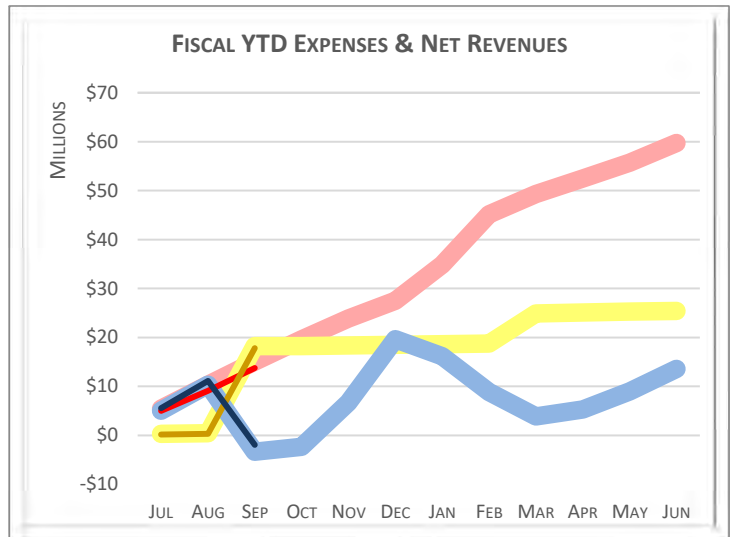
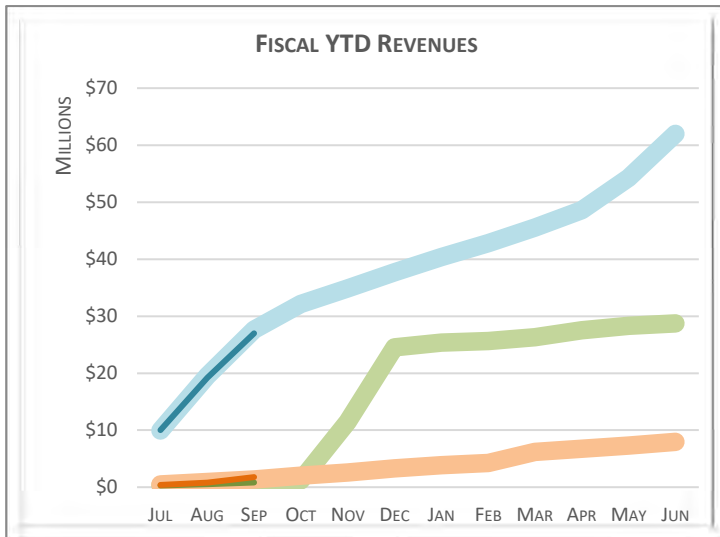
# **STANDING COMMITTEE REPORTS**

# **FINANCE UPDATE**

**JORDAN VALLEY WATER CONSERVANCY DISTRICT**  
**FINANCIAL REPORT SUMMARY – SEPTEMBER 2023**

**MONTHLY AND YEAR-TO-DATE OPERATING SUMMARY**

	Legend	SEPTEMBER 2023	FY 23/24 Y-T-D	FY 23/24 BUDGET
<b>REVENUES</b>				
Water Sales Revenue	<span style="color: #00A0C0;">—</span>	\$ 7,791,653	\$ 26,992,948	\$ 61,980,076
Property Tax Revenue	<span style="color: #6B8E23;">—</span>	285,093	825,141	28,731,637
All Other Revenue	<span style="color: #E67E22;">—</span>	987,804	1,766,524	7,953,800
		<b>9,064,550</b>	<b>29,584,612</b>	<b>98,665,513</b>
<b>EXPENSES</b>				
Operating Expenses	<span style="color: #E74C3C;">—</span>	4,629,228	13,743,351	59,725,718
Bond Debt Service	<span style="color: #F1C40F;">—</span>	17,506,881	17,804,219	25,405,675
<b>Net Revenues after Debt Service</b>	<span style="color: #003366;">—</span>	<b>\$ (13,071,560)</b>	<b>\$ (1,962,958)</b>	<b>\$ 13,534,120</b>



**OTHER FINANCIAL HIGHLIGHTS**

<b>FUND BALANCES</b>	
Revenue	\$ 16,984,228
Operation & Maintenance	11,357,008
General Equipment	246,005
Retail Deposit Account	209,680
Bond Proceeds	17,039
Capital Projects	19,818,191
Replacement Reserve	7,086,568
Development Fee	98,612
Other Reserves	8,613,111
Bond Reserves	5,103,313
	<b>\$ 69,533,755</b>

<b>LONG-TERM DEBT INFORMATION</b>	
Outstanding Bonds and Notes Payable - 09/30/2023	\$ 293,692,522
<u>Average Annual Debt Payments Next 10-Years</u>	
Principal Payments	\$ 14,738,515
Interest Payments	16,516,500
	<b>\$ 31,255,015</b>
<u>Projected Next Future Bond Issue</u>	
Bond Issue Date	January 2024
Bond Issue Amount	\$ 100,000,000

**JORDAN VALLEY WATER CONSERVANCY DISTRICT**  
**INCOME STATEMENT - SEPTEMBER 2023 (25%)**

**MODIFIED ACCRUAL BASIS - UNAUDITED**

	SEPTEMBER 2023	FY 23/24 Y-T-D	FY 23/24 BUDGET	% OF BUDGET	SEPTEMBER 2022	FY 22/23 Y-T-D	FY 22/23 BUDGET	% OF BUDGET
<b>REVENUES</b>								
Metered Sales of Water								
- Wholesale	\$ 6,609,461	\$ 23,607,904	\$ 54,767,689	43%	\$ 6,577,829	\$ 22,037,616	\$ 52,554,723	42%
- Retail	1,182,192	3,385,044	7,212,387	47%	991,588	2,885,959	6,758,349	43%
Impact Fees	9,966	18,272	435,000	4%	-	68,935	512,000	13%
General Property Tax	285,093	825,141	28,731,637	3%	229,548	754,655	25,650,346	3%
Other - Investment Income, etc.	370,904	1,068,711	3,943,800	27%	167,378	462,305	1,087,300	43%
Other - Misc.	606,933	679,540	3,575,000	19%	61,552	268,779	2,243,093	12%
<b>Total Revenues</b>	<b>9,064,550</b>	<b>29,584,612</b>	<b>98,665,513</b>	<b>30%</b>	<b>8,027,895</b>	<b>26,478,249</b>	<b>88,805,811</b>	<b>30%</b>
<b>OPERATING EXPENSES *</b>								
Water Purchases	1,332,310	2,754,191	19,449,887	14%	1,459,902	2,931,399	18,615,784	16%
Operations and Maintenance	1,206,664	3,547,909	12,255,706	29%	904,308	3,635,564	11,621,168	31%
General and Administrative	512,909	2,493,953	7,552,953	33%	432,368	2,275,921	5,728,341	40%
Payroll Related	1,577,345	4,947,298	20,467,172	24%	1,708,080	4,878,471	19,587,691	25%
<b>Total Operating Expenses</b>	<b>4,629,228</b>	<b>13,743,351</b>	<b>59,725,718</b>	<b>23%</b>	<b>4,504,658</b>	<b>13,721,356</b>	<b>55,552,984</b>	<b>25%</b>
<b>Net Revenues Available for Debt Service</b>	<b>4,435,322</b>	<b>15,841,261</b>	<b>38,939,795</b>	<b>41%</b>	<b>3,523,237</b>	<b>12,756,893</b>	<b>33,252,827</b>	<b>38%</b>
Bond Debt Service	17,506,881	17,804,219	25,405,675	70%	16,808,048	17,016,460	23,164,500	73%
<b>Net Revenues after Debt Service</b>	<b>(13,071,560)</b>	<b>(1,962,958)</b>	<b>13,534,120</b>		<b>(13,284,811)</b>	<b>(4,259,566)</b>	<b>10,088,327</b>	
Transfer of Revenue Stabilization Funds	-	5,663,452	5,663,452	100%	-	8,402,108	8,402,108	100%
<b>Net Revenues</b>	<b>\$ (13,071,560)</b>	<b>\$ 3,700,494</b>	<b>\$ 19,197,572</b>		<b>\$ (13,284,811)</b>	<b>\$ 4,142,542</b>	<b>\$ 18,490,435</b>	
* See Exhibit 2 for summary of expenses by line item.								
<b>NON-OPERATING EXPENSES (REVENUES)</b>								
Capital Replacement Projects	\$ 2,181,064	\$ 3,197,187	\$ 19,600,000	16%	\$ 569,595	\$ 1,906,905	\$ 21,837,862	9%
Capital Projects	875,056	3,606,252	53,505,650	7%	601,775	4,405,599	32,456,659	14%
Development Fee	85,796	98,200	435,000	23%	-	-	512,000	0%
General Equipment	37,253	330,626	1,423,000	23%	10,784	112,683	903,100	12%
Self Insurance Claims	(3,402)	(17,998)	100,000	-18%	-	(2,630)	100,000	0%
Bond Cost of Issuance	-	-	700,000		-	-	250,000	
<b>Subtotal</b>	<b>3,175,767</b>	<b>7,214,266</b>	<b>75,763,650</b>	<b>10%</b>	<b>1,182,154</b>	<b>6,422,558</b>	<b>56,059,621</b>	<b>11%</b>
Cap Proj Grants & Other Contrib	-	(3,654,382)	(11,889,642)	31%	(10,613)	(971,104)	(2,849,431)	34%
(Gain) / Loss on Sale of Assets	-	-	-		(21,879)	(110,364)	-	
Bond Cost of Issuance Proceeds	-	-	(700,000)		-	-	(250,000)	
<b>Subtotal</b>	<b>-</b>	<b>(3,654,382)</b>	<b>(12,589,642)</b>	<b>29%</b>	<b>(32,492)</b>	<b>(1,081,468)</b>	<b>(3,099,431)</b>	<b>35%</b>
<b>Total Non-operating Expenses (Revenues)</b>	<b>\$ 3,175,767</b>	<b>\$ 3,559,884</b>	<b>\$ 63,174,008</b>		<b>\$ 1,149,662</b>	<b>\$ 5,341,090</b>	<b>\$ 52,960,190</b>	<b>10%</b>



**JORDAN VALLEY WATER CONSERVANCY DISTRICT**  
**OPERATING EXPENSES SUMMARY - SEPTEMBER 2023 (25%)**

**MODIFIED ACCRUAL BASIS - UNAUDITED**

DESCRIPTION	SEPTEMBER 2023	FY 23/24 Y-T-D	FY 23/24 BUDGET	% OF BUDGET	SEPTEMBER 2022	FY 22/23 Y-T-D	FY 22/23 BUDGET	% OF BUDGET
Water Purchases	\$ 1,321,059	\$ 2,680,132	\$ 18,194,022	15%	\$ 1,450,542	\$ 2,858,276	\$ 17,402,067	16%
Water Stock Assessments	11,252	74,059	1,255,865	6%	9,360	73,123	1,213,717	6%
<b>Total Water Purchases</b>	<b>1,332,310</b>	<b>2,754,191</b>	<b>19,449,887</b>	14%	<b>1,459,902</b>	<b>2,931,399</b>	<b>18,615,784</b>	16%
Building & Grounds Maint	37,996	140,980	409,420	34%	25,530	113,187	389,512	29%
General Property & Leases	13,274	41,377	204,596	20%	3,644	34,757	210,482	17%
Repair & Replacement	99,904	228,823	1,427,198	16%	150,476	415,876	1,230,499	34%
Scheduled Maintenance	15,067	161,396	667,427	24%	13,010	118,476	552,539	21%
Tools & Supplies	59,732	127,867	338,269	38%	15,192	65,880	338,911	19%
Treatment - Chemicals	355,631	1,172,760	3,171,672	37%	241,844	904,986	2,780,169	33%
Treatment - Lab, Studies & Quality	29,050	99,193	686,041	14%	40,821	191,947	607,499	32%
Utilities - JVVWTP	27,513	90,096	351,780	26%	29,312	66,325	347,460	19%
Utilities - SERWTP	10,334	33,936	120,546	28%	7,868	29,954	118,842	25%
Utilities - SWGWTP & RO Wells	52,377	112,434	724,122	16%	9,309	62,254	734,702	8%
Utilities - Wells	75,096	204,729	1,064,636	19%	86,412	356,340	1,334,878	27%
Utilities - Boosters	249,569	713,318	1,731,448	41%	128,087	674,122	1,663,712	41%
Utilities - JNPS & JA	139,958	305,562	788,634	39%	118,456	447,578	784,314	57%
Utilities - Other	6,899	14,110	210,217	7%	2,952	67,104	203,549	33%
Utility Location (Blue Stakes)	3,523	10,571	37,050	29%	3,738	7,085	28,050	25%
Vehicle & Gen. Equip. - Fuel	16,785	47,710	200,660	24%	24,686	64,840	180,060	36%
Vehicle & Gen. Equip. - Parts	13,956	43,047	121,990	35%	2,973	14,853	115,990	13%
<b>Total Operations &amp; Maintenance</b>	<b>1,206,664</b>	<b>3,547,909</b>	<b>12,255,706</b>	29%	<b>904,308</b>	<b>3,635,564</b>	<b>11,621,168</b>	31%
Bond Fees	70,650	112,306	396,400	28%	26,556	117,368	424,000	28%
Computer Supplies	100,384	255,059	844,080	30%	22,953	215,098	822,775	26%
Conservation Programs	224,665	513,123	3,060,030	17%	282,888	451,920	1,567,873	29%
General & Administrative	27,012	99,097	236,910	42%	27,410	86,460	211,950	41%
General Insurance	-	1,256,027	1,206,021	104%	-	1,094,509	1,031,351	106%
Legal & Auditing Fees	39,496	67,291	491,650	14%	23,337	95,163	481,650	20%
Office / Mailing / Safety	14,868	53,986	282,930	19%	11,606	59,755	277,858	22%
Professional Consulting Services	12,128	48,665	429,371	11%	12,440	89,619	316,350	28%
Public Relations	2,436	20,944	202,964	10%	498	13,313	192,925	7%
Training & Education	21,271	67,455	402,597	17%	24,683	52,716	401,609	13%
<b>Total General &amp; Administrative</b>	<b>512,909</b>	<b>2,493,953</b>	<b>7,552,953</b>	33%	<b>432,368</b>	<b>2,275,921</b>	<b>5,728,341</b>	40%
Payroll Related	1,577,345	4,947,298	20,467,172	24%	1,708,080	4,878,471	19,587,691	25%
<b>Total Operating Expenses</b>	<b>\$ 4,629,228</b>	<b>\$ 13,743,351</b>	<b>\$ 59,725,718</b>	23%	<b>\$ 4,504,658</b>	<b>\$ 13,721,356</b>	<b>\$ 55,552,984</b>	25%

**JORDAN VALLEY WATER CONSERVANCY DISTRICT**  
**METERED SALES OF WHOLESALE WATER - SEPTEMBER 2023**

**MODIFIED ACCRUAL BASIS - UNAUDITED**

WHOLESALE MEMBER AGENCY	CURRENT MONTH			FISCAL YTD		
	SEPTEMBER 2023	SEPTEMBER 2022	INCREASE / (DECREASE)	SEPTEMBER 2023	SEPTEMBER 2022	INCREASE / (DECREASE)
Bluffdale	\$ 235,772	\$ 241,850	\$ (6,077)	\$ 868,803	\$ 815,928	\$ 52,876
Div of Fac Const & Mgnt	4,450	7,981	(3,531)	26,354	20,651	5,703
Draper	311,333	314,646	(3,313)	1,173,387	1,076,232	97,155
Granger-Hunter	1,482,787	1,367,039	115,747	4,734,583	4,555,572	179,011
Herriman	594,661	540,266	54,395	2,402,439	2,012,508	389,931
Hexcel Corporation	42,749	33,481	9,268	129,015	106,283	22,732
Kearns	489,996	552,458	(62,462)	1,930,962	1,810,449	120,513
Magna	28,167	27,932	235	87,184	86,343	841
Midvale	173,716	237,155	(63,440)	644,425	730,469	(86,044)
Riverton	278,110	261,487	16,622	948,855	852,502	96,352
South Jordan	1,281,223	1,184,116	97,107	4,721,292	4,263,706	457,586
South Salt Lake	31,702	30,448	1,254	103,090	68,107	34,982
Taylorville-Bennion	157,872	257,004	(99,133)	473,655	580,029	(106,373)
WaterPro, Inc.	-	-	-	-	-	-
West Jordan	1,490,588	1,518,036	(27,449)	5,349,512	5,043,785	305,727
White City	50	50	-	150	150	-
Willow Creek Country Club	6,287	3,880	2,407	14,200	14,903	(703)
<b>TOTALS</b>	<u>\$ 6,609,461</u>	<u>\$ 6,577,829</u>	<u>\$ 31,632</u>	<u>\$ 23,607,904</u>	<u>\$ 22,037,616</u>	<u>\$ 1,570,288</u>

**JORDAN VALLEY WATER CONSERVANCY DISTRICT**  
**FUND BALANCES - SEPTEMBER 2023**

**CASH BASIS - UNAUDITED**

	Operating Funds			
	Revenue	Operation and	General	Retail
	Fund *	Maintenance	Equipment	Deposit
		Fund *	Fund	Account
<b>Beginning Cash Balance</b>	\$ 27,328,965.24	\$ 12,756,549.24	\$ 282,037.38	\$ 209,680.00
<b>CASH RECEIPTS:</b>				
Operations	10,045,400.03	285,774.15	-	1,500.00
Interest	123,603.62	54,099.33	1,221.14	-
Bond	-	-	-	-
Transfers	-	3,000,000.00	-	-
<b>Total Cash Receipts</b>	<b>10,169,003.65</b>	<b>3,339,873.48</b>	<b>1,221.14</b>	<b>1,500.00</b>
<b>CASH DISBURSEMENTS:</b>				
Operations	16,447.26	4,739,415.13	-	1,500.00
Capital	-	-	37,253.21	-
Debt Service	17,497,293.29	-	-	-
Other	-	-	-	-
Transfers	3,000,000.00	-	-	-
<b>Total Disbursements</b>	<b>20,513,740.55</b>	<b>4,739,415.13</b>	<b>37,253.21</b>	<b>1,500.00</b>
<b>Net Change in Cash</b>	<b>(10,344,736.90)</b>	<b>(1,399,541.65)</b>	<b>(36,032.07)</b>	<b>-</b>
<b>Ending Cash Balance</b>	<b>\$ 16,984,228.34</b>	<b>\$ 11,357,007.59</b>	<b>\$ 246,005.31</b>	<b>\$ 209,680.00</b>
* Minimum Balance or Reserve	\$ 6,351,419.00	\$ 7,400,000.00	\$ -	\$ -

**JORDAN VALLEY WATER CONSERVANCY DISTRICT  
FUND BALANCES - SEPTEMBER 2023**

**CASH BASIS - UNAUDITED**

Capital Funds		
Capital Replacement Reserve Fund	Capital Projects Fund	Bond Projects Fund

<b>Beginning Cash Balance</b>	<b>\$ 9,227,678.23</b>	<b>\$ 20,787,011.34</b>	<b>\$ -</b>
 <b><u>CASH RECEIPTS:</u></b>			
Operations	-	-	-
Interest	39,953.21	90,643.55	17,038.80
Bond	-	-	-
Transfers	-	-	-
<b>Total Cash Receipts</b>	<b><u>39,953.21</u></b>	<b><u>90,643.55</u></b>	<b><u>17,038.80</u></b>
 <b><u>CASH DISBURSEMENTS:</u></b>			
Operations	-	-	-
Capital	2,181,063.66	960,852.09	-
Debt Service	-	-	-
Other	-	-	-
Transfers	-	-	-
<b>Total Disbursements</b>	<b><u>2,181,063.66</u></b>	<b><u>960,852.09</u></b>	<b><u>-</u></b>
<b>Net Change in Cash</b>	<b><u>(2,141,110.45)</u></b>	<b><u>(870,208.54)</u></b>	<b><u>17,038.80</u></b>
 <b>Ending Cash Balance</b>	 <b><u>\$ 7,086,567.78</u></b>	 <b><u>\$ 19,916,802.80</u></b>	 <b><u>\$ 17,038.80</u></b>

* Minimum Balance or Reserve	\$ -	\$ -	\$ -
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## JORDAN VALLEY WATER CONSERVANCY DISTRICT FUND BALANCES - SEPTEMBER 2023

### CASH BASIS - UNAUDITED

	Reserve Funds		Restricted Funds		Total
	Other Reserve Funds *	Self Insurance Fund *	Revenue Stabilization Fund	Total Bond Debt Service Reserve Funds *	Total All Funds *
<b>Beginning Cash Balance</b>	\$ 396,102.06	\$ 5,278,520.78	\$ 2,897,970.00	\$ 5,100,663.43	<b>\$ 84,265,177.70</b>
<b><u>CASH RECEIPTS:</u></b>					
Operations	-	6,409.64	-	-	10,339,083.82
Interest	1,715.01	22,854.49	12,547.38	2,649.63	366,326.16
Bond	-	-	-	-	-
Transfers	-	-	-	-	3,000,000.00
<b>Total Cash Receipts</b>	<b>1,715.01</b>	<b>29,264.13</b>	<b>12,547.38</b>	<b>2,649.63</b>	<b>13,705,409.98</b>
<b><u>CASH DISBURSEMENTS:</u></b>					
Operations	-	3,008.04	-	-	4,760,370.43
Capital	-	-	-	-	3,179,168.96
Debt Service	-	-	-	-	17,497,293.29
Other	-	-	-	-	-
Transfers	-	-	-	-	3,000,000.00
<b>Total Disbursements</b>	<b>-</b>	<b>3,008.04</b>	<b>-</b>	<b>-</b>	<b>28,436,832.68</b>
<b>Net Change in Cash</b>	<b>1,715.01</b>	<b>26,256.09</b>	<b>12,547.38</b>	<b>2,649.63</b>	<b>(14,731,422.70)</b>
<b>Ending Cash Balance</b>	<b>\$ 397,817.07</b>	<b>\$ 5,304,776.87</b>	<b>\$ 2,910,517.38</b>	<b>\$ 5,103,313.06</b>	<b>\$ 69,533,755.00</b>
* Minimum Balance or Reserve	<u>\$ 397,817.07</u>	<u>\$ 5,304,776.87</u>	<u>\$ -</u>	<u>\$ 5,103,313.06</u>	<u>\$ 24,557,326.00</u>

**JORDAN VALLEY WATER CONSERVANCY DISTRICT**  
**FUND BALANCES - SEPTEMBER 2023**

**INVESTMENT SUMMARY**

	Institution/Account	Fund	Date Invested	Maturity Date	Interest Rate	Principal Invested	
Operating Funds	Zions Bank - Checking/Sweep Account	Revenue	09/01/23	09/30/23	4.97%	\$ 1,759,849.41	
	Paypal Account - Garden Revenue	Revenue	09/01/23	09/30/23	0.00%	7,869.90	
	Wells Fargo Bank - Savings Account	Revenue	09/01/23	09/30/23	0.10%	331,744.68	
	Express Bill Pay Deposit Account	Revenue	09/01/23	09/30/23	0.00%	567,356.51	
	CUWCD Series B-4 Revenue Bonds	Revenue	06/20/13	10/01/34	5.53%	1,670,000.00	
	Public Treasurers Investment Fund	Revenue	09/01/23	09/30/23	5.43%	12,647,407.84	
	<b>Subtotal - Revenue Funds</b>						<b>16,984,228.34</b>
	Zions Bank - Checking/Sweep Account	O&M	09/01/23	09/30/23	4.97%	326,238.17	
	Public Treasurers Investment Fund	O&M	09/01/23	09/30/23	5.43%	11,030,769.42	
	<b>Subtotal - O&amp;M Funds</b>						<b>11,357,007.59</b>
Public Treasurers Investment Fund	General Equipment	09/01/23	09/30/23	5.43%	246,005.31		
Retail Deposit Account	Retail Deposit	09/01/23	09/30/23	0.00%	209,680.00		
<b>Total Operating Funds</b>						<b>\$ 28,796,921.24</b>	
Capital Funds	Public Treasurers Investment Fund	Capital Replacement Reserve	09/01/23	09/30/23	5.43%	\$ 7,086,567.78	
	Public Treasurers Investment Fund	Capital Projects	09/01/23	09/30/23	5.43%	19,818,190.90	
	Public Treasurers Investment Fund	Bond Project Funds	09/01/23	09/30/23	5.43%	17,038.80	
	Public Treasurers Investment Fund	Development Fee	09/01/23	09/30/23	5.43%	98,611.90	
	<b>Total Capital Funds</b>						<b>\$ 27,020,409.38</b>
Reserve Funds	Public Treasurers Investment Fund	Self Insurance	09/01/23	09/30/23	5.43%	\$ 5,304,776.87	
	Public Treasurers Investment Fund	JVWTP Maintenance	09/01/23	09/30/23	5.43%	96,551.91	
	Public Treasurers Investment Fund	Bond R&R	09/01/23	09/30/23	5.43%	174,486.09	
	Public Treasurers Investment Fund	JA Maintenance	09/01/23	09/30/23	5.43%	126,779.07	
	Public Treasurers Investment Fund	Revenue Stabilization	09/01/23	09/30/23	5.43%	2,910,517.38	
<b>Total Reserve Funds</b>						<b>\$ 8,613,111.32</b>	
Restricted Funds	Zions Bank (Trustee) - US Treasury Notes	B-1 Bond Debt Serv Res	Varies	Varies	0.66%	\$ 4,941,143.56	
	Zions Bank (Trustee) - US Treasury Notes	2009C Bond Debt Serv Res	Varies	Varies	0.66%	162,169.50	
<b>Total Restricted Funds</b>						<b>\$ 5,103,313.06</b>	
<b>TOTAL ALL FUNDS</b>						<b>\$ 69,533,755.00</b>	

**JORDAN VALLEY WATER CONSERVANCY DISTRICT**  
BALANCE SHEET - SEPTEMBER 2023

**MODIFIED ACCRUAL BASIS - UNAUDITED**

	SEPTEMBER 2023	SEPTEMBER 2022
<b>ASSETS</b>		
<i>Current Assets:</i>		
Cash & Cash Equivalents (Note 1)	\$ 64,413,824	\$ 55,045,721
Accounts Receivable	8,764,033	7,322,857
Inventory	<u>654,868</u>	<u>615,769</u>
Total Current Assets	73,832,726	62,984,347
<i>Restricted Assets:</i>		
Cash & Investments	5,120,352	43,483,805
<i>Long-Term Assets:</i>		
Long-Term Receivables	-	-
Other Assets	8,565,423	2,753,730
Property, Plant & Equipment (Net)	<u>598,496,137</u>	<u>566,628,403</u>
Total Long-Term Assets	<u>607,061,560</u>	<u>569,382,133</u>
<b>Total Assets</b>	<b><u>\$ 686,014,638</u></b>	<b><u>\$ 675,850,285</u></b>
<b>LIABILITIES &amp; FUND EQUITY</b>		
<i>Current Liabilities:</i>		
Accounts Payable	\$ (0)	\$ 0
Other Current Liabilities	<u>1,503,229</u>	<u>1,745,451</u>
Total Current Liabilities	1,503,229	1,745,451
<i>Long-Term Liabilities:</i>		
Bonds and Notes Payable	293,692,522	309,909,033
Other Long-Term Liabilities	<u>13,590,161</u>	<u>10,330,783</u>
Total Long-Term Liabilities	<u>307,282,683</u>	<u>320,239,816</u>
<b>Total Liabilities</b>	308,785,912	321,985,266
<b>Total Net Position</b>	<u>377,228,726</u>	<u>353,865,019</u>
<b>Total Liabilities &amp; Net Position</b>	<b><u>\$ 686,014,638</u></b>	<b><u>\$ 675,850,285</u></b>

Note 1: Cash and cash equivalents totalling \$35,464,670 have been committed for; replacement reserve \$7,086,568, capital projects \$19,818,191, development fee \$98,612, general equipment \$246,005, self insurance reserve \$5,304,777 and revenue stabilization fund \$2,910,517.

**JORDAN VALLEY WATER CONSERVANCY DISTRICT**  
**IMPACT FEE SUMMARY - SEPTEMBER 2023**

**CASH BASIS - UNAUDITED**

<u>Date</u>	<u>Payee</u>	<u>Subdivision/Lot#</u>	<u>Amount</u>
09/06/23	Willow Creek C.C.	Willow Creek Country Club	\$ 5,814.00
09/14/23	John Potter	8019 S. Cottonwood Lane	4,152.00

**Total Fees Collected September** \$ 9,966.00

**Total Fees Collected Fiscal YTD** \$ 18,272.00



# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## CHECK REGISTER - REVENUE ACCOUNT

For the Period September 01, 2023 Through September 30, 2023

CHECK NO.	CHECK DATE	VENDOR NAME	CHECK AMOUNT
72093	9/12/23	TAYLOR, BRENT	\$47.17
1740804	9/12/23	MEEK, ANNA L	250.98
1740805	9/12/23	ROSS, LINDSEY	449.78
1740806	9/12/23	WEBLER, PAUL	11.52
1740807	9/15/23	MONAHAN, GWYNNE	33.44
1740808	9/28/23	FENGER, DAYNA	89.74
1740809	9/28/23	HATCH, SHERRIE	49.88
1740810	9/28/23	PROPERTY SELLER SOLUTIONS, LLC	75.00
REPORT TOTAL:			<u>\$1,007.51</u>

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PAYMENT REGISTER - O&M ACCOUNT

*For the Period September 01, 2023 Through September 30, 2023*

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
179407	9/7/23	<b>WIDDISON WELL SERVICES INC.</b> 11000180 6010 4236	8518 S 960 E WELL DISINFECTION	14,900.00	<b>\$14,900.00</b>
179408	9/7/23	<b>B.T.B ENTERPRISES LLC</b> 62000570 5670	LANDSCAPE LEADERSHIP GRANT	50,000.00	<b>50,000.00</b>
179409	9/7/23	<b>CENTURYLINK / LUMEN</b> 90000650 5230 90071650 5230 90072650 5230 90101650 5230	VARIOUS VARIOUS VARIOUS VARIOUS	971.14 971.14 1,925.36 2,286.06	<b>6,153.70</b>
179410	9/7/23	<b>CHILD SUPPORT SERVICES</b> 11000200 2135	PAYROLL 083123	529.00	<b>529.00</b>
179411	9/7/23	<b>CHRISTENSEN &amp; JENSEN PC</b> 51000650 5284 51000650 5284	BRANDON GENERAL	780.00 700.00	<b>1,480.00</b>
179412	9/7/23	<b>CMT TECHNICAL SERVICES</b> 11000188 6010 4190	3300 S PIPELINE REPLACEMENT	3,230.00	<b>3,230.00</b>
179413	9/7/23	<b>DOMINION ENERGY</b> 75500590 5420 75500590 5420	3200 W 6200 S 1 4400 S 4800 W	9.24 108.56	<b>117.80</b>
179414	9/7/23	<b>GENEVA ROCK PRODUCTS INC</b> 82000570 5380	ROADBASE & ROCK	1,552.95	<b>1,552.95</b>
179415	9/7/23	<b>GLOBAL EQUIPMENT COMPANY INC</b> 72072570 5360	(6) 8' BOOM SWING MOUNTS	4,145.04	<b>4,145.04</b>
179416	9/7/23	<b>INNOSYS INC.</b> 62000570 5670	LANDSCAPE LEADERSHIP GRANT	2,532.00	<b>2,532.00</b>
179417	9/7/23	<b>INTERMOUNTAIN FUSE SUPPLY INC</b> 75000570 5380	CHLORINATOR PUMP MOTOR	692.49	<b>692.49</b>
179418	9/7/23	<b>JAMI PHILLIPS</b> 62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	1,846.40	<b>1,846.40</b>
179419	9/7/23	<b>LA TECH EQUIPMENT</b> 91073570 5310	PH SENSOR	1,515.00	<b>1,515.00</b>
179420	9/7/23	<b>LAW OFFICES OF KIRK A CULLIMORE LLC</b> 11000200 2135	GARCIA #3	300.00	<b>300.00</b>
179421	9/7/23	<b>LEGAL SHIELD</b> 11000200 2135	PAYROLL 073123	1,315.80	<b>1,315.80</b>
179422	9/7/23	<b>MATT HINCKLEY</b> 75000590 5290	AWWA ACE	1,916.56	<b>1,916.56</b>
179423	9/7/23	<b>NATHAN TALBOT</b> 75000590 5290	AWWA ACE	1,320.79	<b>1,320.79</b>

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PAYMENT REGISTER - O&M ACCOUNT

For the Period September 01, 2023 Through September 30, 2023

<b>PAYMENT NO.</b>	<b>PAYMENT DATE</b>	<b>VENDOR NAME ACCOUNT#</b>	<b>DESCRIPTION</b>	<b>INVOICE AMOUNT</b>	<b>PAYMENT AMOUNT</b>
<b>179424</b>	<b>9/7/23</b>	<b>NORTHERN LAKE SERVICE INC</b>			<b>\$5,380.00</b>
		77071590 5770	WATER QUALITY ANALYSIS	765.00	
		77072590 5770	WATER QUALITY ANALYSIS	765.00	
		77073590 5770	WATER QUALITY ANALYSIS	773.00	
		77075590 5770	WATER QUALITY ANALYSIS	3,077.00	
<b>179425</b>	<b>9/7/23</b>	<b>PFM ASSET MANAGEMENT LLC</b>			<b>649.29</b>
		51000650 5280	INVESTMENT ADVISOR FEES	649.29	
<b>179426</b>	<b>9/7/23</b>	<b>PITNEY BOWES INC</b>			<b>1,005.00</b>
		51000650 5250	ADMIN POSTAGE	1,005.00	
<b>179427</b>	<b>9/7/23</b>	<b>POSTMASTER</b>			<b>250.00</b>
		60000650 5250	UPPER WILLIOW CREEK POSTCARD #54 POS	250.00	
<b>179428</b>	<b>9/7/23</b>	<b>REPUBLIC SERVICES INC</b>			<b>2,582.88</b>
		51000650 5350	ADMIN/MAINT	195.96	
		62000570 5350	EDUCATION	707.45	
		71071570 5350	JVWTP	456.21	
		72072570 5350	SERWTP	302.02	
		73073570 5350	SWGWTP	328.22	
		83000570 5350	ADMIN/MAINT	202.65	
		83000570 5350	MAINT	390.37	
<b>179429</b>	<b>9/7/23</b>	<b>TOOLSHED INC</b>			<b>11.56</b>
		81071570 5380	NUTS AND BOLTS FOR CHLORINE FLANGE	11.56	

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PAYMENT REGISTER - O&M ACCOUNT

**For the Period September 01, 2023 Through September 30, 2023**

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
<b>179430</b>	<b>9/7/23</b>	<b>ROCKY MOUNTAIN POWER</b>			<b>\$75,024.28</b>
		70101590 5410	557994860012	581.16	
		75200590 5410	311522760504	34.51	
		75200590 5410	311522760512	3,533.85	
		75200590 5410	311522760579	1,892.43	
		75200590 5410	311522760652	31.91	
		75200590 5410	325517860012	11.27	
		75200590 5410	377120460060	16.31	
		75300590 5410	913799040013	33,287.92	
		75300590 5410	311522760603	65.29	
		75300590 5410	333110760050	142.45	
		75300590 5410	333119160013	5,138.92	
		75300590 5410	333821260010	216.41	
		75300590 5410	333822660010	86.24	
		75300590 5410	911749030019	140.01	
		75300590 5410	175509260139	18.10	
		75300590 5410	175509260204	16.41	
		75300590 5410	261824160053	421.42	
		75300590 5410	311522760199	351.39	
		75300590 5410	311522760215	72.17	
		75500590 5410	175509260196	385.71	
		75500590 5410	227856660146	12,850.36	
		75500590 5410	235992060014	15,010.53	
		75600590 5410	311522760066	16.01	
		75600590 5410	3115227760025	15.17	
		75600590 5410	317351760012	165.23	
		75600590 5410	377120460078	18.10	
		75600590 5410	377131660021	13.37	
		75600590 5410	227856660138	233.81	
		75600590 5410	311522760041	16.15	
		75700590 5410	322497360014	85.71	
		75700590 5410	364292260015	44.74	
		75700590 5410	377220560025	28.36	
		75700590 5410	253216260013	82.86	
<b>179431</b>	<b>9/7/23</b>	<b>SANDY CITY</b>			<b>3,163.14</b>
		72000590 5440	11574 WYNDCASTLE	2,876.27	
		75300590 5430	2580 E 9800 S	286.87	
<b>179432</b>	<b>9/7/23</b>	<b>TYLER TECH</b>			<b>3,983.80</b>
		90000650 5230	MUNIS TCM SOFTWARE SUPPORT RENEWAL	3,983.80	
<b>179433</b>	<b>9/7/23</b>	<b>US BANK FINANCIAL</b>			<b>57,458.33</b>
		11000200 2132	PCARDS 072623-082523	57,458.33	
<b>179434</b>	<b>9/7/23</b>	<b>VERIZON WIRELESS</b>			<b>1,759.04</b>
		90000650 5230	VERIZON AMI BILL	50.12	
		90000650 5230	VERIZON WIRELESS IPAD BILL	136.98	
		90071650 5230	VERIZON AMI BILL	25.00	
		90071650 5230	VERIZON WIRELESS PHONE & DATA ACCESS	65.05	
		90072650 5230	VERIZON AMI BILL	25.00	
		90072650 5230	VERIZON WIRELESS PHONE & DATA ACCESS	25.04	
		90077650 5230	VERIZON WIRELESS PHONE & DATA ACCESS	84.24	
		90101650 5230	VERIZON AMI BILL	25.00	
		90101650 5230	VERIZON WIRELESS PHONE & DATA ACCESS	1,322.61	
<b>179435</b>	<b>9/7/23</b>	<b>WILLIAM SCHAFER</b>			<b>1,548.00</b>
		62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	1,548.00	

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PAYMENT REGISTER - O&M ACCOUNT

For the Period September 01, 2023 Through September 30, 2023

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
179436	9/7/23	<b>WORKERS COMPENSATION FUND</b> 51000650 5160	PREMIUM ADJUSTMENT PAYMNT	2,066.00	\$2,066.00
179437	9/7/23	<b>ZIONS BANK</b> 51000650 5286	B1 BOND QUARTERLY LIQUIDITY AGREEMEN	44,651.42	44,651.42
179438	9/7/23	<b>EJ USA INC</b> 51000000 6210	HATCH LID THAT WAS DAMAGED IN AN UNKN	2,295.47	2,295.47
179439	9/13/23	<b>ACCURINT</b> 51000650 5170	MONTHLY PEOPLE SEARCH SERVICE	225.50	225.50
179440	9/13/23	<b>AFLAC PREMIUM HOLDING</b> 11000200 2135	Payroll Run 1 - Warrant 083123	930.79	930.79
179441	9/13/23	<b>ALBERT &amp; EVELYN VELTRI TRUST</b> 62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	2,027.40	2,027.40
179442	9/13/23	<b>ALDER CONSTRUCTION</b> 62000570 5670	COMMERCIAL LANDSCAPE INCENTIVE PROG	5,286.00	5,286.00
179443	9/13/23	<b>ALLSTREAM</b> 51000650 5450 70100590 5450 71000590 5450 72000590 5450	8215 S 1300 W 15305 S 3200 W 15305 S 3200 W 15305 S 3200 W	10.42 70.40 956.25 71.06	1,108.13
179444	9/13/23	<b>ALPHA COMMUNICATIONS SITES INC</b> 91000570 5530	SITE LEASE	191.45	191.45
179445	9/13/23	<b>BACKFLOW SUPPLY</b> 83000570 5350	NEW BACKFLOW PREVENTER FOR 3200 W 6	766.00	766.00
179446	9/13/23	<b>COTTONWOOD IMPROVEMENT DISTRICT</b> 75300590 5430	9785 EASTDELL	60.00	60.00
179447	9/13/23	<b>CRUS OIL INC</b> 81000570 5320	15W40 MOTOR OIL	1,556.95	1,556.95
179448	9/13/23	<b>DAVIS &amp; WEBER COUNTIES CANAL COMPANY</b> 70000510 5820	2023 DAVIS & WEBER CANAL ASSESSMENT	9,360.00	9,360.00
179449	9/13/23	<b>GLOVER NURSERY</b> 83073570 5350	DECORATIVE GRASS FOR SWGWTP LANDSC	119.90	119.90
179450	9/13/23	<b>HOLIDAY OIL COMPANY</b> 62000570 5670	LANDSCAPE LEADERSHIP GRANT	5,244.00	5,244.00
179451	9/13/23	<b>JORDAN DAVIS</b> 62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	1,440.00	1,440.00
179452	9/13/23	<b>KARL MALONE PLAZA CYCLE</b> 81000570 5330	LUG NUTS FOR RANGER	14.32	14.32
179453	9/13/23	<b>KARL MALONE TOYOTA SCION</b> 81000570 5330	REPAIRS ON RAV4 , 738	205.38	205.38

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PAYMENT REGISTER - O&M ACCOUNT

**For the Period September 01, 2023 Through September 30, 2023**

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
<b>179454</b>	<b>9/13/23</b>	<b>LEHI CITY CORPORATION</b>			<b>\$70.11</b>
		70101590 5410	1250 E SR92	35.13	
		70101590 5410	NE CORNER SR92	34.98	
<b>179455</b>	<b>9/13/23</b>	<b>NAPA GENUINE AUTO PARTS COMPANY</b>			<b>1,366.20</b>
		81000570 5330	STEERING STABILIZER, TIE RODS, WASHER I	383.19	
		81000570 5330	TIE RODS,BRAKE PADS,SPARK PLUGS,COIL F	567.59	
		81000570 5330	TIRE PLUGS,OIL FILTERS,AIR DOOR ACTUATC	415.42	
<b>179456</b>	<b>9/13/23</b>	<b>NATIONAL BENEFIT SERVICES HRA</b>			<b>1,129.57</b>
		11000200 2135	Payroll Run 1 - Warrant 083123	1,129.57	
<b>179457</b>	<b>9/13/23</b>	<b>NATIONAL BENEFIT SERVICES HRA</b>			<b>431.60</b>
		11000200 2135	ADMIN FEES	431.60	
<b>179458</b>	<b>9/13/23</b>	<b>NOLAND &amp; SON CONSTRUCTION COMPANY INC</b>			<b>189,114.67</b>
		11000188 6010 4225	RED MAPLE DISTRIBUTION PIPELIN	181,884.67	
		75001570 5380	VAULT/ROAD WORK AT 13400 S 5600 W	2,410.00	
		82000570 5380	VAULT/ROAD WORK AT 13400 S 5600 W	2,410.00	
		91000570 5310	VAULT/ROAD WORK AT 13400 S 5600 W	2,410.00	
<b>179459</b>	<b>9/13/23</b>	<b>TOOLSHED INC</b>			<b>3.63</b>
		75000590 5310	CAULK GUN	3.63	
<b>179460</b>	<b>9/13/23</b>	<b>ROCKY MOUNTAIN POWER</b>			<b>55,985.10</b>
		52000570 5400	311522760124	11.69	
		52000570 5400	311522760132	11.27	
		52000570 5400	311522760405	12.11	
		72211590 5410	321644760019	2.39	
		72211590 5410	913799040088	18.25	
		75101590 5410	261824160012	1,346.62	
		75200590 5410	175509260063	11.42	
		75200590 5410	175509260253	40.77	
		75200590 5410	311522760546	153.19	
		75300590 5410	913799040047	5,732.05	
		75300590 5410	175509260162	49.33	
		75300590 5410	175509260337	61.78	
		75300590 5410	2618241600338	68.10	
		75500590 5410	175509260295	29,780.01	
		75500590 5410	266289460013	17,913.57	
		75600590 5410	377220560033	28.70	
		75600590 5410	261824160046	522.19	
		75600590 5410	311522760181	14.21	
		75600590 5410	311522760363	18.25	
		75600590 5410	311522760462	18.82	
		75600590 5410	3115622760157	21.60	
		75600590 5410	377131660047	15.32	
		75600590 5410	175509260022	26.18	
		75600590 5410	227856660013	31.30	
		75600590 5410	227856660039	41.58	
		75700590 5410	311522760611	34.40	
<b>179461</b>	<b>9/13/23</b>	<b>SANDY CITY</b>			<b>77.88</b>
		75300590 5430		17.96	
		75300590 5430	1147 WEBSTER	8.98	
		75300590 5430	1784 CREEK RD	14.98	
		75300590 5430	1787 CREEK RD	8.98	
		75300590 5430	7618 S 700 E	26.98	

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PAYMENT REGISTER - O&M ACCOUNT

**For the Period September 01, 2023 Through September 30, 2023**

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
179462	9/13/23	<b>SMALLEY &amp; COMPANY</b>			<b>\$346.08</b>
		82101570 5380	SIKAFLEX 1A SEALANT, AQUEDUCT & DISTRI	173.04	
		82000570 5380	SIKAFLEX 1A SEALANT, AQUEDUCT & DISTRI	173.04	
179463	9/13/23	<b>SOUTH JORDAN CITY</b>			<b>368.22</b>
		52000570 5400	10305 S 3200 W LAND	332.01	
		75300590 5430	9911 S 2700 W LAND	36.21	
179464	9/13/23	<b>STANDARD PLUMBING SUPPLY/SPRINKLER WORLD</b>			<b>199.03</b>
		83000570 5350	2 90 ELBOWS FOR THE BACKFLOW PREVENT	14.30	
		83000570 5350	PARTS TO REPLACE THE BACKFLOW AT 3200	184.73	
179465	9/13/23	<b>STOTZ EQUIPMENT BLUFFDALE</b>			<b>279.20</b>
		81000570 5330	PARTS FOR MOWER DECK	279.20	
179466	9/13/23	<b>THE RAGMAN COMPANY</b>			<b>293.00</b>
		83000570 5310	SHOP RAGS	293.00	
179467	9/13/23	<b>UN-X-LD PIPE &amp; SUPPLY INC</b>			<b>23.00</b>
		75002570 5380	WELD-O-LET	23.00	
179468	9/13/23	<b>UPHOLSTERY WEST INC</b>			<b>325.00</b>
		81000570 5330	SEAT REPAIR ON 712	325.00	
179469	9/13/23	<b>UTAH COMMUNICATIONS INC</b>			<b>40.00</b>
		91000570 5530	MAINTENANCE CONTRACT	40.00	
179470	9/13/23	<b>UTAH DIVISION OF GOV.OPERATIONS</b>			<b>16,746.36</b>
		81000570 5340	AUGUST FLEET FUEL BILL	16,746.36	
179471	9/13/23	<b>WATER SYSTEMS ENGINEERING, INC.</b>			<b>9,190.00</b>
		11000180 6010 4213	SWGWTP DEEP WELL ASSESSMENT	9,190.00	
179472	9/13/23	<b>WEST JORDAN CITY</b>			<b>5,086.49</b>
		51000650 5410	8275 S 1300 W	32.89	
		51000650 5430	8215 S 1300 W	2,058.67	
		51000650 5430	8275 S 1300 W	115.83	
		51000650 5440	8275 S 1300 W	2,879.10	
179473	9/13/23	<b>WRIGHT'S SHED CO</b>			<b>9,210.16</b>
		83000570 5350	STORAGE SHED FOR ADDITIONAL STORAGE	9,210.16	
179474	9/13/23	<b>ZIONS BANK</b>			<b>9,181.38</b>
		51000650 5286	QUARTERLY REMARKETING AGENT FEE FOR	9,181.38	
179475	9/14/23	<b>AMANDA BETENSON</b>			<b>556.88</b>
		62000570 5670	FLIP YOUR STRIP PAYMENT	556.88	
179476	9/14/23	<b>DOMINION ENERGY</b>			<b>35.12</b>
		75300590 5420	4770 NANILOA	35.12	
179477	9/14/23	<b>DRAPER CITY</b>			<b>7.00</b>
		75300590 5430	108 E 11400 S	7.00	
179478	9/14/23	<b>MT OLYMPUS IMPROVEMENT DISTRICT</b>			<b>138.00</b>
		75501590 5430	2981 BRANCH	138.00	
179479	9/14/23	<b>PRESTON MITCHELL</b>			<b>162.00</b>
		60000650 5290	PRODUCT LED SUMMIT	162.00	

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PAYMENT REGISTER - O&M ACCOUNT

**For the Period September 01, 2023 Through September 30, 2023**

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
<b>179480</b>	<b>9/14/23</b>	<b>ROCKY MOUNTAIN POWER</b>			<b>\$132,751.94</b>
		70100590 5410	175509260279	102,743.52	
		75200590 5410	175509260014	14.20	
		75500590 5410	175509260238	12,284.74	
		75500590 5410	259822160018	17,709.48	
<b>179481</b>	<b>9/14/23</b>	<b>SANDY CITY</b>			<b>8.98</b>
		52000570 5400	579 W 9400 S	8.98	
<b>179482</b>	<b>9/14/23</b>	<b>SOUTH JORDAN CITY</b>			<b>36.21</b>
		75300590 5430	10932 S 2700 WAY	36.21	
<b>179483</b>	<b>9/14/23</b>	<b>SOUTH VALLEY SEWER DISTRICT</b>			<b>379.32</b>
		71000590 5430	15305 S 3200 W	116.76	
		72000590 5430	11574 WYNDCASTLE NEW	37.56	
		72000590 5430	11574 WYNDCASTLE OLD	25.00	
		75300590 5430	3145 W 11400 S	25.00	
		75300590 5430	3257 CURRENT CREEK	25.00	
		75501590 5430	10621 S 1300 W	25.00	
		75501590 5430	10932 S 2700 W	25.00	
		75501590 5430	11059 S 1300 W	25.00	
		75501590 5430	9816 S 1300 W	50.00	
		75501590 5430	9911 S 2700 W	25.00	
<b>179484</b>	<b>9/20/23</b>	<b>CHAMPION FABRICATING &amp; SUPPLY COMPANY</b>			<b>109.00</b>
		82000570 5310	CONCRETE TOOLS FOR PLM	109.00	
<b>179485</b>	<b>9/20/23</b>	<b>CHILD SUPPORT SERVICES</b>			<b>529.00</b>
		11000200 2135	PAYROLL 091523	529.00	
<b>179486</b>	<b>9/20/23</b>	<b>CYNTHIA BEE</b>			<b>427.84</b>
		60000650 5290	PIO CONFERENCE	427.84	
<b>179487</b>	<b>9/20/23</b>	<b>DOMINION ENERGY</b>			<b>794.31</b>
		72000590 5420	11574 WYNDCASTLE ACTI	541.57	
		72000590 5420	11574 WYNDCASTLE FILT	252.74	
<b>179488</b>	<b>9/20/23</b>	<b>JEFF HONE</b>			<b>VOID</b>
<b>179489</b>	<b>9/20/23</b>	<b>LAW OFFICES OF KIRK A CULLIMORE LLC</b>			<b>300.00</b>
		11000200 2135	GARCIA	300.00	
<b>179490</b>	<b>9/20/23</b>	<b>MARK STRATFORD</b>			<b>162.80</b>
		51000650 5290	FLIGHT REIMBURSEMENT	162.80	
<b>179491</b>	<b>9/20/23</b>	<b>NAPA GENUINE AUTO PARTS COMPANY</b>			<b>481.04</b>
		81000570 5330	BRAKE SWITCH, WATER PUMP, HEADLIGHT S	218.19	
		81000570 5330	SERPENTINE BELT, FUEL FILTER, LICENSE PI	262.85	



# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PAYMENT REGISTER - O&M ACCOUNT

For the Period September 01, 2023 Through September 30, 2023

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
<b>179492</b>	<b>9/20/23</b>	<b>ROCKY MOUNTAIN POWER</b>			<b>\$170,014.21</b>
		71000590 5410	175509260287	26,569.53	
		75200590 5410	227856660021	63.75	
		75200590 5410	311522760330	30.51	
		75200590 5410	329228560010	60.34	
		75300590 5410	175509260170	15.32	
		75300590 5410	311522760074	463.75	
		75300590 5410	333110060014	58.60	
		75500590 5410	175509260410	86,085.57	
		75500590 5410	175520960360	16,471.18	
		75500590 5410	227856660120	40,068.00	
		75600590 5410	311522760454	30.98	
		75600590 5410	311522760470	27.45	
		75600590 5410	175509260246	14.77	
		75600590 5410	311522760033	21.72	
		75700590 5410	175509260261	32.74	
<b>179493</b>	<b>9/20/23</b>	<b>UPHOLSTERY WEST INC</b>			<b>250.00</b>
		81000570 5330	SEAT REPAIR ON 411.	250.00	
<b>179494</b>	<b>9/20/23</b>	<b>UTAH BUREAU OF CRIMINAL IDENTIFICATION</b>			<b>232.75</b>
		51000650 5170	EMPLOYEE BACKGROUND CHECK	232.75	
<b>179495</b>	<b>9/20/23</b>	<b>UTAH LANDSCAPE SUPPLY</b>			<b>17.60</b>
		82000570 5380	SOD FOR 3577 S 610 E RESTORATION	17.60	
<b>179496</b>	<b>9/20/23</b>	<b>UTAH STATE TAX COMMISSION</b>			<b>49,249.68</b>
		11000200 2240	PAYROLL 091523	49,249.68	
<b>179497</b>	<b>9/20/23</b>	<b>WIDDISON WELL SERVICES INC.</b>			<b>236,383.75</b>
		11000180 6010 4242	WELL REDEVELOPMENT & TEST PUMP	80,465.00	
		11000180 6010 4281	1590 EAST WELL DEVELOPMENT	155,918.75	
<b>179498</b>	<b>9/21/23</b>	<b>AMANDA STRACK</b>			<b>201.00</b>
		62000570 5290	WATERSMART	201.00	
<b>179499</b>	<b>9/21/23</b>	<b>BECK CONSTRUCTION &amp; EXCAVATION</b>			<b>1,375,562.00</b>
		11000188 6010 4190 3300	S PIPELINE REPLACEMENT	1,375,562.00	
<b>179500</b>	<b>9/21/23</b>	<b>CASTELAN, KIMBERLY</b>			<b>552.80</b>
		70000590 5290	METROHM	552.80	
<b>179501</b>	<b>9/21/23</b>	<b>CMT TECHNICAL SERVICES</b>			<b>4,400.00</b>
		11000188 6010 4190 3300	S PIPELINE REPLACEMENT	4,400.00	
<b>179502</b>	<b>9/21/23</b>	<b>COURTNEY BROWN</b>			<b>147.00</b>
		62000570 5290	WATERSMART	147.00	
<b>179503</b>	<b>9/21/23</b>	<b>CRS CONSULTING ENGINEERS INC</b>			<b>10,198.83</b>
		11000180 6010 4293 9800	S 2300 E WELL EQUIPPING	2,955.48	
		52000570 5400	SURVEY WORK ON DISTRICT PROPERTY	7,243.35	
<b>179504</b>	<b>9/21/23</b>	<b>DIGI-KEY</b>			<b>1,581.21</b>
		91073570 5310	REPLACE CAPS ON FINISH WATER PUMP 2 S	1,581.21	
<b>179505</b>	<b>9/21/23</b>	<b>ERIK WERMEL</b>			<b>147.00</b>
		62000570 5290	WATERSMART	147.00	

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PAYMENT REGISTER - O&M ACCOUNT

**For the Period September 01, 2023 Through September 30, 2023**

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
179506	9/21/23	<b>GORDON BATT</b> 70000590 5290	AWWA	416.80	<b>\$416.80</b>
179507	9/21/23	<b>GRANGER HUNTER IMPROVEMENT</b> 62000570 5670	MEMBER AGENCY GRANT - GRANGER-HUNTI	13,920.00	<b>13,920.00</b>
179508	9/21/23	<b>JEANETTE PERRY</b> 60000650 5290	WATERSMART	119.00	<b>119.00</b>
179509	9/21/23	<b>JENKINS PLUMBING COMPANY</b> 77075590 5770	ANNUAL BACKFLOW TESTING	75.00	<b>75.00</b>
179510	9/21/23	<b>MADELINE SUELZ</b> 62000570 5290	WATERSMART	488.78	<b>488.78</b>
179511	9/21/23	<b>MATT OLSEN</b> 51000650 5290	WATERSMART	147.00	<b>147.00</b>
179512	9/21/23	<b>PROVO BENCH CANAL &amp; IRRIGATION COMPANY</b> 70000510 5820	PROVO BENCH WATER STOCK ASSESSEMEN	1,891.67	<b>1,891.67</b>
179513	9/21/23	<b>SELECTHEALTH</b> 11000200 2135	PAYROLL 090523	253,189.60	<b>253,189.60</b>
179514	9/21/23	<b>VALERIE MILLETTE</b> 62000570 5290	WATERSMART	428.80	<b>428.80</b>
179515	9/21/23	<b>WIDDISON WELL SERVICES INC.</b> 11000180 6010 4310	MONITOR WELL REPAIR	7,000.00	<b>7,000.00</b>

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PAYMENT REGISTER - O&M ACCOUNT

For the Period September 01, 2023 Through September 30, 2023

<b>PAYMENT NO.</b>	<b>PAYMENT DATE</b>	<b>VENDOR NAME</b>	<b>ACCOUNT#</b>	<b>DESCRIPTION</b>	<b>INVOICE AMOUNT</b>	<b>PAYMENT AMOUNT</b>
<b>179516</b>	<b>9/26/23</b>	<b>ROCKY MOUNTAIN POWER</b>				<b>\$80,936.21</b>
			72000590 5410	175509260188	6,580.71	
			73000590 5410	377120460037	33,981.68	
			75200590 5410	287176760018	12.39	
			75200590 5410	311522760223	1,101.49	
			75200590 5410	311522760512	560.75	
			75200590 5410	311522760538	1,404.17	
			75200590 5410	311522760553	73.55	
			75200590 5410	311522760561	5,645.34	
			75200590 5410	311522760579	2,800.48	
			75300590 5410	911749030019	11,681.63	
			75300590 5410	326716960017	71.18	
			75300590 5410	333110760050	225.82	
			75300590 5410	333819860011	45.86	
			75300590 5410	333822660010	14.97	
			75300590 5410	376190160014	164.54	
			75300590 5410	377120460045	61.78	
			75300590 5410	175509260329	212.61	
			75300590 5410	175509260386	93.50	
			75300590 5410	311522760017	209.89	
			75300590 5410	311522760199	319.77	
			75300590 5410	311522760215	83.32	
			75300590 5410	326593760019	56.71	
			75300590 5410	175509260048	164.31	
			75300590 5410	175509260055	14,194.40	
			75300590 5410	175509260139	15.74	
			75500590 5410	175509260030	249.57	
			75500590 5410	175509260196	423.35	
			75500590 5410	913799040021	218.80	
			75600590 5410	377120460094	19.23	
			75600590 5410	377120460102	16.71	
			75600590 5410	311522760041	16.41	
			75600590 5410	311522760066	16.30	
			75600590 5410	311522760165	22.58	
			75600590 5410	311522760173	13.65	
			75600590 5410	311522760629	15.87	
			75600590 5410	377120460078	18.38	
			75600590 5410	175509260352	50.90	
			75600590 5410	175509260394	30.93	
			75700590 5410	364292260015	46.94	
<b>179517</b>	<b>9/28/23</b>	<b>ALPHA COMMUNICATIONS SITES INC</b>				<b>191.45</b>
			91000570 5530	SITE LEASE	191.45	
<b>179518</b>	<b>9/28/23</b>	<b>CITY OF SOUTH SALT LAKE</b>				<b>12.00</b>
			52000570 5400	465 E 3900 S	12.00	
<b>179519</b>	<b>9/28/23</b>	<b>CRS CONSULTING ENGINEERS INC</b>				<b>352.50</b>
			11000180 6010 4213	DW6/DW8 WELL REPAIRS	352.50	
<b>179520</b>	<b>9/28/23</b>	<b>CUMMINS SALES AND SERVICE</b>				<b>73.80</b>
			81000570 5330	MANIFOLD GASKETS.	73.80	
<b>179521</b>	<b>9/28/23</b>	<b>DALSOGLIO INC</b>				<b>548.30</b>
			81000570 5320	COOLANT FOR 118TH GENERATOR	548.30	
<b>179522</b>	<b>9/28/23</b>	<b>IMA, INC</b>				<b>1,355.36</b>
			51000650 5135	DIVERSIFIED INSURANCE GROUP	1,355.36	

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PAYMENT REGISTER - O&M ACCOUNT

**For the Period September 01, 2023 Through September 30, 2023**

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
<b>179523</b>	<b>9/28/23</b>	<b>DOMINION ENERGY</b>			<b>\$3,993.34</b>
		51000650 5420	8215 TEMPLE	2,460.43	
		71000590 5420	15305 S 3200 W	826.58	
		73000590 5420	8215 TEMPLE	615.11	
		75300590 5420	1200 E 9400 S	23.95	
		75300590 5420	2400 CREEK RD	32.69	
		75300590 5420	8153 S 700 E	16.65	
		75300590 5420	8200 S 1000 E	17.93	
<b>179524</b>	<b>9/28/23</b>	<b>HOT SHOT SPRINKLER REPAIR AND LANDSCAPE, LLC</b>			<b>4,036.72</b>
		62000570 5670	LOCALSCAPES CONTRACTOR REWARDS	3,633.05	
		62000570 5670	LOCALSCAPES DESIGNER REWARDS	403.67	
<b>179525</b>	<b>9/28/23</b>	<b>HOUSE OF PUMPS</b>			<b>50.19</b>
		81000570 5380	PRESSURE SWITCH FOR WASH DOWN PUMI	50.19	
<b>179526</b>	<b>9/28/23</b>	<b>JANICE LITSTER TRUST</b>			<b>611.55</b>
		62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	611.55	
<b>179527</b>	<b>9/28/23</b>	<b>LAYTON CITY</b>			<b>79.80</b>
		52000570 5400	997 W GENTILE	79.80	
<b>179528</b>	<b>9/28/23</b>	<b>LEGAL SHIELD</b>			<b>1,343.70</b>
		11000200 2135	PAYROLL 083123	1,343.70	
<b>179529</b>	<b>9/28/23</b>	<b>LIFELINE COMMUNITY HOA</b>			<b>10,961.50</b>
		62000570 5670	COMMERCIAL LANDSCAPE INCENTIVE PROG	10,961.50	
<b>179530</b>	<b>9/28/23</b>	<b>LINDE GAS &amp; EQUIPMENT</b>			<b>308.44</b>
		78000590 5720	GASSES FOR LAB INSTRUMENTS	308.44	
<b>179531</b>	<b>9/28/23</b>	<b>NAPA GENUINE AUTO PARTS COMPANY</b>			<b>241.39</b>
		81000570 5330	BATTERY, OIL FILTERS.	241.39	
<b>179532</b>	<b>9/28/23</b>	<b>NATIONAL MACHINE LLC</b>			<b>1,550.00</b>
		81071570 5380	NEW GATE NUTS FOR JWWT	1,550.00	
<b>179533</b>	<b>9/28/23</b>	<b>PORTER PAINTS</b>			<b>28.56</b>
		82101570 5310	2" CHIP BRUSHES FOR PAINTING	28.56	
<b>179534</b>	<b>9/28/23</b>	<b>PRESTON MITCHELL</b>			<b>990.03</b>
		60000650 5290	PRODUCT LED SUMMIT	990.03	
<b>179535</b>	<b>9/28/23</b>	<b>RAY QUINNEY &amp; NEBEKER</b>			<b>511.00</b>
		51000650 5284	15038-162	511.00	
<b>179536</b>	<b>9/28/23</b>	<b>REPUBLIC SERVICES INC</b>			<b>1,886.63</b>
		51000650 5350	ADMIN/MAINT	196.55	
		71071570 5350	JVWTP	458.73	
		72072570 5350	SERWTP	304.22	
		73073570 5350	SWGTP	330.64	
		83000570 5350	ADMIN/MAINT	204.15	
		83000570 5350	MAINT	392.34	
<b>179537</b>	<b>9/28/23</b>	<b>RIVERTON CHEVROLET</b>			<b>760.00</b>
		81000570 5330	AIR BAG LIGHT REPAIR.	760.00	
<b>179538</b>	<b>9/28/23</b>	<b>ROCKY MOUNTAIN POWER</b>			<b>35,216.12</b>
		70100590 5410	377220560017	35,216.12	

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PAYMENT REGISTER - O&M ACCOUNT

**For the Period September 01, 2023 Through September 30, 2023**

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
179539	9/28/23	<b>ROSEMOUNT INC</b> 91072570 5310	REPLACE PRESSURE TRANSMITTER ON RES	1,551.36	<b>\$1,551.36</b>
179540	9/28/23	<b>SANDY CITY</b> 75300590 5430	2580 E 9800 S	337.68	<b>337.68</b>
179541	9/28/23	<b>SELECTHEALTH</b> 11000200 2135	PAYROLL 093023	249,313.10	<b>249,313.10</b>
179542	9/28/23	<b>STANDARD PLUMBING SUPPLY/SPRINKLER WORLD</b> 81000570 5380 81071570 5380	PIPE, FITTINGS, SILVER SOLDER FOR JWTP PIPE, FITTINGS, SILVER SOLDER FOR JWTP	185.59 37.75	<b>223.34</b>
179543	9/28/23	<b>US BANK FINANCIAL</b> 11000200 2132	PCARDS 082623-092523	31,994.01	<b>31,994.01</b>
179544	9/28/23	<b>UTAH COMMUNICATIONS INC</b> 91000570 5530	MAINTENANCE CONTRACTS	40.00	<b>40.00</b>
179545	9/28/23	<b>VIKING PAINTING, LLC</b> 11000186 6010 4271	8-MG & 2-MG STEEL RES. PAINT AND REPAIR	39,738.50	<b>39,738.50</b>
179546	9/28/23	<b>WESTECH FUEL EQUIPMENT</b> 81071570 5380	3 CHEMICAL FEED PUMP SEALS	133.94	<b>133.94</b>
179547	9/28/23	<b>WIDDISON WELL SERVICES INC.</b> 11000180 6010 4281	1590 EAST WELL DEVELOPMENT	91,770.00	<b>91,770.00</b>
504649 EFT	9/12/23	<b>BAILEY STEWART</b> 62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	1,512.40	<b>1,512.40</b>
504650 EFT	9/12/23	<b>BARRETT BUSINESS SERVICES, INC</b> 52000650 5280 62000570 5350 62000570 5670	TEMP EMPLOYEES TIME TEMP EMPLOYEES TIME TEMP EMPLOYEES TIME	1,900.17 2,800.22 905.38	<b>5,605.77</b>
504651 EFT	9/12/23	<b>BOWEN COLLINS &amp; ASSOCIATES</b> 11000180 6010 4242 11000180 6010 4310 11000186 6010 4193 11000188 6010 4190	WELL DEVELOPMENT & TEST PUMPIN 13&64 WELL REPAIR FOUR RESERVOIRS REPAIRS PROJEC 3300 S PIPELINE REPLACEMENT	5,331.25 480.00 612.25 33,012.37	<b>39,435.87</b>
504652 EFT	9/12/23	<b>BRANDON CHARLESWORTH</b> 62000570 5670	LOCALSCAPES REWARDS PROGRAM PAYME	3,321.27	<b>3,321.27</b>
504653 EFT	9/12/23	<b>BRINKMANN INSTRUMENTS, INC</b> 78000590 5720	LAB STANDARDS	3,288.90	<b>3,288.90</b>
504654 EFT	9/12/23	<b>CORE &amp; MAIN</b> 75002570 5380 75002570 5380 82000570 5380	BRASS FITTINGS BRASS FITTINGS AND THREAD TAPE 18"HYD EXTENSION 6575 S VINECREST DR	53.92 49.23 520.58	<b>623.73</b>
504655 EFT	9/12/23	<b>DALINE ROSTRON FAMILY TRUST</b> 62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	2,380.00	<b>2,380.00</b>
504656 EFT	9/12/23	<b>DEVERL GLINES FAMILY LIVING TRUST</b> 62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	6,556.50	<b>6,556.50</b>

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PAYMENT REGISTER - O&M ACCOUNT

*For the Period September 01, 2023 Through September 30, 2023*

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
504658	EFT 9/12/23	<b>ENDRESS + HAUSER INC</b> 91000570 5310	REPLACE LEVEL TRANSMITTER BULK TANK 1	2,771.70	<b>\$2,771.70</b>
504659	EFT 9/12/23	<b>ENERGY MANAGEMENT CORPORATION</b> 91000570 5310	SERVICE CALL, REPLACEMENT FANS, PHASE	17,703.09	<b>17,703.09</b>
504660	EFT 9/12/23	<b>ENVIRONMENTAL RESOURCE ASSOCIATES</b> 78000590 5720	WS & WP PT STUDIES FOR AUG 2023	410.09	<b>410.09</b>
504661	EFT 9/12/23	<b>ESI ELEMENTAL SCIENTIFIC, INC</b> 78000590 5720	PART FOR ICP-MS	1,144.00	<b>1,144.00</b>
504662	EFT 9/12/23	<b>FERGUSON ENTERPRISES LLC</b> 82000570 5380 83071570 5380	2" CTS MALE COUPLINGS FOR 245 W PLYMOI SPRINKLER REPAIRS AT JVVWTP	887.10 815.64	<b>1,702.74</b>
504663	EFT 9/12/23	<b>HACH COMPANY</b> 91000570 5310 91072570 5310	ANALOG PH SENSOR ANALOG PH SENSOR	2,268.72 1,134.36	<b>3,403.08</b>
504664	EFT 9/12/23	<b>INTERNATIONAL DIOXIDE INC</b> 71000590 5710	CHEMICALS FOR JVVWTP - SODIUM CHLORITE	31,217.82	<b>31,217.82</b>
504665	EFT 9/12/23	<b>JACOBS ENGINEERING GROUP INC</b> 11000186 6010 4276	11800 SOUTH ZONE C RESERVOIR	64,230.00	<b>64,230.00</b>
504666	EFT 9/12/23	<b>KILGORE COMPANIES, LLC</b> 82000570 5380	ASPHALT & CONCRETE	1,858.14	<b>1,858.14</b>
504667	EFT 9/12/23	<b>MARCUS G FAUST PC</b> 51000650 5284	PROFESSIONAL CONSULTING SERVICES	3,000.00	<b>3,000.00</b>
504668	EFT 9/12/23	<b>MOUNTAINLAND SUPPLY COMPANY</b> 83071570 5380	SPRINKLER REPAIRS AT JVVWTP	363.82	<b>363.82</b>
504669	EFT 9/12/23	<b>MOWER MEDIC</b> 83000570 5350	PARTS FOR TRIMMER HEADS AND TRIMMER	189.96	<b>189.96</b>
504670	EFT 9/12/23	<b>NICKERSON COMPANY INC</b> 11000180 6010 4281	1590 WELL MOTOR REPAIRS	22,612.00	<b>22,612.00</b>
504671	EFT 9/12/23	<b>QUICK QUACK</b> 83000570 5360	CAR WASH TRIAL FOR FLEET VEHICLES	259.90	<b>259.90</b>
504672	EFT 9/12/23	<b>REED CHARLES</b> 62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	3,933.40	<b>3,933.40</b>
504673	EFT 9/12/23	<b>ROCKY MOUNTAIN VALVES &amp; AUTOMATION</b> 75000590 5290 80000570 5290	HYSRAULIC CONTROL VALVE TRAINING HYSRAULIC CONTROL VALVE TRAINING	583.37 1,166.63	<b>1,750.00</b>
504674	EFT 9/12/23	<b>SPRINKLER SUPPLY COMPANY</b> 51000000 6210 83000570 5350 83071570 5380	PVC PIPE AND PARTS TO REPAIR DAMAGE (6 PARTS TO FIX A BROKEN SPRINKLER LINE AT SPRINKLER REPAIRS AT JVVWTP	388.57 42.20 260.92	<b>691.69</b>
504675	EFT 9/12/23	<b>STAPLES BUSINESS ADVANTAGE</b> 51000650 5220 78000590 5720 80000570 5220	OFFICE SUPPLIES OFFICE SUPPLIES OFFICE SUPPLIES	796.38 39.22 253.79	<b>1,089.39</b>

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PAYMENT REGISTER - O&M ACCOUNT

For the Period September 01, 2023 Through September 30, 2023

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
504676	EFT 9/12/23	<b>STEPHEN LINDBERG</b> 62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	8,376.60	<b>\$8,376.60</b>
504677	EFT 9/12/23	<b>THATCHER COMPANY</b> 71000590 5710 71000590 5710 72000590 5710 72000590 5710	CHEMICALS FOR JVWTP - LIQUID CHLORINE CHEMICALS FOR JVWTP - PACL PURCHASE OF CHLORINE FOR THE FISCAL Y PURCHASE OF PACL FOR FISCAL YEAR 2024	26,400.00 28,581.95 15,737.81 14,597.42	<b>85,317.18</b>
504678	EFT 9/12/23	<b>TRAILBLAZER CONTROLS CORPORATION</b> 91071570 5310 91072570 5310 91073570 5310	PINCH VALVE FOR FLUORIDE CALIB PINCH VALVE FOR FLUORIDE CALIB PINCH VALVE FOR FLUORIDE CALIB	151.67 151.67 151.66	<b>455.00</b>
504679	EFT 9/12/23	<b>UTAH YAMAS CONTROLS INC</b> 71071570 5380 75000570 5380 75101570 5380	SECURITY SUPPLIES SECURITY SUPPLIES SECURITY SUPPLIES	8,385.00 12,020.00 2,795.00	<b>23,200.00</b>
504680	EFT 9/12/23	<b>VANCON INC</b> 11000184 6010 4199 11000188 6010 4190	10200 S 3600 W PUMP STATION 3300 S PIPELINE REPLACEMENT	345,767.92 33,725.00	<b>379,492.92</b>
504681	EFT 9/12/23	<b>VANGUARD CLEANING SYSTEMS OF UTAH</b> 83000570 5360 83071570 5360 83072570 5360 83073570 5360	JANITORIAL SERVICES JANITORIAL SERVICES JANITORIAL SERVICES JANITORIAL SERVICES	5,151.64 1,562.38 600.90 412.75	<b>7,727.67</b>
504682	EFT 9/12/23	<b>WAXIE SANITARY SUPPLY</b> 83000570 5350	JANITORIAL SUPPLIES	2,449.90	<b>2,449.90</b>
504683	EFT 9/12/23	<b>WEST WIND LITHO</b> 51000650 5220 62000570 5270	LETTERHEAD FOR THE DISTRICT ACTIVITY BOOKS - 3RD PRINTING	1,422.81 870.00	<b>2,292.81</b>
504684	EFT 9/12/23	<b>WW GRAINGER</b> 75000570 5380	CHEMICAL EYEWASH HEADS	177.36	<b>177.36</b>
504685	EFT 9/15/23	<b>ANDREW &amp; VANESSA CROSHAW FAMILY TRUST</b> 62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	2,565.60	<b>2,565.60</b>
504686	EFT 9/15/23	<b>ANGEL SELIS</b> 62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	12,673.74	<b>12,673.74</b>
504687	EFT 9/15/23	<b>BARRETT BUSINESS SERVICES, INC</b> 52000650 5280 62000570 5350 62000570 5670	TEMP EMPLOYEES TIME TEMP EMPLOYEES TIME TEMP EMPLOYEES TIME	1,775.25 3,203.34 938.99	<b>5,917.58</b>
504688	EFT 9/15/23	<b>BLUE STAKES OF UTAH</b> 82000570 5390	BLUE STAKES OF UTAH	3,522.60	<b>3,522.60</b>
504689	EFT 9/15/23	<b>CACHE VALLEY ELECTRIC</b> 90000650 5230 90071650 5230 90073650 5230 90077650 5230 90078650 5230 90101650 5230	REPLACEMENT CISCO PHONES REPLACEMENT CISCO PHONES REPLACEMENT CISCO PHONES REPLACEMENT CISCO PHONES REPLACEMENT CISCO PHONES REPLACEMENT CISCO PHONES	36.93 8.20 2.64 7.02 1.76 0.89	<b>57.44</b>

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PAYMENT REGISTER - O&M ACCOUNT

**For the Period September 01, 2023 Through September 30, 2023**

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
504690	EFT 9/15/23	<b>CDW GOVERNMENT INC</b> 90000650 5230	KIWI CAT TOOLS 1 YR MAINTENANCE SCADA	250.98	<b>\$250.98</b>
504691	EFT 9/15/23	<b>CHEMTECH-FORD INC</b> 77073590 5770	WATER QUALITY ANALYSIS	1,509.00	<b>1,509.00</b>
504692	EFT 9/15/23	<b>CINTAS CORPORATION</b> 71000590 5260	FIRST AID SUPPLIES	310.53	<b>310.53</b>
504693	EFT 9/15/23	<b>COLIN &amp; SARAH BLEDSOE</b> 62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	2,236.40	<b>2,236.40</b>
504694	EFT 9/15/23	<b>CORE &amp; MAIN</b> 75002570 5380	2 INCH BRASS NIPPLE, AND 2 INCH BALL VAL	97.24	<b>97.24</b>
504695	EFT 9/15/23	<b>DESERET NEWS</b> 51000650 5284	LEGAL NOTICE OF PROPOSED TAX INCREAS	450.00	<b>450.00</b>
504696	EFT 9/15/23	<b>ERIKS NORTH AMERICA</b> 81000570 5330	BRASS COUPLER, STEEL NIPPLE, VACTOR	96.52	<b>96.52</b>
504697	EFT 9/15/23	<b>EXPRESS AUTO GLASS INC</b> 81000570 5330	WIND SHIELD	449.00	<b>449.00</b>
504698	EFT 9/15/23	<b>GRAY MATTER SYSTEMS LLC</b> 90000650 5230 90071650 5230 90072650 5230 90073650 5230 90101650 5230	WIN911 SOFTWARE RENEWAL WIN911 SOFTWARE RENEWAL WIN911 SOFTWARE RENEWAL WIN911 SOFTWARE RENEWAL WIN911 SOFTWARE RENEWAL	1,000.00 400.00 800.00 400.00 400.00	<b>3,000.00</b>
504699	EFT 9/15/23	<b>HARRINGTON INDUSTRIAL PLASTICS LLC</b> 75000570 5380	MISC. FITTINGS FOR LUTZ PUMP	48.88	<b>48.88</b>
504700	EFT 9/15/23	<b>JULIE BURNETT</b> 62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	2,306.00	<b>2,306.00</b>
504701	EFT 9/15/23	<b>KILGORE COMPANIES, LLC</b> 51000000 6210	CONCRETE FOR DAMAGE AT 12600 S 4800 W	309.00	<b>309.00</b>
504702	EFT 9/15/23	<b>MARK &amp; JULIE REESE FAMILY TRUST</b> 62000570 5670	LOCALSCAPES REWARDS PROGRAM PAYME	833.00	<b>833.00</b>
504703	EFT 9/15/23	<b>MIKE LORENC</b> 62000570 5170	UNIFORM REIMBURSEMENT - SCHEELS - SAF	261.69	<b>261.69</b>
504704	EFT 9/15/23	<b>MOUNTAINLAND SUPPLY COMPANY</b> 82000570 5380	12-10" MACRO COUPLERS	7,037.64	<b>7,037.64</b>
504705	EFT 9/15/23	<b>OLYMPUS SAFETY &amp; SUPPLY LLC</b> 71000590 5170 80000570 5170	SAFETY UNIFORM ITEMS FOR TERRANCE CC MAINTENANCE SAFETY UNIFORM ORDERS	110.20 451.60	<b>561.80</b>
504706	EFT 9/15/23	<b>PROFESSIONAL PEST CONTROL LLC</b> 83000570 5350 83071570 5350 83072570 5350 83073570 5350	PEST CONTROL FOR THE MONTH OF AUGUS PEST CONTROL FOR THE MONTH OF AUGUS PEST CONTROL FOR THE MONTH OF AUGUS PEST CONTROL FOR THE MONTH OF AUGUS	270.00 200.00 200.00 50.00	<b>720.00</b>



# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PAYMENT REGISTER - O&M ACCOUNT

**For the Period September 01, 2023 Through September 30, 2023**

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
504707	EFT 9/15/23	<b>SANDRA DAVIS</b> 62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	1,910.50	<b>\$1,910.50</b>
504708	EFT 9/15/23	<b>SWC HEALTH WORKS INC</b> 71000590 5260 72000590 5260	RESPIRATOR FIT TESTS AND MEDICAL CLEANING RESPIRATOR FIT TESTS AND MEDICAL CLEANING	288.00 65.00	<b>353.00</b>
504709	EFT 9/15/23	<b>TALISMAN CIVIL CONSULTANTS</b> 11000160 6010 3910	HEADQUARTERS CAMPUS SITE IMPROVEMENT	13,715.00	<b>13,715.00</b>
504710	EFT 9/15/23	<b>THATCHER COMPANY</b> 71000590 5710 72000590 5710	CHEMICALS FOR JVVWTP - PACL PURCHASE FOR FLUORIDE FOR FISCAL YEAR	14,620.51 7,269.53	<b>21,890.04</b>
504711	EFT 9/15/23	<b>TIRE WORLD</b> 81000570 5330	TIRES FOR 736, FRONT END ALIGNMENT 722, TIRE	3,629.17	<b>3,629.17</b>
504712	EFT 9/15/23	<b>UTAH LAKE WATER USERS ASSOCIATION INC</b> 70000510 5810	ULWUA AUGUST 2023 MAINTENANCE	713.49	<b>713.49</b>
504713	EFT 9/15/23	<b>WATERFORD SERVICES, LLC</b> 75000590 5710	24 QTY BUCKETS OF ACCUTAB PUCKS	4,688.01	<b>4,688.01</b>
504714	EFT 9/15/23	<b>WHEELER</b> 81000570 5530	ASPHALT ROLLER LEASE	5,100.00	<b>5,100.00</b>
504715	EFT 9/15/23	<b>WINMARK STAMP &amp; SIGN INC</b> 83071570 5350	OFFICE NAME PLATE FOR BRAXTON MYLER	28.60	<b>28.60</b>
504716	EFT 9/15/23	<b>WNA SERVICES CO.</b> 51000650 5170	UTAH NEWS TRACKER READING CHARGE	150.00	<b>150.00</b>
504717	EFT 9/22/23	<b>AIRGAS USA, LLC</b> 81072570 5360	ACETYLENE TANK REFILL	29.32	<b>29.32</b>
504718	EFT 9/22/23	<b>ALEXANDRIA HUMPHRIES</b> 62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	604.00	<b>604.00</b>
504719	EFT 9/22/23	<b>BUCHANAN ACCESS SYSTEMS LLC</b> 81000570 5380	REPLACE THE CONTROLS ON THE RO GATE	1,990.00	<b>1,990.00</b>
504720	EFT 9/22/23	<b>CHEMTECH-FORD INC</b> 77000590 5770 77071590 5770 77072590 5770 77073590 5770 77075590 5770	WATER QUALITY ANALYSIS WATER QUALITY ANALYSIS WATER QUALITY ANALYSIS WATER QUALITY ANALYSIS WATER QUALITY ANALYSIS	150.02 150.04 352.99 1,523.94 503.01	<b>2,680.00</b>
504721	EFT 9/22/23	<b>COMFORT SYSTEMS USA</b> 81000570 5380	REPLACEMENT HVAC FOR ADMIN GM OFFICE	11,990.00	<b>11,990.00</b>
504722	EFT 9/22/23	<b>CORRIO CONSTRUCTION, INC.</b> 11000188 6010 4204	ZONE D CHEMICAL FEED FACILITY	127,771.63	<b>127,771.63</b>
504723	EFT 9/22/23	<b>DANIEL L CLAYPOOL</b> 81000570 5340	FUEL REIMBURSEMENT	38.19	<b>38.19</b>
504724	EFT 9/22/23	<b>FINLINSON &amp; FINLINSON PLLC</b> 51000650 5284	PREP 60	16,565.00	<b>16,565.00</b>

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PAYMENT REGISTER - O&M ACCOUNT

**For the Period September 01, 2023 Through September 30, 2023**

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
504725	EFT 9/22/23	<b>FOLIAGE, INC</b> 51000650 5350	PLANT SERVICES	420.00	<b>\$420.00</b>
504726	EFT 9/22/23	<b>HACH COMPANY</b> 91000570 5310 91071570 5310 91071570 5310 91072570 5310 91072570 5310 91073570 5310	FLOW REGULATOR 800 NTU & 800 MNTU STANDARD FORMAZINE FLOW REGULATOR 800 NTU & 800 MNTU STANDARD FORMAZINE FLOW REGULATOR FLOW REGULATOR	382.76 2,677.20 382.76 1,275.12 382.76 191.38	<b>5,291.98</b>
504727	EFT 9/22/23	<b>HARRINGTON INDUSTRIAL PLASTICS LLC</b> 81071570 5380 81072570 5380	CHECK VALVES BALL VALVE AND GASKETS F CHECK VALVES BALL VALVE AND GASKETS F	545.16 736.67	<b>1,281.83</b>
504728	EFT 9/22/23	<b>INFINITY CORROSION GROUP INC</b> 11000178 6010 4317 11000186 6010 4271	JA CATHODIC TROUBLESHOOTING 8-MG & 2-MG STEEL RESERVOIRS P	8,130.35 12,943.78	<b>21,074.13</b>
504729	EFT 9/22/23	<b>JEREMIAH TELLO</b> 71000590 5290	D4 TEST REIMBURSEMENT	174.00	<b>174.00</b>
504730	EFT 9/22/23	<b>KONECRANES, INC.</b> 81071570 5380	REPAIR OF CHLORINE HOIST	2,919.14	<b>2,919.14</b>
504731	EFT 9/22/23	<b>MCWANE POLES, INC</b> 11000194 6010 4329	CASTO SPRINGS IRON POLE INSTALLATION	3,383.76	<b>3,383.76</b>
504732	EFT 9/22/23	<b>MONSEN ENGINEERING INC</b> 81000196 6010	TRIMBLE R12I GPS UNIT FOR I/L SECTION	37,253.21	<b>37,253.21</b>
504733	EFT 9/22/23	<b>MOUNTAINLAND ELECTRIC MOTOR</b> 81072570 5380	REPAIR BOILER PUMP SERWTP	904.17	<b>904.17</b>
504734	EFT 9/22/23	<b>MOUNTAINLAND SUPPLY COMPANY</b> 75002570 5380	ACCUMAG BATTERY	327.28	<b>327.28</b>
504735	EFT 9/22/23	<b>MURRAY CITY CORPORATION</b> 75309590 5410	350 E 4500 S PUMP	56.20	<b>56.20</b>
504736	EFT 9/22/23	<b>ROBERT I MERRILL COMPANY</b> 81000570 5360	DOOR KNOB FOR 2300 AND 98TH	305.00	<b>305.00</b>
504737	EFT 9/22/23	<b>ROCKY MOUNTAIN WIRE ROPE</b> 81000570 5310	LIFTING SLINGS FOR SERVICE TRUCKS AND	407.85	<b>407.85</b>
504738	EFT 9/22/23	<b>ROYAL WHOLESALE ELECTRIC</b> 91071570 5310 91071570 5310	REPLACE PLC CARDS UPGRADE BOILER AND COMPRESSOR	591.14 2,502.32	<b>3,093.46</b>
504739	EFT 9/22/23	<b>SHALA JOHNSON</b> 62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	1,398.62	<b>1,398.62</b>
504740	EFT 9/22/23	<b>SKYLINE ELECTRIC COMPANY</b> 91000570 5310	SERVICE TO CHECK P2 AT 5700 W 10200 S HI	190.00	<b>190.00</b>
504741	EFT 9/22/23	<b>THATCHER COMPANY</b> 71000590 5710 75000590 5710 75000590 5710	CHEMICALS FOR JWTP - PACL FLUORIDE FOR DISTRIBUTION SYSTEM. SODIUM HYPOCHLORITE FOR DIST.	17,693.79 7,062.90 14,023.54	<b>38,780.23</b>

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PAYMENT REGISTER - O&M ACCOUNT

**For the Period September 01, 2023 Through September 30, 2023**

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
504742	EFT 9/22/23	<b>TIRE WORLD</b> 81000570 5330	TIRES FOR 730, TIRES FOR 724, FRONT END.	3,096.79	<b>\$3,096.79</b>
504743	EFT 9/22/23	<b>VANCON INC</b> 11000182 6010 4070 11000182 6010 4277 11000184 6010 4083 82000570 5380	JVWTP BLOWER ROOM ACOUSTICAL I JVWTP BASINS 3-6 UPGRADES AC MITIGATION & MONITORING PROJECT BUTT STRAPS FOR THE 16" STEEL LINE	3,462.23 65,208.72 33,250.00 1,847.00	<b>103,767.95</b>
504744	EFT 9/29/23	<b>AYDEN HAMILTON</b> 80000570 5290	REIMBURSEMENT FOR CDL LIC AND TANKER	61.00	<b>61.00</b>
504745	EFT 9/29/23	<b>BATEMAN MOBIL 1 LUBE EXPRESS</b> 81000570 5360	EMISSIONS	36.00	<b>36.00</b>
504746	EFT 9/29/23	<b>BARRETT BUSINESS SERVICES, INC</b> 52000650 5280 62000570 5350 62000570 5670	TEMP EMPLOYEES TIME TEMP EMPLOYEES TIME TEMP EMPLOYEES TIME	7,022.11 9,510.08 2,719.92	<b>19,252.11</b>
504747	EFT 9/29/23	<b>BROWN AND CALDWELL CORP.</b> 11000140 6010 4294	LCRR SERVICE LINE INVENTORY	3,167.50	<b>3,167.50</b>
504748	EFT 9/29/23	<b>CACHE VALLEY ELECTRIC</b> 90000650 5230	CISCO PHONE SYSTEM BRIDGE CONSOLE S	3,900.00	<b>3,900.00</b>
504749	EFT 9/29/23	<b>CAMERON BECK</b> 62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	10,805.10	<b>10,805.10</b>
504750	EFT 9/29/23	<b>CARENOW</b> 51000650 5170	DOT, PHYSICAL, RANDOM & NEW HIRE DRUG	554.00	<b>554.00</b>
504751	EFT 9/29/23	<b>CAROLIN A METZGER</b> 62000570 5670	FLIP YOUR STRIP PAYMENT	900.00	<b>900.00</b>
504752	EFT 9/29/23	<b>CAROLLO ENGINEERS INC</b> 11000182 6010 4289	JVWTP FILTER AND CHEMICAL FEED	103,003.07	<b>103,003.07</b>
504753	EFT 9/29/23	<b>CDW GOVERNMENT INC</b> 90000650 5230 90000650 5230	ADOBE CREATIVE CLOUD AND ILLUSTRATOR KIWI SYSLOG SERVER LICENSE RENEWAL	3,475.08 130.00	<b>3,605.08</b>
504754	EFT 9/29/23	<b>CENTRAL UTAH WATER CONSERVANCY DISTRICT</b> 70000510 5810	CUWCD CWP WATER DELIVERIES AUGUST	1,222,133.50	<b>1,222,133.50</b>
504755	EFT 9/29/23	<b>CENTURYLINK / LUMEN</b> 90000650 5230 90071650 5230 90072650 5230 90101650 5230	VARIOUS LOCATIONS VARIOUS LOCATIONS VARIOUS LOCATIONS VARIOUS LOCATIONS	497.10 497.10 974.21 1,154.59	<b>3,123.00</b>
504756	EFT 9/29/23	<b>CHEMTECH-FORD INC</b> 77000590 5770 77071590 5770 77073590 5770 77075590 5770	WATER QUALITY ANALYSIS WATER QUALITY ANALYSIS WATER QUALITY ANALYSIS WATER QUALITY ANALYSIS	150.00 185.00 85.98 956.02	<b>1,377.00</b>
504757	EFT 9/29/23	<b>CORE &amp; MAIN</b> 75002570 5380	2 INCH ANGLE BALL VALVE	455.34	<b>455.34</b>

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PAYMENT REGISTER - O&M ACCOUNT

*For the Period September 01, 2023 Through September 30, 2023*

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
504758	EFT 9/29/23	<b>CORRIO CONSTRUCTION, INC.</b> 11000184 6010 4209	11800 S PUMP STATION UPGRADES	49,512.61	<b>\$49,512.61</b>
504759	EFT 9/29/23	<b>DARCY DOUGLAS REVOCABLE TRUST</b> 62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	2,596.50	<b>2,596.50</b>
504760	EFT 9/29/23	<b>DEVOLUTIONS INC</b> 90000650 5230	REMOTE DESKTOP MANAGER ENTERPRISE I	674.97	<b>674.97</b>
504761	EFT 9/29/23	<b>DLT SOLUTIONS LLC</b> 90000650 5230	RENEW AUTODESK GIS SOFTWARE	395.00	<b>395.00</b>
504762	EFT 9/29/23	<b>ERIKS NORTH AMERICA</b> 81000570 5330 81000570 5380	WASHBAY HOSES 1/4" BRASS COUPLER, SPRAY GUN AND WAN	54.53 154.30	<b>208.83</b>
504763	EFT 9/29/23	<b>FERGUSON ENTERPRISES LLC</b> 75002570 5380	GASKETS, CLAMP, BUSHING	432.44	<b>432.44</b>
504764	EFT 9/29/23	<b>GE DIGITAL LLC</b> 90000650 5230 90071650 5230 90072650 5230 90073650 5230	ANNUAL RENEWAL OF SCADA SOFTWARE M/ ANNUAL RENEWAL OF SCADA SOFTWARE M/ ANNUAL RENEWAL OF SCADA SOFTWARE M/ ANNUAL RENEWAL OF SCADA SOFTWARE M/	29,580.17 12,686.00 12,108.16 11,102.70	<b>65,477.03</b>
504765	EFT 9/29/23	<b>GEOSYNTEC</b> 11000186 6010 4271	8-MG & 2-MG STEEL RESERVOIRS PAINT AND	4,312.69	<b>4,312.69</b>
504766	EFT 9/29/23	<b>HACH COMPANY</b> 71000590 5720 72000590 5720	LAB PRODUCTS ANNUAL TURBIDIMETER CALIBRATION	319.93 497.50	<b>817.43</b>
504767	EFT 9/29/23	<b>HANSEN ALLEN &amp; LUCE INC</b> 11000188 6010 4204 11000180 6010 4280 52000650 5280	ZONE D CHEMICAL FEED FACILITY EQUIPPING OF 76&7 AND 78&10 WE HYDRAULIC MODELING SERVICES	9,333.40 24,883.15 781.00	<b>34,997.55</b>
504768	EFT 9/29/23	<b>HARRINGTON INDUSTRIAL PLASTICS LLC</b> 75000570 5380	MISC.PVC FITTINGS FOR MONITOR WELL	175.63	<b>175.63</b>
504769	EFT 9/29/23	<b>INTERNATIONAL DIOXIDE INC</b> 71000590 5710	CHEMICALS FOR JWTP - SODIUM CHLORITE	31,232.27	<b>31,232.27</b>
504770	EFT 9/29/23	<b>JACOBS ENGINEERING GROUP INC</b> 77073590 5770	GSL BIRD SURVEY	2,538.35	<b>2,538.35</b>
504771	EFT 9/29/23	<b>JENNIFER DEVEY TRUST</b> 62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	6,566.34	<b>6,566.34</b>
504772	EFT 9/29/23	<b>JOHNSON CONTROLS INC</b> 81072570 5380	DIAGNOSE AND REPAIR FIRE ALARM SERWT	1,137.00	<b>1,137.00</b>
504773	EFT 9/29/23	<b>KAREN RAWLINGS</b> 62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	13,834.68	<b>13,834.68</b>
504774	EFT 9/29/23	<b>KILGORE COMPANIES, LLC</b> 83072570 5380	CONCRETE CURB/GUTTER FOR SERWTP	906.00	<b>906.00</b>

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PAYMENT REGISTER - O&M ACCOUNT

**For the Period September 01, 2023 Through September 30, 2023**

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
504775	EFT 9/29/23	<b>K.O.H. MECHANICAL CONTRACTORS, INC</b> 11000182 6010 4279	JVWTP BOILERS REPLACEMENT PROJ	74,872.92	<b>\$74,872.92</b>
504776	EFT 9/29/23	<b>KWIK KOPY PRINTING</b> 51000650 5220	OFFICE SUPPLIES	48.00	<b>48.00</b>
504777	EFT 9/29/23	<b>METROPOLITAN WATER DISTRICT</b> 70000510 5810	MWDSLS AUGUST 2023 WATER DELIVERIES	86,411.57	<b>86,411.57</b>
504778	EFT 9/29/23	<b>MICRO MOTION INC</b> 75001570 5380	12 INCH MAG METER	6,716.06	<b>6,716.06</b>
504779	EFT 9/29/23	<b>MOUNTAINLAND SUPPLY COMPANY</b> 75002570 5380	BATTERY FOR ACCUMAG	280.53	<b>280.53</b>
504780	EFT 9/29/23	<b>NELSON BROTHERS CONSTRUCTION COMPANY</b> 11000184 6010 4275	INSTALL PUMP #1 AT OLD BINGHAM	84,140.55	<b>84,140.55</b>
504781	EFT 9/29/23	<b>OLYMPUS SAFETY &amp; SUPPLY LLC</b> 91000570 5260 80000570 5170 80000570 5260	MSA CONFINED SPACE AIR TESTER UNIFORM COAT ORANGE SAFETY VESTS	830.00 47.40 280.00	<b>1,157.40</b>
504782	EFT 9/29/23	<b>PILOT THOMAS LOGISTICS</b> 75300570 5360	TWO 55 GALLON DRUMS OF MINERAL OIL.	2,120.54	<b>2,120.54</b>
504783	EFT 9/29/23	<b>PLATT ELECTRIC SUPPLY INC</b> 81071570 5380	WIRE FOR LIGHTING PROJECT JVWTP	91.22	<b>91.22</b>
504784	EFT 9/29/23	<b>RAILPROS</b> 11000188 6010 4190	3300 SOUTH PIPELINE REPLACEMENT	24,000.00	<b>24,000.00</b>
504785	EFT 9/29/23	<b>ROBERT I MERRILL COMPANY</b> 81000570 5360	PAD LOCKS FOR SYSTEM GATES, HATCHES,	420.00	<b>420.00</b>
504786	EFT 9/29/23	<b>ROCKY MOUNTAIN VALVES &amp; AUTOMATION</b> 75000570 5380 75000570 5380	CREDIT PILOT FOR INLINE REGULATOR AT 11 & 45	-725.60 998.59	<b>272.99</b>
504787	EFT 9/29/23	<b>ROYAL WHOLESALE ELECTRIC</b> 91000570 5310 91000570 5310	485 CONVERTER FOR MAGNA METER WIRE TRAY AND DIN RAIL FOR 36 & 102 RTU F	619.74 531.60	<b>1,151.34</b>
504788	EFT 9/29/23	<b>SMITH &amp; EDWARDS</b> 80000570 5260	NEW HIRE SAFETY BOOTS	199.95	<b>199.95</b>
504789	EFT 9/29/23	<b>SWIRE COCA-COLA USA</b> 51000650 5170	COKE PRODUCTS	153.16	<b>153.16</b>
504790	EFT 9/29/23	<b>TERRANCE J COOK</b> 51000650 5180	TRAINING REIMBURSEMENT	3,775.00	<b>3,775.00</b>
504791	EFT 9/29/23	<b>THATCHER COMPANY</b> 71000590 5710 71000590 5710 71000590 5710 75000590 5710	CHEMICALS FOR JVWTP - HYDROFLUOROSIL CHEMICALS FOR JVWTP - LIQUID CHLORINE CHEMICALS FOR JVWTP - PACL SODIUM HYPOCHLORITE FOR DIST.	32,783.88 12,000.00 20,951.46 6,041.10	<b>71,776.44</b>

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PAYMENT REGISTER - O&M ACCOUNT

**For the Period September 01, 2023 Through September 30, 2023**

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
<b>504792</b>	<b>EFT 9/29/23</b>	<b>THE DATA CENTER</b>			<b>\$1,786.86</b>
		60000650 5250	SEPTEMBER 2023 BILLING	1,786.86	
<b>504793</b>	<b>EFT 9/29/23</b>	<b>UTAH YAMAS CONTROLS INC</b>			<b>6,984.44</b>
		90000650 5230	ACCESS CONTROL SOFTWARE SUPPORT CA	95.00	
		90071650 5230	SECURITY CAMERA REPAIRS AT JWWT	774.44	
		90101650 5230	SECURITY CAMERA REPAIR AT THE CWP CHE	525.00	
		75000570 5380	SECURITY SUPPLIES	5,590.00	
<b>504794</b>	<b>EFT 9/29/23</b>	<b>VEOLIA WTS ANALYTICAL INSTRUMENTS, INC</b>			<b>4,455.00</b>
		72000590 5720	TOC MAIL-IN REPAIR (FLAT RATE REPAIR)	4,455.00	
<b>504795</b>	<b>EFT 9/29/23</b>	<b>WW GRAINGER</b>			<b>3,359.03</b>
		91072570 5310	REPLACE MOTOR BRUSH B-POLY PUMPS	233.88	
		71071570 5380	SOLENOID VALVE FOR AIR SCOUR BLOWER	165.98	
		72000590 5260	(2) TOTES FOR GAS MASKS (2) SAFETY HEAT	191.86	
		81000570 5380	PUMP, HEATER, BUSHING FOR JWWT, MOT	1,015.46	
		81071570 5380	PUMP, HEATER, BUSHING FOR JWWT, MOT	1,751.85	
<b>REPORT TOTAL:</b>					<b><u><u>\$6,624,104.59</u></u></b>

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PAYROLL CHECKS, ACH & WIRE TRANSFER REGISTER - O&M ACCOUNT

*For the Period September 01, 2023 Through September 30, 2023*

PAYMENT DATE	PAYMENT TYPE	VENDOR NAME	DESCRIPTION	PAYMENT AMOUNT
9/5/2023	ACH	EMPLOYEE	EMPLOYEE DIRECT DEPOSITS	421,426.97
9/5/2023	ACH	IRS	FEDERAL & MEDICARE TAXES	69,757.28
9/5/2023	ACH	URS	STATE RETIREMENT	104,698.60
9/5/2023	ACH	HEALTHEQUITY	EMPLOYEE H.S.A. CONTRIBUTIONS	14,604.58
9/5/2023	ACH	CIGNA HEALTHCARE	EMPLOYEE DENTAL & LIFE INS	18,259.38
9/5/2023	ACH	FIDELITY	SUB SOCIAL SECURITY CONTRIB.	67,093.79
9/6/2023	ACH	EMPLOYEES	EMPLOYEE RECOGNITION / SAFETY	732.46
9/12/2023	ACH	EMPLOYEES	EMPLOYEE RECOGNITION / SAFETY	184.70
9/19/2023	ACH	EMPLOYEES	EMPLOYEE RECOGNITION / SAFETY	5,363.91
9/20/2023	ACH	EMPLOYEE	EMPLOYEE DIRECT DEPOSITS	390,629.41
9/20/2023	ACH	IRS	FEDERAL & MEDICARE TAXES	62,653.57
9/20/2023	ACH	URS	STATE RETIREMENT	97,716.53
9/20/2023	ACH	HEALTHEQUITY	EMPLOYEE H.S.A. CONTRIBUTIONS	14,479.58
9/20/2023	ACH	CIGNA HEALTHCARE	EMPLOYEE DENTAL & LIFE INS	18,103.04
9/20/2023	ACH	FIDELITY	SUB SOCIAL SECURITY CONTRIB.	62,072.93
9/26/2023	ACH	EMPLOYEES	EMPLOYEE RECOGNITION / SAFETY	2,448.43
9/28/2023	ACH	EMPLOYEES	EMPLOYEE RECOGNITION / SAFETY	15.00
REPORT TOTAL:				<u>\$ 1,350,240.16</u>

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PURCHASE CARD TRANSACTIONS

For the Period 9/1/2023 Through 9/30/2023

DATE	CARD HOLDER	VENDOR NAME	DESCRIPTION	GL	AMOUNT
9/1/2023	TERESA ATKINSON	FACEBK U4ZWWSKFF2	FACEBOOK - META - CONSERVATION ADS REF#U4ZWWSKFF2 \$409.63	62000570 5270	409.63
9/1/2023	TERESA ATKINSON	FACEBK X9SCGS7NJ2	FACEBOOK - META - LOCALSCAPES ADS 8-25 to 8-29 2023 REF#X9SCGS7NJ2 \$89.56	62000570 5270	89.56
9/1/2023	LISA KASTELER	WWW COSTCO COM	OFFICE CHAIR FO RCASEY CANNON	75000590 5220	214.49
9/1/2023	DUSTIN BRUSCH	AMZN MKTP US*TL9OB84F2	REPLACE HART COMMUNICATOR	91000570 5310	399.00
9/1/2023	TERESA ATKINSON	FACEBK 5KTDESTC72	FACEBOOK - META - CONSERVATION ADS REF#5KTDESTC72 \$40.41	62000570 5270	40.41
9/1/2023	LISA KASTELER	IN *LOUMIS CDL TESTING	CDL DRIVERS TEST FOR LIAM MCEWAN & MICHAEL BRINTON	80000570 5290	516.00
9/1/2023	SHANE SWENSEN	AMERICAN WATER WORKS ASSO	AWWA MEMBERSHIP - SHANE SWENSEN	52000650 5170	255.00
9/1/2023	JEFFREY SMALL	THE HOME DEPOT #4421	SELF LEVELING SEALANT FOR NEWBURY FLU VAULT LIDS	75000570 5380	50.04
9/4/2023	HAYDEN COZIAR	THE HOME DEPOT 4410	PARTS TO FIX THE BACKFLOW AT 32 AND 62	83000570 5350	82.52
9/4/2023	MINDY KEELING	LT. GOVERNOR - ONLINE	ENTITY RENEWAL - JV CONSERVATION GARDENS FOUNDATION	51000650 5284	25.00
9/4/2023	MICHAEL LORENC	SPRINKLER SUPPLY	VALVE BOX AND OTHER IRRIGATION PARTS	62000570 5350	175.05
9/4/2023	DAVID HYDE	AMAZON.COM*TL0S164F0	TOILET PARTS FOR ED CENTER	81000570 5380	45.34
9/4/2023	DAVID HYDE	AMZN MKTP US*T36CY29E1	NEW GFCI CORD FOR DRAIN SNAKE	81000570 5380	137.55
9/4/2023	SHANE SWENSEN	AMZN MKTP US*TL0JN81D2	HARD HAT FOR DON OLSEN	52000650 5170	19.97
9/4/2023	DUSTIN BRUSCH	EBAY O*26-10476-59392	REPLACE PRESSURE SWITCH 13400 S BOOSTER P1	91000570 5310	115.60
9/6/2023	ALEX MITCHELL	AMZN MKTP US*TL8B14UE2	LAB SUPPLIES	73000590 5720	121.70
9/6/2023	ALICIA SEKILLER	DELTA 0062171018356	FLIGHT TO VEGAS FOR COURTNEY BROWN TO WATERSMART	62000570 5290	288.80
9/6/2023	ALICIA SEKILLER	DELTA 0064104545006	SEAT SELECTION FOR MATT OLSEN FOR WATERSMART	51000650 5290	29.99
9/6/2023	TERESA ATKINSON	PLURALSIGHT	PLURALSIGHT INV# 12163534 9-5-23 TO 9-4-24 \$385.01 - (TAX EXEMPTION SENT)	60000650 5270	385.01
9/6/2023	BRYAN SMITH	THE UPS STORE 2014	DELIVERY OF TOC TO BE REPAIRED	72000590 5720	610.47
9/6/2023	JACKIE BUHLER	UPS*BILLING CENTER	PAYMENT FOR INVOICE #0000A3278X353	51000650 5250	14.98
9/7/2023	ALICIA SEKILLER	DELTA AIR SEAT FEES	SEAT SELECTION FOR MATT OLSEN TO WATERSMART	51000650 5290	29.99
9/7/2023	ALICIA SEKILLER	DELTA AIR SEAT FEES	SEAT SELECTION FOR MATT OLSEN FROM WATERSMART	51000650 5290	29.99
9/7/2023	ALICIA SEKILLER	DELTA AIR SEAT FEES	SEAT SELECTION FOR COURTNEY BROWN TO WATERSMART	62000570 5290	29.99
9/7/2023	TERESA ATKINSON	AMZN MKTP US*TL05X1K00	AMAZON ORDER # 112-2940836-3027445 DAVID GREGORY - USBC ADAPTERS x7 \$105.63	90000650 5230	105.63



# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PURCHASE CARD TRANSACTIONS

For the Period 9/1/2023 Through 9/30/2023

DATE	CARD HOLDER	VENDOR NAME	DESCRIPTION	GL	AMOUNT
9/7/2023	LAINA MCGINTY	AMZN MKTP US*TL1NP58X1	20 YEARS SERVICE AWARD FOR STEVE HANSEN	51000650 5170	39.99
9/7/2023	JORDAN TOMSIC	AMZN MKTP US*TL2GD67T0	SAFETY GLOVES	91000570 5260	22.58
9/7/2023	NATHAN TALBOT	AMZN MKTP US*TL2PK78S1	REPLACEMENT CHAIRS FOR OPERATIONS OFFICE.	75000590 5220	1,539.93
9/7/2023	JORDAN TOMSIC	AMZN MKTP US*TL6RK3ME1	SAFETY GLOVES	91000570 5260	106.31
9/7/2023	ALICIA SEKILLER	DELTA AIR 0062171763638	FLIGHT TO VEGAS FOR WATERSMART CONFERENCE FOR MATT OLSEN	51000650 5170	288.80
9/7/2023	SPENCER ANDERSON	OFFICE SIGN COMPANY	OFFICE SIGN FOR THE ADMINISTRATION RESERVABLE OFFICE	83000570 5350	178.99
9/8/2023	LAINA MCGINTY	AMZN MKTP US*TL5U80611	20 YEARS SERVICE AWARD FOR STEVE HANSEN	51000650 5170	379.99
9/8/2023	ALICIA SEKILLER	EB UTAH PUBLIC INFORM	REGISTRATION FOR PIO CONFERENCE FOR KYLE ALLCOTT	60000650 5290	348.65
9/8/2023	ALLEN CURTIS	THE HOME DEPOT #4410	LED LIGHTS FOR WEBSTER WELL	81000570 5380	20.98
9/11/2023	MICHAEL BROWN	THE HOME DEPOT #4410	PARTS TO SECURE THE LOFT IN THE NEW SHED	83000570 5350	42.80
9/11/2023	DANIEL CLAYPOOL	HARBOR FREIGHT TOOLS 292	GAS CANS FOR THE GENERATOR AT THE TERMINAL	81000570 5310	57.97
9/11/2023	JORDAN TOMSIC	THE HOME DEPOT #4409	PARTS FOR THE SCADA ALARM LIGHT AT SOUTH EAST	91072570 5310	179.59
9/11/2023	MINDY KEELING	THE SALT LAKE TRIBUNE	PAYMENT FOR LEGAL NOTICE - PROPOSED TAX INCREASE	51000650 5284	900.00
9/11/2023	TERESA ATKINSON	VILLAGE BAKER INC	VILLAGE BAKER -MONDAY- RECEIPT \$129.93	60000650 5270	129.93
9/11/2023	BRYAN SMITH	AMAZON.COM*TR8O95FV0	SAFETY CONE HOLDERS	72000590 5260	159.46
9/11/2023	LAINA MCGINTY	AMZN MKTP US*TR7IV4LM0	15 YEARS SERVICE AWARD FOR JT CRACROFT	51000650 5170	40.00
9/11/2023	LAINA MCGINTY	AMZN MKTP US*TR8WE83X0	20 YEARS SERVICE AWARD FOR STEVE HANSEN	51000650 5170	79.99
9/11/2023	TERESA ATKINSON	MICROSOFT#G028271860	AZURE AUGUST 2023 G028271860 \$1095.52	90000650 5230	1,095.52
9/12/2023	LAINA MCGINTY	SMITHS MRKTPL #4495	BOARD MEETING REFRESHMENTS	51000660 5220	131.90
9/12/2023	MICHAEL LORENC	SPRINKLER SUPPLY	PVC PRIMER AND CEMENT	62000570 5350	90.62
9/12/2023	YVETTE AMPARO	SMK*SURVEYMONKEY.COM	ANNUAL MEMBERSHIP FEE	51005650 5290	288.00
9/12/2023	JACKIE BUHLER	UPS*BILLING CENTER	PAYMENT FOR INVOICE #0000A3278X363	51000650 5250	35.71
9/13/2023	DANIEL CLAYPOOL	THE HOME DEPOT 4406	EXTENTION CORDS AND 2X4 FOR THE TEMP POWER GENERATOR AT TERMINAL	81000570 5310	478.49
9/13/2023	MICHAEL LORENC	SPRINKLER SUPPLY	IRRIGATION PARTS	62000570 5350	31.59
9/13/2023	TERESA ATKINSON	VILLAGE BAKER INC	VILLAGE BAKER -THURSDAY RECEIPT \$178.97 (2)	60000650 5270	178.97
9/13/2023	LAINA MCGINTY	AMZN MKTP US*TR82J47L0	15 YEARS SERVICE AWARD FOR JT CRACROFT	51000650 5170	300.00
9/13/2023	LAINA MCGINTY	KNEADERS OF JORDAN LANDIN	BOARD MEETING REFRESHMENTS	51000660 5220	141.97

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PURCHASE CARD TRANSACTIONS

For the Period 9/1/2023 Through 9/30/2023

DATE	CARD HOLDER	VENDOR NAME	DESCRIPTION	GL	AMOUNT
9/14/2023	LAINA MCGINTY	KNEADERS OF JORDAN LANDIN	BOARD MEETING REFRESHMENTS DELIVERY FEE	51000660 5220	10.00
9/14/2023	TERESA ATKINSON	AMZN MKTP US*TR2G65YX0	AMAZON ORDER #112-8127992-8024257 DAVID GREGORY - WEBCAM - JOSH SHREWSBURY \$29.99	90072650 5230	29.99
9/14/2023	JACKIE BUHLER	AMZN MKTP US*TR5195I82	BUSINESS CARD HOLDER FOR BEN	51000650 5220	16.88
9/14/2023	TERESA ATKINSON	SP OWL LABS	OWL LABS - EAST CONFERENCE ROOM OWL \$764.15	90000650 5230	764.15
9/14/2023	TERESA ATKINSON	SP OWL LABS	OWL LABS - EAST CONFERENCE ROOM OWL LOCK ADAPTER \$52.55	90000650 5230	52.55
9/14/2023	DUSTIN BRUSCH	BOLT & NUT SUPPLY MIDVALE	SCREWS, WASHERS AND LOCK WASHERS FOR FW PUMP 2 CAPS	91073570 5310	6.83
9/14/2023	TERESA ATKINSON	STK*SHUTTERSTOCK	SHUTTERSTOCK ORDER ID# CS-0B187-5700 \$245.60	60000650 5270	245.60
9/14/2023	JORDAN TOMSIC	PLATT ELECTRIC 064	WIRE FOR THE NEW SHEDS FOR BRAD BOREN	91000570 5310	356.73
9/14/2023	JORDAN TOMSIC	CODALE- MIDVALE	WIRE FOR THE SOUTH VALLEY VALVE CABINET	91000570 5310	414.68
9/14/2023	MICHAEL LORENC	JORDAN MOWER	CHAINSAW BLADES	62000570 5350	176.94
9/14/2023	JEFFREY SMALL	THE HOME DEPOT #4421	MISC. FITTINGS FOR NEWBURY WELL CL2 SYSTEM.	75000570 5380	21.69
9/14/2023	BEVERLY PARRY	UTAH ASSN OF SPECIAL DIST	UASD REGISTRATION - DAVE MARTIN AND AUBREY MENON	51000650 5290	315.00
9/15/2023	HAYDEN COZIAR	HARBOR FREIGHT TOOLS 292	TIRES FOR THE PULL BEHIND SPRAYER AND A CHAINWAS BLADE SHARPENER	83000570 5350	94.95
9/15/2023	HAYDEN COZIAR	THE HOME DEPOT #4410	PRG BOARD FOR SHED, PARTS TO MAKE SHELVES IN THE VEHICLE MAINTENANCE BUILDING	83000570 5350	140.42
9/15/2023	ALICIA SEKILLER	AWWA EVENTS	WATERSMART CONFERENCE REGISTRATION - MADELINE SUELTZ	62000570 5290	435.00
9/15/2023	ALICIA SEKILLER	AWWA EVENTS	WATERSMART CONFERENCE REGISTRATION - ERIK WERMEL	62000570 5290	435.00
9/15/2023	ALICIA SEKILLER	AWWA EVENTS	WATERSMART CONFERENCE REGISTRATION - COURTNEY BROWN	62000570 5290	435.00
9/15/2023	ALICIA SEKILLER	AWWA EVENTS	WATERSMART CONFERENCE REGISTRATION - VALERIE MILLETTE	62000570 5290	435.00
9/15/2023	ALICIA SEKILLER	AWWA EVENTS	WATERMART CONFERENCE REGISTRATION - MATT OLSEN	51000650 5290	435.00
9/15/2023	ALICIA SEKILLER	AWWA EVENTS	WATERSMART CONFERENCE REGISTRATION - JEANETTE PERRY	60000650 5290	435.00
9/15/2023	ALICIA SEKILLER	AWWA EVENTS	WATERSMART CONFERENCE REGISTRATION - AMANDA STRACK	62000570 5290	435.00
9/15/2023	MINDY KEELING	PARIS LV ROOM RESRVATION	CRWUA CONFERENCE ROOM RESERVATION - MARK STRATFORD	51000650 5290	146.26
9/15/2023	TERESA ATKINSON	AMZN MKTP US*TX0LD5LY0	AMAZON ORDER #112-2342442-6893817 DAVID GREGORY - HEADPHONE FOAM REPLACE - CORY COLLINS \$7.99	90000650 5230	7.99

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PURCHASE CARD TRANSACTIONS

For the Period 9/1/2023 Through 9/30/2023

DATE	CARD HOLDER	VENDOR NAME	DESCRIPTION	GL	AMOUNT
9/15/2023	EPIMENIO TRUJILLO	AMZN MKTP US*TX42A6432	STATOR FOR THE SIDE BY SIDE	81000570 5330	104.00
9/15/2023	LAINA MCGINTY	AMZN MKTP US*TX4ZP23R2	WELLNESS PROGRAM SUPPLIES/PICKLEBALL PADDLES	51000650 5130	115.85
9/15/2023	BRADLEY BOREN	AMZN MKTP US*TX8YK6OY0	VINYL STICKER BACKING FOR NAME PLATES	83000570 5350	10.53
9/15/2023	EPIMENIO TRUJILLO	AMZN MKTP US*TX8YL8LU0	SPARK PLUG WIRES FOR SIDE BY SIDE	81000570 5330	21.57
9/15/2023	LAINA MCGINTY	OLIVE & JUNE	1 YEAR SERVICE AWARD FOR KELLY GOOD	51000650 5170	90.09
9/18/2023	KYLE CHAPMAN	AMAZON.COM*TR10O0QO1	SAFETY GLASSES FOR TWO MEMBERS OF INSTRUMENTATION TEAM	91000570 5260	44.91
9/18/2023	KYLE CHAPMAN	AMAZON.COM*TR5SH5Q81	SAFETY GLASSES FOR MEMBERS OF THE INTRUMENTATION TEAM	91000570 5260	17.98
9/18/2023	TERESA ATKINSON	AMAZON.COM*TR80L7UQ1	AMAZON ORDER # 112-7431596-1796227 DAVID GREGORY - HEADPHONES x4 \$74.80	90000650 5230	74.80
9/18/2023	KYLE CHAPMAN	AMAZON.COM*TX33V8ZN0	SAFETY GLASSES FOR MEMBERS OF THE INTRUMENTATION TEAM	91000570 5260	16.51
9/18/2023	LISA KASTELER	AMAZON.COM*TX4HL73P2	11X17 LAMINATING SHEETS FOR GIS MAPS	80000570 5220	27.87
9/18/2023	TERESA ATKINSON	AMZN MKTP US*TR1ER5I81	AMAZON ORDER # 112-2854806-7905826 DAVID GREGORY - MONITOR DISPLAY CABLES x20 \$142.00	90000650 5230	142.00
9/18/2023	KYLE CHAPMAN	AMZN MKTP US*TX5MV1ND0	SAFETY GLASSES FOR MEMBERS OF THE INTRUMENTATION TEAM	91000570 5260	29.98
9/18/2023	LISA KASTELER	AMZN MKTP US*TX8QW8P30	11X17 WHITE BINDERS FOR GIS MAPS	80000570 5220	38.99
9/18/2023	LAINA MCGINTY	AMZN MKTP US*TX9JT9LH0	WELLNESS PROGRAM SUPPLIES/SWING SPORTS GOLF PONG GAME	51000650 5130	93.99
9/18/2023	LAINA MCGINTY	IN *DAD'S ICE CREAM, INC.	2023 EMPLOYEE SUMMER EVENT/PARTY	51000650 5170	311.75
9/18/2023	TERESA ATKINSON	LUCID SOFTWARE INC.	LUCIDCHART 2023.09-14312417 SEP 16 - OCT 16 2023 \$9.95	60000650 5270	9.95
9/18/2023	TERESA ATKINSON	4TE*DAVIS CO REDIWEB SFEE	LORI FORTE DAVIS COUNTY SUBSCRIPTION RENEWAL \$7.45 (PARTIAL)	60000650 5270	1.55
9/18/2023	TERESA ATKINSON	4TE*DAVIS CO REDIWEB WEB	LORI FORTE DAVIS COUNTY SUBSCRIPTION RENEWAL \$7.45 (PARTIAL)	90000650 5230	5.90
9/18/2023	JUSTIN SPAINHOWER	THE HOME DEPOT #4421	SUPPLIES FOR ROOF REPAIR ON CL2 TRAILER #2	75000570 5380	32.94
9/18/2023	TROY GARRETT	THE HOME DEPOT #4410	LIGHT BULB FOR ABOVE PIPELINE SHOP	81000570 5360	23.97
9/18/2023	ALLEN CURTIS	THE HOME DEPOT #8566	NATURAL GAS CONECTIONS FOR CHLORINE DIOXIDE BUILDING	81000570 5380	44.34
9/18/2023	LISA KASTELER	IN *LOUMIS CDL TESTING	CDL DRIVERS TESTING FOR JEFF CLEGG & LIAM MCEWAN	80000570 5290	516.00
9/18/2023	JEFFREY BETTON	WWW.TAYLORSVILLEUT.GOV	POLICE REPORT FOR CAR ACCIDENT THAT CAUSED ONE VEHICLE TO GO THROUGH OUR FENCE AT 3200 W 6200 S	51000000 6210	15.00
9/19/2023	TERESA ATKINSON	FIGMA MONTHLY RENEWAL	FIGMA SOFTWARE SEPT 18 2023 TO OCT 18 2023 \$42.91	60000650 5270	42.91

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PURCHASE CARD TRANSACTIONS

For the Period 9/1/2023 Through 9/30/2023

DATE	CARD HOLDER	VENDOR NAME	DESCRIPTION	GL	AMOUNT
9/19/2023	BRYAN SMITH	AMAZON.COM*TX9XL6QE2	(4) ROUND MOUTH SHOVELS	72000590 5310	159.92
9/19/2023	BRYAN SMITH	AMZN MKTP US*TX0CZ9OX1	(4) SNOW SHOVELS	72000590 5310	153.56
9/19/2023	JEFFREY BETTON	SMITHS MRKTPL #4495	AWARD FRAMES FOR AWWA IMS SAFETY AWARDS (WILL SUBMIT REIMBURSEMENT FORM TO AWWA IMS, THEY WILL PAY)	51000650 5260	29.98
9/20/2023	TIMOTHY RAINBOLT	SMITHS MRKTPL #4495	HINCKLEY AWARD PROGRAM 091823	11000200 2290	50.00
9/20/2023	TERESA ATKINSON	AMZN MKTP US*TX1CM5972	AMAZON ORDER #112-7204268-1136205 DAVID GREGORY - WIRELESS MICE \$485.60	90000650 5230	485.60
9/20/2023	TERESA ATKINSON	AMZN MKTP US*TX1RM27S2	AMAZON ORDER #112-5224093-0850640 DAVID GREGORY - IPHONE CHARGERS x2 \$35.96	90000650 5230	35.96
9/20/2023	TERESA ATKINSON	AMZN MKTP US*TX6XR77Z2	AMAZON ORDER #112-4773512-0601823 DAVID GREGORY - IPHONE SCREEN PROTECTORS \$6.96	90000650 5230	6.96
9/20/2023	LAINA MCGINTY	HAWS & CO FLORAL AND GIF	FLORAL ARRANGEMENT FOR BIRTH OF A CHILD	51000650 5170	60.00
9/20/2023	SHANE SWENSEN	VILLAGE BAKER INC	LUNCH FOR EARTHQUAKE SCENARIO WORKSHOP	52000650 5170	15.14
9/20/2023	SHANE SWENSEN	VILLAGE BAKER INC	LUNCH FOR EARTHQUAKE SCENARIO WORKSHOP	52000650 5170	178.59
9/20/2023	HAYDEN COZIAR	HARBOR FREIGHT TOOLS 292	REFUND FOR TIRES THAT BROKE AFTER THE FIRST DAY	83000570 5350	-47.98
9/21/2023	JORDAN TOMSIC	THE HOME DEPOT 4410	GROUNDING PARTS FOR THE NEW STORAGE SHEDS IN THE YARD	91000570 5310	83.10
9/21/2023	MINDY KEELING	COLORADO RIVER WATER U	CRWUA CONFERENCE REGISTRATION - MARK STRATFORD	51000650 5290	650.00
9/21/2023	EPIMENIO TRUJILLO	AMZN MKTP US*T18Q51OS2	INJECTORS FOR SIDE BY SIDE	81000570 5330	44.73
9/21/2023	SHAUN MOSER	AMZN MKTP US*TX8IZ1KT0	FOOD SERVING TRAYS FOR PRODUCE	62000570 5350	15.95
9/21/2023	LAINA MCGINTY	IMPRINT.COM	JOB FAIR ITEMS/SWAG	51000650 5170	340.67
9/22/2023	PAUL MATTINSON	AMZN MKTP US*TX3Y01IR0	DOOR STOPS, 2 , FOR FRONT RECEIVING AREA DOORS	78000590 5170	23.70
9/22/2023	LISA KASTELER	AMZN MKTP US*TX5AM0YA0	OFFICE SUPPLIES	80000570 5220	15.47
9/22/2023	EPIMENIO TRUJILLO	AMZN MKTP US*TX6SF7UV0	AMERICAN FLAG FOR FLEET VEHICLES DECAL	81000570 5330	72.54
9/22/2023	EPIMENIO TRUJILLO	AMZN MKTP US*TX7MI6MC1	FLEET VEHICLE VINYL NUMBERS	81000570 5330	285.13
9/22/2023	JOSHUA SHREWSBURY	AMZN MKTP US*TX9T77YB0	WHITE BOARD MARKERS AND TRAY	72000590 5220	30.47
9/22/2023	MINDY KEELING	DELTA 0062175561878	FLIGHT FOR WQTC23 - JON HILBERT	77000590 5290	432.80
9/22/2023	TERESA ATKINSON	SLACK T059T8B0VKJ	SLACK-2507949 9-21-23 TO OCT-20-23 \$17.50	60000650 5270	17.50
9/22/2023	ALLEN CURTIS	THE HOME DEPOT #4409	MOUNTING HARDWARE FOR THE LAB AT SERWTP	81072570 5380	7.27
9/22/2023	MINDY KEELING	AWWA EVENTS	WQTC23 CONFERENCE REGISTRATION - GORDON BATT	70000590 5290	695.00

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PURCHASE CARD TRANSACTIONS

For the Period 9/1/2023 Through 9/30/2023

DATE	CARD HOLDER	VENDOR NAME	DESCRIPTION	GL	AMOUNT
9/22/2023	MINDY KEELING	AWWA EVENTS	WQTC23 CONFERENCE REGISTRATION - JON HILBERT	77000590 5290	695.00
9/22/2023	MICHAEL LORENC	THE HOME DEPOT 4410	CAGE MATERIAL FOR FENCES	62000570 5350	225.81
9/22/2023	TROY GARRETT	METALMART CO	STEEL FOR TRAILER MODIFICATION	81000570 5310	234.60
9/22/2023	SHAUN MOSER	SCHMIDT S GREENHOUSE	PLANTS FOR ADMIN PROJECT	62000570 5350	739.74
9/22/2023	SHAUN MOSER	GLOVER NURSERY INC	PLANTS FOR ADMIN PROJECT	62000570 5350	910.00
9/25/2023	CORY COLLINS	AT HOME STORE 236	DECORATIONS FOR FALL	62000570 5350	192.85
9/25/2023	SHAUN MOSER	VILLAGE BAKER INC	FOOD FOR CUWCD TEACHER TRAINING	62000570 5670	368.05
9/25/2023	MICHAEL LORENC	LOWES #01613*	FENCE MATERIAL FOR TREE PROTECTION	62000570 5350	137.96
9/25/2023	MICHAEL LORENC	THE HOME DEPOT 4410	FENCING FOR TREE CAGES	62000570 5350	94.97
9/25/2023	MICHAEL LORENC	THE HOME DEPOT 4410	FENCING FOR TREE CAGES	62000570 5350	94.97
9/25/2023	LAINA MCGINTY	STICKER MULE	JOB FAIR ITEMS/SWAG	51000650 5170	207.00
9/25/2023	BEVERLY PARRY	PREMIER CLEANERS	ADMINISTRATION BUILDING TABLECLOTHS CLEANED	51000650 5170	104.45
9/25/2023	DAVID HYDE	AMZN MKTP US*TX7CS72B1	LIGHT FIXTURES FOR THE WELDING ROOM	81000570 5380	259.99
9/26/2023	BRADLEY BOREN	AMZN MKTP US*T16AG9VP0	PULL KNOBS FOR SWGWTP LAB CABINETS	83000570 5350	41.46
9/26/2023	SHAUN MOSER	BIOGRASSN-BIGYELLOWBAG	GRASS SEED	62000570 5350	41.98
9/26/2023	TIMOTHY RAINBOLT	SMITHS MRKTPL #4495	BRUSCH AWARD PROGRAM 092523	11000200 2290	150.00
9/26/2023	BEVERLY PARRY	SMITHS MRKTPL #4495	MWDSLS LUNCH MEETING	51000650 5170	8.74
9/26/2023	MICHAEL LORENC	SPRINKLER SUPPLY	IRRIGATION SUPPLIES	62000570 5350	89.55
9/26/2023	MICHAEL BROWN	BOLT & NUT SUPPLY MIDVALE	SCREWS FOR DOOR CLOSER	83000570 5350	4.00
9/27/2023	BEVERLY PARRY	VILLAGE BAKER INC	MWDSLS LUNCH MEETING	51000650 5170	98.00
9/27/2023	ALISHA KIMMERLE	SMITHS FOOD #4108	SERVICE AWARD LUNCHEON	70000590 5170	31.66
9/27/2023	MICHAEL LORENC	SPRINKLER SUPPLY	IRRIGATION UNIONS	62000570 5350	107.80
9/27/2023	JACKIE BUHLER	GOVERNMENT FINANCE OFFIC	GOVERNMENT FINANCE OFFICERS TRAINING FOR DAVE	51000650 5290	135.00
9/27/2023	LAINA MCGINTY	SMITHS MRKTPL #4495	JOB FAIR REFRESHMENTS	51000650 5170	109.87
9/27/2023	MICHAEL BROWN	THE HOME DEPOT #4410	4' TRIM FOR VALVE VAULT SHED AND DISPOSAL CLEANING TABS	83000570 5350	41.48
9/27/2023	KYLE CHAPMAN	AMAZON.COM*T97RC74Q2	SAFETY GLASSES FOR INSTRUMENTATION TEAM	91000570 5310	12.91
9/27/2023	BRADLEY BOREN	AMZN MKTP US*T13045461	PULL KNOBS FOR SWGWTP LAB CABINETS	83000570 5350	19.64
9/27/2023	ALISHA KIMMERLE	DOLLAR TREE	SERVICE AWARD LUNCHEON	70000590 5170	20.02
9/27/2023	YVETTE AMPARO	DREAMSTIME.COM	PHOTO STOCK FOR TRAINING	51005650 5290	25.00
9/28/2023	TERESA ATKINSON	AMAZON.COM*T97Q70LU2	AMAZON ORDER #112-2481081-7031447 DAVID GREGORY - MONITORS x2 \$499.98	90000650 5230	499.98

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PURCHASE CARD TRANSACTIONS

For the Period 9/1/2023 Through 9/30/2023

DATE	CARD HOLDER	VENDOR NAME	DESCRIPTION	GL	AMOUNT
9/28/2023	KYLE CHAPMAN	AMZN MKTP US*T18WZ3AH1	SAFETY GLASSES FOR IS TEAM	91000570 5260	11.90
9/28/2023	BRYAN SMITH	GRAINGER	RESPIRATOR SAFETY GLASSES INSERT FOR ERIC DAVIS	72000590 5260	124.77
9/28/2023	MICHAEL LORENC	THE HOME DEPOT #4410	MISC NEEDED ITEMS	62000570 5350	132.76
9/28/2023	MICHAEL LORENC	THE HOME DEPOT #4410	WINTER GLOVES	62000570 5170	19.76
9/28/2023	DAVID HYDE	AMAZON.COM	TOILET TANK LID THAT WAS SENT BACK	81000570 5380	-45.34
9/28/2023	JORDAN TOMSIC	THE HOME DEPOT #4413	PARTS FOR CASTO SPRINGS INSTALL	91000570 5310	46.74
9/28/2023	JORDAN TOMSIC	THE HOME DEPOT #4413	GROUND WIRE AND BREAKER FOR CASTO SPRINGS RADIO INSTALL	91000570 5310	147.37
9/28/2023	ALISHA KIMMERLE	AWWA.ORG	AWWA MEMBERSHIP TANNER PALMER	77000590 5290	255.00
9/29/2023	ALISHA KIMMERLE	WM SUPERCENTER #3620	MISC EQUIPMENT NEEDS	77000590 5750	61.98
9/29/2023	JORDAN TOMSIC	AMZN MKTP US*T14PU47H0	CONDUIT RACK TO HELP ORGANIZE THE SHOP AREA	91000570 5310	485.07
9/29/2023	TERESA ATKINSON	CANVA* I03923-0693957	CANVA SUBSCRIPTION SEPT 2023 03923-0693957 \$14.96	60000650 5270	14.96
9/29/2023	JACKIE BUHLER	STERICYCLE INC/SHRED-IT	PAYMENT FOR INVOICE #8004828973	51000650 5220	161.24

**TOTAL # OF TRANSACTIONS: 166**

**REPORT TOTAL: \$30,150.23**

# **CONSERVATION UPDATE**

JORDAN VALLEY WATER CONSERVANCY DISTRICT

**CONSERVATION UPDATE**

November 8, 2023

District Maintenance and Conservation staff collaborated on the implementation of several conservation techniques to reduce irrigation on a District landscape located at 2300 East and 9800 South in Sandy (over 9 acres of landscaping). The techniques implemented cut annual irrigation by 70%.

Year	Annual Irrigation in Gallons	Conservation Techniques Implemented
<b>2020</b>	4,047,427	Baseline Year
<b>2021</b>	3,018,479	Adjusted Smart Irrigation Schedule
<b>2022</b>	1,216,572	Repaired broken parts, capped heads, and retired zones
<b>2023</b>	1,265,224	Additional Irrigation Adjustments

This shows the value of annual irrigation system audits, making timely repairs, and a properly calibrated smart irrigation clock. These are an excellent first step for many commercial and public landscape sites.





JORDAN VALLEY WATER CONSERVANCY DISTRICT

<b>2024 Board Meeting Schedule</b>		
<b>Conservation Committee Meetings Monday 3:00 p.m. (unless otherwise noted)</b>	<b>Executive Committee Meetings Monday 3:30 p.m. (or immediately following CCM unless otherwise noted)</b>	<b>Board Meetings Wednesday 3:00 p.m. (unless otherwise noted)</b>
Monday, January 8	Monday, January 8	Wednesday, January 10
Monday, February 12	Monday, February 12	Wednesday, February 14
Monday, March 11	Monday, March 11	Wednesday, March 13
Monday, April 8	Monday, April 8	Wednesday, April 10 <i>(approve tentative budget)</i>
Monday, May 6 <i>(Board Tour)</i>	Monday, May 6 <i>(Board Tour)</i>	Wednesday, May 8 Board/Public Hearing 6:00 p.m. <i>(for financial plan, budget, and water rates)</i>
Monday, June 3 <i>(one week early due to ACE24)</i>	Monday, June 3 <i>(one week early due to ACE24)</i>	Wednesday, June 5 <i>(approve final budget) (one week early due to ACE24)</i>
Monday, July 8	Monday, July 8	Wednesday, July 10
Monday, August 12	Monday, August 12	Wednesday, August 14 <i>(possible Board/Public Hearing for property tax levy and final budget adoption)</i>
Monday, September 9	Monday, September 9	Wednesday, September 11
Monday, October 7	Monday, October 7	Wednesday, October 9
Tuesday, November 12 <i>(moved to Tuesday due to Veterans Day)</i>	Tuesday, November 12 <i>(moved to Tuesday due to Veterans Day)</i>	Wednesday, November 13
Monday, December 9	Monday, December 9	Wednesday, December 11

JORDAN VALLEY WATER CONSERVANCY DISTRICT

**2024 Conferences**

Utah Water Law/Utah Water Users Workshop, St. George, UT: March 18-20, 2024

AWWA Annual Conference, Anaheim, CA: June 10-13, 2024

AWWA Intermountain Section Annual Conference, TBD: September/October

Utah Association of Special Districts Annual Convention, Layton, UT: November 6-8, 2024

Colorado River Water Users Association Conference, Las Vegas, NV:  
December 4-6, 2024

# **FINANCIAL MATTERS**

**JORDAN VALLEY WATER CONSERVANCY DISTRICT**

**SUPPLEMENTAL RESOLUTION**

**AUTHORIZING THE ISSUANCE AND SALE OF UP TO**

**\$135,000,000 OF  
WATER REVENUE BONDS,  
SERIES 2024**

**ADOPTED NOVEMBER 8, 2023**

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**RESOLUTION NO. 23-\_\_\_**

RESOLUTION AUTHORIZING THE ISSUANCE AND SALE OF UP TO \$135,000,000 OF WATER REVENUE BONDS, SERIES 2024; AND RELATED MATTERS.

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WHEREAS, on February 6, 1987, the Board of Trustees (the “*Board*”) of the Jordan Valley Water Conservancy District (the “*Issuer*”) adopted a resolution entitled “Resolution Providing for the Issuance of Water Revenue Bonds” (as amended and supplemented, including by this Supplemental Resolution, the “*Resolution*”);

WHEREAS, the Issuer has previously issued its Water Revenue and Refunding Bonds, Series 2014A (the “*Series 2014A Bonds*”), and the Issuer deems it advisable and in the interests of the Issuer to refund all or a portion of the Series 2014A Bonds (the “*Refunded Bonds*”);

WHEREAS, the Board deems it advisable and in the interests of the Issuer to provide for the issuance and delivery by the Issuer of one or more taxable or tax-exempt series of water revenue bonds in order to finance the cost of acquiring and constructing the Series 2024 Project (defined below), refund the Refunded Bonds, satisfy a debt service reserve requirement, if necessary, and pay costs of issuance of the Bonds; and

WHEREAS, certain expenditures for the Series 2024 Project (the “*Expenditures*”) will be paid from funds of the Issuer prior to the issuance of the Bonds and reimbursed with proceeds of the Bonds;

NOW THEREFORE, Be It Resolved by the Board of Trustees of the Issuer, as follows:

**ARTICLE I**

**DEFINITIONS**

***Section 101. Definitions.***

(a) Certain terms are defined in the recitals hereto. Except as provided in subparagraph (b) of this Section and in the recitals, all defined terms contained in the Resolution when used in this Supplemental Resolution shall have the same meanings as set forth in the Resolution.

(b) As used in this Supplemental Resolution, unless the context shall otherwise require, the following terms shall have the following meanings:

“*Cede*” means Cede & Co., the nominee of DTC, and any successor nominee of DTC with respect to the Bonds.

“*Certificate of Determination*” means the Certificate(s) of Determination, executed by a Designated Officer and delivered pursuant to Section 204(b) of this Supplemental Resolution, setting forth certain terms and provisions of the Bonds.

“*Chair*” means the Chair of the Board, including any official authorized to carry out the duties of the Chair in the actual Chair’s absence (including without limitation any acting Chair or temporary Chair).

“*Code*” means the Internal Revenue Code of 1986, as amended, and the regulations promulgated thereunder.

“*Continuing Disclosure Undertaking*” means the Continuing Disclosure Undertaking(s), in substantially the form(s) as the Designated Officer shall approve in accordance with this Supplemental Resolution.

“*Debt Service Reserve Requirement*” means with respect to the Bonds, \$0.00, unless otherwise provided for in the Certificate of Determination.

“*Designated Officer*” means (i) the Chair or (ii) the General Manager.

“*DTC*” means The Depository Trust Company, New York, New York, and its successors and assigns.

“*Issue Date*” means the date of original issuance and delivery of the Bonds, as provided in Section 203 hereof.

“*Participants*” means those broker-dealers, banks and other financial institutions from time to time for which DTC holds Bonds as securities depository.

“*Person*” means natural persons, firms, partnerships, associations, corporations, trusts, public bodies and other entities.

“*Purchase Contract*” means the bond purchase contract(s) between the Issuer and the Underwriters, pursuant to which the applicable Bonds are to be sold by the Issuer.

“*Record Date*” means, with respect to any interest payment date for the Bonds, the fifteenth day of the calendar month preceding such interest payment date or, if such day is not a Business Day, the immediately succeeding Business Day.

“*Resolution*” means the Resolution Providing for the Issuance of Water Conservancy Revenue Bonds, adopted February 6, 1987, as from time to time amended or supplemented by supplemental resolutions, including this Supplemental Resolution.

“*Bondholder*” means any Person who is the registered owner of any Bond.

“*Bonds*” means the Bonds issued pursuant to this Supplemental Resolution and designated as Bonds.

“*Series 2024 Debt Service Reserve Subaccount*” means the subaccount, if any, established in the Debt Service Reserve Account in the Bond Fund pursuant to Section 5.02 of the Resolution and Section 303 hereof.

“*Series 2024 Debt Service Subaccount(s)*” means the subaccount(s) established in the Debt Service Account in the Bond Fund pursuant to Section 5.02 of the Resolution and Section 302 hereof with respect to the Bonds.

“*Series 2024 Project*” means the acquisition and construction of certain improvements to the System, including, but not limited to, new wells and groundwater development, water treatment expansions, seismic improvements, aqueducts, pipelines, reservoirs, and other System improvements and related facilities.

“*Supplemental Resolution*” means this Supplemental Resolution of the Issuer adopted by the Board on November 8, 2023.

“*Tax Exemption Certificate*” means any agreement(s) or certificate(s) of the Issuer executed in order to assure the exclusion from federal income taxes of interest received on the Bonds by the holders thereof.

“*Trustee*” means Zions Bancorporation, National Association, and its successors and permitted assigns under the Resolution.

“*Underwriters*” means J.P. Morgan Securities LLC and Stifel Nicolaus & Company, Incorporated.

“*Utah Code*” means the Utah Code Annotated 1953, as amended.

**Section 102. Authority for Supplemental Resolution.** This Supplemental Resolution is adopted pursuant to the provisions of the Act and the Resolution.

## ARTICLE II

### AUTHORIZATION, TERMS AND ISSUANCE OF BONDS

**Section 201. Authorization of Bonds, Principal Amount, Designation and Series.** Water Revenue Bonds are hereby authorized to be issued in the aggregate principal amount of up to \$135,000,000. Such Bonds shall be designated “Water Revenue [and ] [Refunding] Bonds, Series \_\_\_\_\_,” unless otherwise set forth in the Certificate of Determination.

**Section 202. Purpose of the Bonds.** (a) The Bonds are being issued, in one or more taxable or tax-exempt series for the purpose of financing the cost of the Series 2024 Project, refunding the



Refunded Bonds, funding a Series 2024 Debt Service Reserve Requirement, if necessary, and paying costs of issuance of the Bonds.

(b) The Issuer reasonably expects to reimburse amounts expended by the Issuer for the Expenditures from proceeds of the Bonds. The maximum principal amount of the Bonds (a portion of which will be issued to finance the Project) is \$135,000,000.

**Section 203. Issue Date.** The Bonds shall be dated their date(s) of original issuance and delivery.

**Section 204. Bond Details; Delegation of Authority.** (a) The Bonds shall mature on the dates and in the principal amounts, and shall bear interest (calculated on the basis of a year of 360 days and twelve 30-day months, unless otherwise provided in the applicable Certificate of Determination), on a taxable or tax-exempt basis, from the Issue Date, payable semiannually on April 1 and October 1 of each year (unless otherwise provided in the applicable Certificate of Determination), all as provided in the Certificate of Determination.

(b) There is hereby delegated to the Designated Officer, subject to the limitations contained in this Section, the power to determine and effectuate the following with respect to the Bonds, and the Designated Officer is hereby authorized to make such determinations and effectuations:

(i) the name of the Bonds and the names of any additional funds and accounts created pursuant to this Supplemental Resolution, if determined necessary or appropriate by such Designated Officer;

(ii) the principal amount of the Bonds necessary (after giving effect to any premium or discount on the Bonds) to accomplish the purposes of the Bonds set forth in Section 202 herein and the aggregate principal amount of the Bonds to be executed and delivered pursuant to Section 208 herein; *provided* that the aggregate principal amount of the Bonds shall not exceed \$135,000,000;

(iii) the maturity dates and principal amounts of each maturity of the Bonds to be issued; *provided, however*, that the final maturity of all Bonds shall not be later than 36 years from their date of issuance;

(iv) the interest rate or rates of the Bonds, *provided, however*, that the interest rate or rates to be borne by any fixed-rate Bond shall not exceed 5.5% per annum;

(v) the sale of the Bonds to the Purchaser pursuant to the Purchase Contract, including the final terms and provisions of the Purchase Contract, and the purchase price to be paid by the Purchaser for the Bonds; *provided, however*, that the total discount from par of the Bonds shall not exceed 3% (expressed as a percentage of the principal amount);

(vi) the Bonds, if any, to be retired from mandatory sinking fund redemption payments and the dates and the amounts of such payments;

- (vii) the optional redemption date or dates of the Bonds, if applicable;
- (viii) the Series 2014A Bonds to be designated as Refunded Bonds;
- (ix) the Bonds to be designated as taxable Bonds or tax-exempt bonds, and the Bonds to be sold on a forward-delivery basis, if any; and
- (x) any other provisions deemed advisable by the Designated Officer not materially in conflict with the provisions of the Resolution.

Immediately following the preliminary pricing of the Bonds by the Purchaser, the Designated Officer shall obtain such information as the Designated Officer deems necessary to make such determinations as provided above and consult with the Issuer's municipal advisor and such other officers of the Issuer as the Designated Officer shall deem appropriate. Thereupon, the Designated Officer shall make such determinations as provided above and shall execute the Certificate of Determination containing such terms and provisions of the Bonds, which execution shall be conclusive evidence of the action or determination of the Designated Officer as to the matters stated therein. The provisions of the Certificate of Determination shall be deemed to be incorporated in Article II hereof.

(c) Each Bond shall bear interest from its date. The Bond Registrar shall insert the date of registration and authentication of each Bond in the place provided for such purpose in the form of Bond Registrar's certificate of authentication on each Bond.

**Section 205. Registered Form, Denominations and Numbers.** Except as otherwise provided in the Certificate of Determination the Bonds shall be issued only as fully-registered Bonds, without coupons, in the denomination of \$5,000 or any integral multiple thereof. The Bonds shall be numbered from one (1) consecutively upwards in order of authentication and delivery by the Trustee, with the prefix "R" preceding each number on the Bonds.

**Section 206. Paying Agent.** Zions Bancorporation, National Association, is hereby appointed the Paying Agent for the Bonds, subject to the Paying Agent executing and delivering an acceptance to the Issuer and the Trustee as contemplated in Section 7.02 of the Resolution. Principal of the Bonds shall be payable at the principal corporate trust office of the Paying Agent or of any successor as Paying Agent in any coin or currency which on the date of payment is legal tender for the payment of debts due the United States of America. Payment of interest on any Bonds shall be (i) made to the registered owner thereof and shall be paid by check or draft mailed to the registered owner thereof as of the close of business on the Record Date at his address as it appears on the registration books of the Issuer maintained by the Trustee or at such other address as is furnished to the Trustee in writing by such registered owner or (ii) with respect to units of \$500,000 or more of Bonds, by wire transfer to an account located in the United States or other transfer of immediately available funds acceptable to the Trustee, subject to the provisions of Section 3.01 of the Resolution.

**Section 207. Sale of Bonds.** (a) The Bonds authorized to be issued herein shall be sold to the Purchaser at the prices set forth in the applicable Certificate of Determination, payable to the

Issuer by the Purchaser pursuant to the Purchase Contract, if any, on the terms and conditions set forth in the Purchase Contract and upon the basis of the representations therein set forth. To evidence the acceptance of the Purchase Contract, the Designated Officer is hereby authorized to execute and deliver the Purchase Contract in such form(s) as the Designated Officer shall approve, his execution thereof to constitute conclusive evidence of his approval.

(b) The Designated Officer is hereby authorized to sign and deliver one or more preliminary Official Statements and one or more final Official Statements, as applicable, to the Underwriters for distribution to prospective purchasers of the Bonds and other interested persons, in such form as the Designated Officer shall approve in consultation with the Controller, General Manager, and/or General Counsel of the Issuer.

(c) The Designated Officer is hereby authorized, empowered and directed to execute and deliver the Continuing Disclosure Undertaking in such form(s) as the Designated Officer shall approve, his execution thereof to constitute conclusive evidence of his approval. When the Continuing Disclosure Undertaking is executed and delivered on behalf of the Issuer as herein provided, the Continuing Disclosure Undertaking will be binding on the Issuer and the officers, employees and agents of the Issuer, and the officers, employees and agents of the Issuer are hereby authorized, empowered and directed to do all such acts and things and to execute all such documents as may be necessary to carry out and comply with the provisions of the Continuing Disclosure Undertaking as executed.

**Section 208. Execution of Bonds.** The Bonds shall be executed on behalf of the Issuer by the Chair and attested by the Clerk.

**Section 209. Delivery of Bonds.** The Bonds shall be delivered to the Underwriters upon compliance with the provisions of Sections 2.02, 2.03, 2.04 and 3.02 of the Resolution, as applicable, at such times and places as provided in, and subject to, the provisions of the Purchase Contract.

**Section 210. Further Authority.** The Chair, the Clerk, the General Manager, and other officers of the Issuer are, and each of them is, hereby authorized to do or perform all such acts and to execute all other such certificates, documents and other instruments as may be necessary or advisable to provide for the issuance, sale and delivery of the Bonds. If the Chair is not available to execute any document necessary or advisable in connection with the issuance, sale and delivery of the Bonds, the same may be executed by the General Manager or by any Acting Chair.

**Section 211. Book-Entry System; Limited Obligation of Issuer.** The Bonds shall be initially issued in the form of a separate, single, certificated, fully-registered Bond for each of the maturities. Upon initial issuance, the ownership of each such Bond shall be registered in the registration books kept by the Trustee in the name of Cede, as nominee of DTC. Except as provided herein, all of the outstanding Bonds shall be registered in the registration books kept by the Trustee in the name of Cede, as nominee of DTC.

With respect to Bonds registered in the registration books kept by the Trustee in the name of Cede, as nominee of DTC, the Issuer, the Trustee and the Paying Agent shall have no

responsibility or obligation to any Participant or to any Person on behalf of which a Participant holds an interest in the Bonds. Without limiting the immediately preceding sentence, the Issuer, the Trustee and the Paying Agent shall have no responsibility or obligation with respect to (i) the accuracy of the records of DTC, Cede or any Participant with respect to any ownership interest in the Bonds, (ii) the delivery to any Participant or any other Person, other than a Bondholder, as shown in the registration books kept by the Trustee, of any notice with respect to the Bonds, including, without limitation, any notice of redemption, or (iii) the payment to any Participant or any other Person, other than a Bondholder, as shown in the registration books kept by the Trustee, of any amount with respect to principal of, premium, if any, or interest on the Bonds. The Issuer, the Trustee and the Paying Agent may treat and consider the Person in whose name each Bond is registered in the registration books kept by the Trustee as the holder and absolute owner of such Bond for the purpose of payment of principal, premium, if any, and interest with respect to such Bond, for the purpose of giving notices of redemption and other matters with respect to such Bond, for the purpose of registering transfers with respect to such Bond and for all other purposes whatsoever. The Paying Agent shall pay all principal of and premium, if any, and interest on the Bonds only to or upon the order of the respective Bondholders, as shown in the registration books kept by the Trustee, or their respective attorneys duly authorized in writing, as provided herein, and all such payments shall be valid and effective to fully satisfy and discharge the Issuer's obligations with respect to payment of principal of, premium, if any, and interest on the Bonds to the extent of the sum or sums so paid. No Person other than a Bondholder, as shown in the registration books kept by the Trustee, shall receive a certificated Bond evidencing the obligation of the Issuer to make payments of principal, premium, if any, and interest pursuant to this Series Supplemental Resolution. Upon delivery by DTC to the Issuer of written notice to the effect that DTC has determined to substitute a new nominee in place of Cede, the word "Cede" in this Series Supplemental Resolution shall refer to such new nominee of DTC. Upon receipt of such a notice, the Issuer shall promptly deliver a copy of the same to the Trustee and the Paying Agent.

**Section 212. Letter of Representations.** The Issuer has executed a Blanket Letter of Representations to DTC. The Issuer's execution and delivery of the Letter of Representations shall not in any way limit the provisions of Section 211 hereof or in any other way impose upon the Issuer any obligation whatsoever with respect to Persons having interests in the Bonds other than the Bondholders, as shown on the registration books kept by the Trustee. In the written acceptance of each Paying Agent and Trustee, such Paying Agent and Trustee, respectively, shall agree to take all action necessary for all representations of the Issuer in the Letter of Representations with respect to the Paying Agent and Trustee, respectively, to at all times be complied with.

**Section 213. Transfers Outside Book-Entry System.** At the option of the Issuer or upon receipt by the Issuer of written notice from DTC to the effect that DTC has received written notice from Participants having interests, as shown in the records of DTC, in at least fifty percent (50%) of the aggregate principal amount of the then outstanding Bonds to the effect that:

- (a) DTC is unable or unwilling to discharge its responsibilities and no substitute depository willing to undertake the functions of DTC hereunder can be found that is willing and able to undertake such functions upon reasonable and customary terms, or

(b) a continuation of the requirement that all of the outstanding Bonds be registered in the registration books kept by the Trustee in the name of Cede, as nominee of DTC, is not in the best interest of the beneficial owners of the Bonds,

the Bonds shall no longer be restricted to being registered in the registration books kept by the Trustee in the name of Cede, as nominee of DTC, but may be registered in whatever name or names Bondowners transferring or exchanging Bonds shall designate, in accordance with the provisions of Article III of the Resolution.

**Section 214. *Payments to Cede.*** Notwithstanding any other provision of this Supplemental Resolution to the contrary, so long as any Bond is registered in the name of Cede, as nominee of DTC, all payments with respect to principal of and premium, if any, and interest on such Bond and all notices with respect to such Bond shall be made and given, respectively, in the manner provided in the Letter of Representations.

### ARTICLE III

#### ESTABLISHMENT OF FUNDS AND APPLICATION OF BOND PROCEEDS

**Section 301. *Series 2024 Project Subaccount.*** (a) There is hereby established a separate fund designated as the “*Series 2024 Project Subaccount*” into which there shall be deposited a portion of the proceeds of the Bonds as provided in Section 304. Such moneys shall be used for the purpose of paying costs of the Series 2024 Project and costs of issuance of the Bonds.

**Section 302. *Establishment of Series 2024 Debt Service Subaccount.*** Pursuant to the provisions of Section 5.02 of the Resolution, there are hereby established, in the Debt Service Account in the Bond Fund, one or more separate subaccounts for the Bonds designated as the “*Series 2024\_\_ Debt Service Subaccount.*”

**Section 303. *Application of Proceeds of Bonds.*** (a) The proceeds of each Series of the Bonds shall be paid to the Trustee for deposit as set forth in one or more Written Requests of the Issuer delivered to the Trustee prior to the issuance of the applicable Bonds.

### ARTICLE IV

#### FORM OF BONDS

**Section 401. *Form of Bonds.*** Subject to the provisions of the Resolution, the Bonds shall be in substantially the following form, with such insertions or variations as to any redemption or amortization provisions and such other insertions or omissions, endorsements and variations as may be required or permitted by the Resolution:

[FORM OF BONDS]

Unless this certificate is presented by an authorized representative of The Depository Trust Company, a New York corporation ("DTC"), to Issuer or its agent for registration of transfer, exchange, or payment, and any certificate issued is registered in the name of Cede & Co. or in such other name as is requested by an authorized representative of DTC (and any payment is made to Cede & Co. or to such other entity as is requested by an authorized representative of DTC), ANY TRANSFER, PLEDGE, OR OTHER USE HEREOF FOR VALUE OR OTHERWISE BY OR TO ANY PERSON IS WRONGFUL inasmuch as the registered owner hereof, Cede & Co., has an interest herein.

REGISTERED

REGISTERED

Number R-\_\_\_\_

\$\_\_\_\_\_

UNITED STATES OF AMERICA  
STATE OF UTAH

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
WATER REVENUE [AND] [REFUNDING] BONDS,  
SERIES 2024\_\_

INTEREST RATE	MATURITY DATE	ISSUE DATE	CUSIP
____%	October 1, ____	_____, 2024	_____

Registered Owner:

Principal Amount:----- DOLLARS -----

KNOW ALL MEN BY THESE PRESENTS that the Jordan Valley Water Conservancy District (the "Issuer"), a duly organized and existing water conservancy district of the State of Utah, acknowledges itself indebted and for value received hereby promises to pay, but solely in the manner and from the revenues and sources hereinafter provided, to the registered owner identified above, or registered assigns, on the maturity date specified above, upon presentation and surrender hereof, the principal amount identified above, and to pay to the registered owner hereof interest on the balance of said principal amount from time to time remaining unpaid from its issue date (the "Issue Date"), at the interest rate per annum specified above (calculated on the basis of a year of 360 days and twelve 30 day months), payable on April 1 and October 1 of each year, commencing \_\_\_\_\_ 1, 2024, and on the maturity date specified above, until payment in full of such principal, and to pay interest on overdue principal of this Bond at the interest rate borne by this Bond. Principal of this Bond shall be payable at the principal corporate trust office of Zions Bancorporation, National Association (the "Trustee"), as paying agent of the Issuer, or its

successor as such paying agent, in any coin or currency of the United States of America which at the time of payment is legal tender for the payment of public and private debts; and payment of the interest hereon shall be made on each interest payment date (i) made to the registered owner hereof and shall be paid by check or draft mailed to the person who is the registered owner of record as of the close of business on the fifteenth day of the calendar month preceding each interest payment date or, if such day shall not be a business day, the business day immediately succeeding such date (the “*Record Date*”) at the address of such registered owner as it appears on the registration books of the Issuer maintained by the Trustee, or at such other address as is furnished in writing by such registered owner to the Trustee as provided in the Bond Resolution (defined below) or (ii) with respect to units of \$500,000 or more of Bonds, by wire, subject to the provisions of the Bond Resolution.

This Bond is a special obligation of the Issuer and is one of the water revenue bonds of the Issuer (the “*Bonds*”) and is issued under the provisions of Title 17B, Limited Purpose Entities – Local Districts, including Chapter 2a, Part 10, the Water Conservancy District Act, Utah Code Annotated 1953, as amended, [and] the Local Government Bonding Act, Title 11, Chapter 14, Utah Code Annotated 1953, as amended, [and the Utah Refunding Bond Act, Title 11, Chapter 27, Utah Code Annotated 1953, as amended] (collectively the “*Act*”), for the purpose of financing the acquisition and construction of certain improvements to the Issuer’s water system, [refunding the Refunded Bonds,] and paying costs of issuance of the Bonds.

The Bonds are issued under the terms of the Resolution Providing for the Issuance of Water Conservancy Revenue Bonds of the Issuer adopted on February 6, 1987, as amended and supplemented (the “*Resolution*”), including by a Supplemental Resolution, adopted November 8, 2023 (the “*Supplemental Resolution*”), authorizing the issuance of this Series of Bonds (such Resolution and Supplemental Resolution and any and all such further resolutions being herein collectively called the “*Bond Resolution*”).

The Issuer is obligated to pay principal of and interest on this Bond solely from the revenues (the “*Revenues*”) of the System and other funds of the Issuer pledged therefor under the terms of the Bond Resolution. This Bond is not a debt of the Issuer within the meaning of any constitutional or statutory limitation of indebtedness. Pursuant to the Bond Resolution, sufficient Revenues have been pledged and will be set aside into special funds by the Issuer to provide for the prompt payment of the principal of and interest on this Bond and all Bonds of the Series of which it is a part.

As provided in the Resolution, Bonds may be issued from time to time in one or more Series in various principal amounts, may mature at different times, may bear interest at different rates, and may otherwise vary as provided in the Resolution, and the aggregate principal amount of Bonds which may be issued is not limited. All Bonds issued and to be issued under the Resolution and certain contracts entered into or to be entered into by the Issuer under the Resolution are and will be equally and ratably secured by the pledge and covenants made therein, except as otherwise expressly provided or permitted in or pursuant to the Resolution.

This Bond is one of a total authorized issue of Bonds \$\_\_\_\_\_ in aggregate principal amount designated as Water Revenue [and] [Refunding] Bonds, Series 2024\_\_\_” (the “*Bonds*”),

duly issued under and by virtue of the Act and under and pursuant to the Bond Resolution. Copies of the Bond Resolution are on file at the office of the Clerk of the Issuer in West Jordan, Utah, and at the principal corporate trust office of Zions Bancorporation, National Association, in Salt Lake City, Utah, as trustee under the Resolution (said trustee and any successors thereto under the Bond Resolution being herein called the “*Trustee*”), and reference to the Bond Resolution and to the Act is made for a description of the pledge and covenants securing the Bonds, the nature, manner and extent of enforcement of such pledge and covenants, the terms and conditions upon which the Bonds are issued and additional Bonds and other obligations payable from the Revenues may be issued thereunder on a parity with the Bonds, and a statement of the rights, duties, immunities and obligations of the Issuer and of the Trustee. Such pledge and other obligations of the Issuer under the Bond Resolution may be discharged at or prior to the maturity of the Bonds upon the making of provision for the payment thereof on the terms and conditions set forth in the Bond Resolution.

To the extent and in the respects permitted by the Bond Resolution, the Bond Resolution may be modified or amended by action on behalf of the Issuer taken in the manner and subject to the conditions and exceptions prescribed therein.

This Bond is transferable, as provided in the Bond Resolution, only upon the books of the Issuer kept for that purpose at the principal corporate trust office of the Trustee, by the registered owner hereof in person or by his attorney duly authorized in writing, upon surrender hereof together with a written instrument of transfer in a form approved by the Trustee, duly executed by the registered owner or his duly authorized attorney, and thereupon the Issuer shall issue in the name of the transferee a new registered Bond or Bonds of the same aggregate principal amount, series designation and maturity as the surrendered Bond, all as provided in the Bond Resolution and upon the payment of the charges therein prescribed. The Issuer, the Trustee, and any paying agent may treat and consider the person in whose name this Bond is registered as the holder and absolute owner hereof for the purpose of receiving payment of, or on account of, the principal hereof and interest due hereon and for all other purposes whatsoever.

The Bonds are issuable in the form of fully registered Bonds, without coupons, in the denomination of \$5,000 or any integral multiple thereof.

The Bonds are subject to redemption as provided in the Certificate of Determination.

Except as otherwise provided herein and unless the context clearly indicates otherwise, words and phrases used herein shall have the same meanings as such words and phrases in the Bond Resolution.

This Bond and the issue of Bonds of which it is a part are issued in conformity with and after full compliance with the Constitution of the State of Utah and pursuant to the provisions of the Act and all other laws applicable thereto.

THE ISSUER IS OBLIGATED TO PAY PRINCIPAL OF AND INTEREST ON THIS BOND SOLELY FROM THE REVENUES (THE “*REVENUES*”) OF THE SYSTEM OF THE ISSUER AND OTHER FUNDS OF THE ISSUER PLEDGED THEREFOR UNDER THE TERMS OF THE BOND RESOLUTION. THIS BOND IS NOT A DEBT OF THE ISSUER WITHIN THE MEANING OF ANY CONSTITUTIONAL OR STATUTORY LIMITATION OF



INDEBTEDNESS. PURSUANT TO THE BOND RESOLUTION, SUFFICIENT REVENUES HAVE BEEN PLEDGED AND WILL BE SET ASIDE INTO SPECIAL FUNDS BY THE ISSUER TO PROVIDE FOR THE PROMPT PAYMENT OF THE PRINCIPAL OF AND INTEREST ON THIS BOND AND ALL BONDS OF THE SERIES WHICH IT IS A PART.

It is hereby certified and recited that all conditions, acts and things required by the Constitution or statutes of the State of Utah or by the Act or the Bond Resolution to exist, to have happened or to have been performed precedent to or in the issuance of this Bond exist, have happened and have been performed and that the issue of the Bonds, together with all other indebtedness of the Issuer, is within every debt and other limit prescribed by said Constitution and statutes.

This Bond shall not be valid until the Certificate of Authentication hereon shall have been manually signed by the Trustee.

IN WITNESS WHEREOF, the Jordan Valley Water Conservancy District, has caused this Bond to be signed in its name and on its behalf by the Chair and attested by the Clerk, all as of the Issue Date specified above.

JORDAN VALLEY WATER CONSERVANCY  
DISTRICT

By \_\_\_\_\_  
Chair

ATTEST:

By \_\_\_\_\_  
Clerk

**[FORM OF TRUSTEE’S CERTIFICATE OF AUTHENTICATION]**

This Bond is one of the Bonds described in the within mentioned Bond Resolution and is one of the Water Revenue [and] [Refunding] Bonds, Series 2024\_\_ of the Jordan Valley Water Conservancy District.

ZIONS BANCORPORATION, NATIONAL  
ASSOCIATION, as Trustee

By \_\_\_\_\_  
Authorized Signature

Date of registration and authentication: \_\_\_\_\_, 2024.

[FORM OF ASSIGNMENT]

The following abbreviations, when used in the inscription on the face of this certificate, shall be construed as though they were written out in full according to applicable laws or regulations.

TEN COM	—	as tenants in common	UNIF TRAN MIN ACT—
TEN ENT	—	as tenants by the entirety	_____ Custodian _____
JT TEN	—	as joint tenants with right of survivorship and not as tenants in common	(Cust) (Minor) under Uniform Transfers to Minors Act of _____ (State)

Additional abbreviations may also be used though not in the above list.

FOR VALUE RECEIVED \_\_\_\_\_ hereby sells, assigns and transfers unto

PLEASE INSERT SOCIAL SECURITY OR OTHER IDENTIFYING NUMBER OF ASSIGNEE

[Empty rectangular box for Social Security or identifying number]

\_\_\_\_\_  
(Please Print or Typewrite Name and Address of Assignee)

the within Bond of JORDAN VALLEY WATER CONSERVANCY DISTRICT, and does hereby irrevocably constitute and appoint \_\_\_\_\_ Attorney to register the transfer of said Bond on the books kept for registration thereof, with full power of substitution in the premises.

Dated: \_\_\_\_\_

Signature: \_\_\_\_\_

Signature Guaranteed:

\_\_\_\_\_

NOTICE: Signature(s) must be guaranteed by an “eligible guarantor institution” meeting the requirements of the Trustee, which requirements include membership or participation in STAMP or such other “signature guarantee program” as may be determined by the Trustee in addition to, or in substitution for, STAMP, all in accordance with the Securities and Exchange Act of 1934, as amended.

NOTICE: The signature to this assignment must correspond with the name as it appears upon the face of the within Bond in every particular, without alteration or enlargement or any change whatever.

## ARTICLE V

### REGISTRAR, PAYING AGENT AND TRANSFER AGENT

**Section 501. Appointment of Zions Bancorporation, National Association.** Zions Bancorporation, National Association, a national banking association having the powers of a trust company, doing business and having its principal corporate trust office in Salt Lake City, Utah, is hereby appointed as Registrar, Paying Agent and Transfer Agent for the Bonds. Zions Bancorporation, National Association shall signify acceptance of the duties and obligations imposed upon it by the Resolution by executing and delivering to the Issuer a written acceptance thereof prior to the delivery of the Bonds. Zions Bancorporation, National Association has previously been appointed as Trustee under the Resolution.

## ARTICLE VI

### TAX COVENANTS; NOTICE OF BONDS; MISCELLANEOUS

**Section 601. Tax Covenants.** (a) In order to establish and preserve the tax-exempt status of the Bonds, the Chair and Clerk and other appropriate officials of the Issuer are hereby authorized and directed to execute such Tax Exemption Certificates as shall be necessary to establish that (i) the Bonds are not “arbitrage bonds” within the meaning of Section 148 of the Code and the regulations promulgated or proposed thereunder, (ii) the Bonds are not and will not become “private activity bonds” within the meaning of Section 141 of the Code, (iii) all applicable requirements of Section 149 of the Code are and will be met, (iv) the covenants of the Issuer contained in this Section will be complied with and (v) interest on the Bonds is not and will not become includible in gross income of the Owners thereof for federal income tax purposes under the Code and applicable regulations promulgated or proposed thereunder.

(b) The Issuer covenants and certifies to and for the benefit of the Owners from time to time of the Bonds that:

(i) the Issuer will at all times comply with the provisions of the Tax Exemption Certificate;

(ii) the Issuer will at all times comply with the rebate requirements contained in Section 148(f) of the Code, including, without limitation, the entering into any necessary rebate calculation agreement to provide for the calculations of amounts required to be rebated to the United States, the keeping of records necessary to enable such calculations to be made and the timely payment to the United States of all amounts, including any applicable penalties and interest, required to be rebated;

(iii) no use will be made of the proceeds of the Bonds or any funds or accounts of the Issuer that may be deemed to be proceeds of the Bonds pursuant to Section 148 of the Code and applicable regulations, which use, if it had been reasonably expected on the date of issuance of the Bonds, would have caused the Bonds to be classified as “arbitrage bonds” within the meaning of Section 148 of the Code;

(iv) the Issuer will not sell or dispose of water in such manner that such sale, disposition or use would cause the Bonds to be “private activity bonds” described in Section 141 of the Code;

(v) no tax-exempt bonds or other evidences of indebtedness of the Issuer have been or will be sold within a period beginning 15 days prior to the sale of the Bonds and ending 15 days following the delivery of the Bonds;

(vi) the Issuer will not take any action that would cause interest on the Bonds to be or to become ineligible for the exclusion from gross income of the Owners of the Bonds as provided in Section 103 of the Code, nor will the Issuer omit to take or cause to be taken, in timely manner, any action, which omission would cause interest on the Bonds to be or to become ineligible for the exclusion from gross income of the owners of the Bonds as provided in Section 103 of the Code; and

(vii) the Issuer acknowledges that, in the event of an examination by the Internal Revenue Service of the exemption from federal income taxation for interest paid on the Bonds, under present rules, the Issuer is treated as the “taxpayer” in such examination and agrees that it will respond in a commercially reasonable manner to any inquiries from the Internal Revenue Service in connection with such an examination.

(c) Pursuant to these covenants, the Issuer obligates itself to comply throughout the term of the issue of the Bonds with the requirements of Section 103 of the Code and the regulations proposed or promulgated thereunder as they pertain to the Bonds or the Bonds.

**Section 602. Notice of Bonds to Be Issued.** (a) In accordance with the provisions of Sections 11-14-316, Utah Code Annotated 1953, as amended, the Clerk shall cause the following notice to be (i) published one time in a newspaper of general circulation in the Issuer, (ii) posted at the regular meeting place of the Board, (iii) posted at the Utah Public Notice Website, and (iv) posted on the District’s official website; and shall cause a copy of this Supplemental Resolution to be kept on file in the office of the Clerk for public examination during the regular business hours of the Clerk for at least 30 days after the date of such publication. The Notice of Bonds to Be Issued shall be in substantially the following form:

## NOTICE OF BONDS TO BE ISSUED

NOTICE IS HEREBY GIVEN pursuant to the provisions of Sections 11-14-316, Utah Code Annotated 1953, as amended, that the Board of Trustees (the “*Board*”) of Jordan Valley Water Conservancy District (the “*Issuer*”) adopted a Supplemental Resolution on November 8, 2023 (the “*Supplemental Resolution*”), in which it authorized the issuance of the Issuer’s water revenue bonds (the “*Bonds*”) in an aggregate principal amount of not to exceed \$135,000,000, to mature in not more than 36 years from their date or dates, to bear interest at a rate or rates not to exceed 5.5% per annum, and to be sold at a discount from par, expressed as a percentage of principal amount, of not to exceed 3%.

The Bonds are to be issued and sold by the Issuer pursuant to (1) a Resolution Providing for the Issuance of Water Revenue Bonds, adopted February 6, 1987, as amended and supplemented (the “*Master Resolution*”), and (2) the Supplemental Resolution.

The Bonds are to be issued for the purpose of financing the costs of certain improvements to the Issuer’s water system; refunding certain outstanding bonds of the Issuer; funding a debt service reserve, if necessary; and paying costs of issuance of the Bonds; all as set forth in the Master Resolution and the Supplemental Resolution.

The Bonds shall be payable from and secured by the revenues of Issuer’s water system and certain other funds, as more particularly described in the Master Resolution and Supplemental Resolution.

Copies of the Master Resolution and Supplemental Resolution are on file in the office of the Clerk of the Issuer, located at 8215 South 1300 West, West Jordan, Utah, where they may be examined during the regular business hours of the Clerk from 8:00 a.m. to 5:00 p.m. The Master Resolution and Supplemental Resolution shall be so available for inspection for a period of at least 30 days from and after the date of the publication of this notice.

The total par amount of water revenue bonds of the Issuer that are currently outstanding is \$\_\_\_\_\_. More detailed information relating to the outstanding bonds of the Issuer may be obtained at the office of the Clerk of the Issuer.

The estimated total cost (principal and interest payments) to the Issuer for the Bonds if the Bonds are held until maturity (based on interest rates in effect as of the date of publication of this notice) is \$\_\_\_\_\_.

NOTICE IS FURTHER GIVEN that, pursuant to law, for a period of 30 days from and after the date of the publication of this notice, any person in interest shall have the right to contest the legality of the above-described Supplemental Resolution of the Board, or the Bonds or any provisions made for the security and payment of the Bonds, and that after such time, no one shall have any cause of action to contest the regularity, formality or legality thereof for any cause.

DATED this November 8, 2023.

JORDAN VALLEY WATER CONSERVANCY  
DISTRICT

**Section 603. Public Hearing.** In satisfaction of the requirements of Section 11-14-318 of the Act, a public hearing was held by the Board on November 8, 2023, as part of the Board meeting that began at 3:00 p.m., at the regular meeting place of the Board, located at 8215 South 1300 West, West Jordan, Utah, with respect to the issuance by the Issuer of the Bonds for the purpose of financing certain costs of the Series 2024 Project and the potential economic impact of the Series 2024 Project. The Issuer caused the Notice of Public Hearing in substantially the following form, to be posted at least 14 days prior to the date set for the public hearing, (i) at the regular meeting place of the Board, (ii) at the Utah Public Notice Website, and (iii) on the District’s official website.

**NOTICE OF PUBLIC HEARING**

**JORDAN VALLEY WATER CONSERVANCY DISTRICT**

PUBLIC NOTICE IS HEREBY GIVEN that, pursuant to Section 11-14-318, Utah Code Annotated 1953, as amended, the Board of Trustees (the “*Board*”) of Jordan Valley Water Conservancy District (the “*Issuer*”) will hold a public hearing on November 8, 2023, to receive input from the public with respect to the issuance of up to \$135,000,000 aggregate principal amount of the Issuer’s water revenue bonds (the “*Bonds*”) and the potential economic impact that the improvements, facilities, or properties to be financed in whole or in part by the Bonds will have on the private sector.

The Issuer intends to issue the Bonds for the purpose of financing a portion of the costs of acquisition and construction of certain improvements to the Issuer’s water system, including, but not limited to, new wells and groundwater development, water treatment expansions, seismic improvements, aqueducts, pipelines, reservoirs, and other system improvements and related facilities; refunding certain outstanding bonds of the Issuer; and paying costs of issuance of the Bonds.

The Issuer will not pledge any taxes of the Issuer for the payment of the Bonds. Instead, the Issuer will pledge, pursuant to a master bond resolution and a supplemental resolution (collectively, the “*Resolution*”), the revenues attributable to the Issuer’s water system, for the payment of the Bonds, as set forth in the Resolution.



The Board will hold a public hearing at the regular Board meeting that begins at 3:00 p.m. on November 8, 2023. The public hearing will be held at the Issuer's Administration Building, located at 8215 South 1300 West, West Jordan, Utah. Prior to the public hearing, written comments may be submitted to the Issuer, to the attention of the Clerk of the Issuer, at 8215 South 1300 West, West Jordan, Utah 84088.

DATED this \_\_\_\_ day of October, 2023.

JORDAN VALLEY WATER CONSERVANCY DISTRICT

***Section 604. Effective Date.*** This Supplemental Resolution shall take effect immediately.

ADOPTED AND APPROVED this November 8, 2023.

JORDAN VALLEY WATER CONSERVANCY  
DISTRICT

By \_\_\_\_\_  
Chair

ATTEST:

\_\_\_\_\_  
Clerk

STATE OF UTAH            )  
  )  
COUNTY OF SALT LAKE )

I, the duly chosen, qualified and acting Clerk of the Jordan Valley Water Conservancy District (the “*Issuer*”) do hereby certify that the foregoing resolution was duly adopted by the Board of Trustees at a regular meeting held at the regular meeting place of the Board of Trustees, at 8215 South 1300 West, West Jordan, Utah on November 8, 2023, and became effective as of said date, that said resolution has been compared by me with the original thereof, recorded in the official books of the Issuer and that such resolution is a correct transcript of the whole thereof, and that said resolution has not been altered, amended or repealed but is in full force and effect.

IN TESTIMONY WHEREOF, I have hereunto set my hand on this day, November 8, 2023.

JORDAN VALLEY WATER CONSERVANCY  
DISTRICT

By \_\_\_\_\_  
Clerk



JORDAN VALLEY WATER  
CONSERVANCY DISTRICT

# Resolution of the Board of Trustees

RESOLUTION NO. 23-21

## AUTHORIZING A TRANSFER OF FUNDS FROM THE REVENUE FUND TO THE CAPITAL PROJECTS FUND AND OTHER DESIGNATED RESERVE FUNDS

WHEREAS, the Jordan Valley Water Conservancy District's Board of Trustees finds that it is in the best interest of the District to execute a transfer from the District's Revenue Fund to the District's Capital Projects Fund and to various reserve funds, as designated below.

NOW, THEREFORE, BE IT RESOLVED by the Board of Trustees of the Jordan Valley Water Conservancy District as follows:

1. The Jordan Valley Water Conservancy District Treasurer shall transfer \$1,554,301 from the District's Revenue Fund to the Capital Projects Fund.
2. The Jordan Valley Water Conservancy District Treasurer shall transfer \$14,155,949 from the District's Revenue Fund to the Replacement Reserve Fund.
3. The Jordan Valley Water Conservancy District Treasurer shall transfer \$205,960 from the District's Revenue Fund to the District's Development Fee Fund.
4. The Jordan Valley Water Conservancy District Treasurer shall transfer \$900,000 from the District's Revenue Fund to the District's General Equipment Fund.
5. The Jordan Valley Water Conservancy District Treasurer shall transfer \$100,000 from the District's Revenue Fund to the Emergency Reserve/Self-Insurance Fund.
6. The Jordan Valley Water Conservancy District Treasurer shall transfer \$200,000 from the District's Revenue Fund to the Operation and Maintenance Fund.
7. The Jordan Valley Water Conservancy District Treasurer shall transfer \$3,386,936 from the District's Revenue Fund to the Short-Term Operating Reserve Fund.
8. The total amount transferred from the Revenue Fund is \$20,503,146.
9. This Resolution shall take effect immediately upon execution by an authorized member of the Board.

PASSED, ADOPTED, AND APPROVED this 8<sup>th</sup> day of November 2023.

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Corey L. Rushton  
Chair of the Board of Trustees

ATTEST:

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Alan E. Packard  
Clerk

**JORDAN VALLEY WATER CONSERVANCY DISTRICT**  
**REVIEW OF 2022/2023 BUDGET VS. ACTUAL PERFORMANCE**  
**AND PROPOSED YEAR-END FUND TRANSFER**

(Performance for year ended June 30, 2023)

	102,000 AF <b>ADOPTED BUDGET</b>	<b>BOARD REPORT</b>	<b>AUDIT ADJUSTMENTS</b>	101,369 AF <b>AUDIT REPORT</b>
<b>REVENUES:</b>		<b>Modified Accrual Basis</b>		<b>Accrual Basis</b>
Wholesale Water Sales	\$ 52,554,723	\$ 50,652,918	\$ (443,980)	\$ 50,208,938
Retail Water Sales	6,758,349	6,386,538	71,961	6,458,499
Property Taxes	25,650,346	26,069,244	304,740	26,373,984
Investment Income	1,087,300	3,461,331	7,107	3,468,438
Impact Fees - Retail	512,000	205,960	-	205,960
Other - Miscellaneous	2,243,093	1,979,934	1,591,132	3,571,066
<b>TOTAL REVENUES</b>	<b>\$ 88,805,811</b>	<b>\$ 88,755,925</b>	<b>\$ 1,530,960</b>	<b>\$ 90,286,885</b>
<b>EXPENSES:</b>				
Water Purchased	\$ (18,615,784)	\$ (18,545,361)	\$ (398,921)	\$ (18,944,282)
Operating & Maintenance	(11,621,168)	(10,092,799)	149,150	(9,943,649)
General & Administrative	(5,728,341)	(5,072,577)	137,185	(4,935,392)
Personnel	(19,587,691)	(18,610,148)	404,577	(18,205,571)
<b>TOTAL EXPENSES</b>	<b>\$ (55,552,984)</b>	<b>\$ (52,320,885)</b>	<b>\$ 291,991</b>	<b>\$ (52,028,894)</b>
<b>NET OPERATING REVENUES</b>	<b>\$ 33,252,827</b>	<b>\$ 36,435,040</b>	<b>\$ 1,822,951</b>	<b>\$ 38,257,991</b>
Debt Service Payments	(23,164,500)	(23,301,345)	(309)	(23,301,654)
<b>DEBT SERVICE COVERAGE RATIO</b>	<b>1.44</b>	<b>1.56</b>		<b>1.64</b>
Transfer of Revenue Stabilization Fund	8,402,108	8,402,108		8,402,108
<b>PAYGO CAPITAL</b>	<b>\$ 18,490,435</b>	<b>\$ 21,535,803</b>	<b>\$ 1,822,642</b>	<b>\$ 23,358,445</b>
<b>TRANSFER TO RESERVES:</b>	<b>BUDGETED</b>			<b>PROPOSED</b>
Capital Projects Fund <sup>1</sup>	\$ -			\$ 1,554,301
Replacement Reserve Fund <sup>2</sup>	15,880,435			14,155,949
Development Fee Fund <sup>3</sup>	512,000			205,960
General Equipment Fund <sup>4</sup>	900,000			900,000
Emergency Reserve/Self-Ins. Fund <sup>5</sup>	100,000			100,000
O&M Fund <sup>6</sup>	200,000			200,000
Short-Term Operating Reserve Fund <sup>7</sup>	-			3,386,936
Revenue Stabilization Fund <sup>8</sup>	-			-
<b>Total Transfer from Revenue Fund</b>	<b>\$ 17,592,435</b>			<b>\$ 20,503,146</b>
Retained in Revenue Fund <sup>6</sup>	200,000			500,000
Interest already allocated to funds <sup>9</sup>	698,000			2,355,299
<b>Total PayGo Capital</b>	<b>\$ 18,490,435</b>			<b>\$ 23,358,445</b>

1 Capital Projects Fund expenditures are paid from bond funds and year-end transfer proceeds (PayGo capital).

2 Replacement Reserve Fund expenditures are paid from year-end transfer proceeds (PayGo capital).

3 Actual impact fees collected are transferred to the Development Fee Fund.

4 Transfer to General Equipment Fund for budgeted purchases.

5 Transfer to Emergency Reserve/Self Insurance Fund for increased reserve.

6 To fund minimum balance requirements.

7 Net unspent amount of budgeted operating expenses and debt service payments.

8 Remaining available transfer amount to be transferred to the Revenue Stabilization Fund and used in future years.

9 Interest earned in the following funds is not available for transfer: Capital Projects, Replacement Reserve, Development Fee, General Equipment, Restricted Reserve Funds, Bond Project Construction Fund.

**JORDAN VALLEY WATER CONSERVANCY DISTRICT**  
**SUMMARY OF CAPITAL AND RESERVE FUNDS ACTIVITY**  
**AND PROPOSED YEAR-END FUND TRANSFER**

	Capital Projects Fund	Replacement Reserve Fund	Development Fee Fund	General Equipment Fund	Emergency Reserve/Self- Ins. Fund	O&M Fund	Short-Term Operating Reserve Fund	Revenue Stabilization Fund	Total Transfer
Balance as of 7/1/2023	\$ 17,555,530	\$ 7,265,129	\$ 192,395	\$ 373,104	\$ 5,217,412	\$ 16,010,502	\$ -	\$ 8,683,955	
Interest/Trans./Contrib.	5,868,913	3,018,625	4,416	203,527	127,065	9,116,423	-	90,015	
Disbursements (7/1-9/30/2023)	<u>(3,606,252)</u>	<u>(3,197,186)</u>	<u>(98,199)</u>	<u>(330,626)</u>	<u>(39,700)</u>	<u>(13,769,917)</u>	<u>-</u>	<u>(5,863,453)</u>	
Balance as of 9/30/2023	<u>19,818,191</u>	<u>7,086,568</u>	<u>98,612</u>	<u>246,005</u>	<u>5,304,777</u>	<u>11,357,008</u>	<u>-</u>	<u>2,910,517</u>	
<b>PROPOSED TRANSFER</b>	<b>\$ 1,554,301</b>	<b>\$ 14,155,949</b>	<b>\$ 205,960</b>	<b>\$ 900,000</b>	<b>\$ 100,000</b>	<b>\$ 200,000</b>	<b>\$ 3,386,936</b>	<b>\$ -</b>	<b>\$ 20,503,146</b>
New Balance	<u>\$ 21,372,492</u>	<u>\$ 21,242,517</u>	<u>\$ 304,572</u>	<u>\$ 1,146,005</u>	<u>\$ 5,404,777</u>	<u>\$ 11,557,008</u>	<u>\$ 3,386,936</u>	<u>\$ 2,910,517</u>	

**SUMMARY OF SELECT FUND TRANSFERS**

**CAPITAL PROJECTS FUND**

\$ 44,500 Cost share from removal of park strip landscaping along 1300 West (West Jordan City)  
1,509,801 Sale of reservoir and land at 4500 South 4800 West (Granger-Hunter Improvement District)  
\$1,554,301

**SHORT-TERM OPERATING RESERVE FUND**

\$3,524,090 Actual operating expenses less than budgeted (lower water deliveries, vacant positions)  
(137,154) Actual debt service payments more than budgeted (higher variable interest rate)  
\$3,386,936

**REVENUE STABILIZATION FUND**

\$ - None, due to lower than budgeted water deliveries

# **ENGINEERING ACTIVITIES**

JORDAN VALLEY WATER CONSERVANCY DISTRICT

**CONSIDER AUTHORIZATION TO AWARD A CONSTRUCTION CONTRACT  
FOR 1362 EAST 6400 SOUTH WELL REHABILITATION**

November 8, 2023

Project: 1362 East 6400 S Well Rehabilitation  
 Project Number: 4310  
 Budget: \$475,000 in 2023/2024 Capital Projects Budget, and \$700,000 in the 10-Year Capital Projects Plan  
 Cost Sharing: N/A

Bids were received from:

<b>Bidder</b>	<b>Bid Amount</b>
<i>Engineer's Estimate</i>	<i>\$546,000 – \$667,000</i>
Widdison Well Services	\$544,966
Nickerson Company	\$604,871

**Award of Construction Contract Recommended to: Widdison Turbine**

**Total Authorization Amount (Approval Requested): \$544,966**

Summary: The pumping equipment at the 1362 East 6400 South well experienced mechanical and/or age-related failure in January 2023 and is currently in need of replacement. In addition, a recent well condition analysis indicated this well was due for redevelopment. Work shall include removal of the motor and pump, inspection of the motor, well video survey, redevelopment using mechanical and chemical development, furnish and installation of new pumping equipment, well disinfection, testing, and restoration of the site and facility to its preconstruction condition.



JORDAN VALLEY WATER CONSERVANCY DISTRICT

**CONSIDER APPROVAL OF ENGINEERING CONTRACT AMENDMENT  
FOR 3300 SOUTH PIPELINE PROJECT**

November 8, 2023

Project:	3300 South Pipeline Project	
Project Number:	4190	
Budget:	\$4,200,000 in 2023/2024 Capital Projects Budget	
Engineer:	Bowen, Collins & Associates	
Original Contract Price:		\$388,773

**Amendment No. 3**

**Additional Funding Requested: \$271,869**

Summary: This amendment includes additional construction management services for the 3300 South Pipeline Replacement project. Additional funds are being requested due to the complexities of working with three separate contractors, constraints required by UDOT, and work by a contractor that will extend into the Spring.

Current Contract Price Adjusted by Previous Amendments:	\$547,984
New Contract Price:	\$819,853
Cumulative Change from Original Price:	111%

JORDAN VALLEY WATER CONSERVANCY DISTRICT

**CONSIDER APPROVAL OF THIRD JOINT AGREEMENT WITH HEXCEL CORPORATION AND KEARNS IMPROVEMENT DISTRICT**

November 8, 2023

Summary: The District's existing water purchase agreement with Hexcel Corporation (Hexcel) also known as "Second Joint Agreement" expires December 31, 2023. The existing Second Joint Agreement with Hexcel includes Kearns Improvement District (KID) because KID provides supplemental water to Hexcel. Earlier this year the District explored the option of allowing KID to become the sole provider of water to Hexcel, but KID and Hexcel need more time to develop terms of service that are acceptable to both parties. The Third Joint Agreement will have a five year term and includes the same minimum purchase amount (720 acre-feet) as the existing agreement.

**Recommendation: Approve Third Joint Agreement subject to non-substantial revision approved by General Counsel and General Manager.**

### THIRD JOINT AGREEMENT

This Third Joint Agreement (Third Joint Agreement) is made as of January 1, 2024, by Hexcel Corporation, a Delaware corporation qualified to do business and doing business in the State of Utah ("Hexcel"), and the Kearns Improvement District, a special district organized under the laws of the State of Utah ("KID"), and the Jordan Valley Water Conservancy District, a water conservancy district organized under the laws of the State of Utah ("District").

#### RECITALS:

A. The District, formerly known as Salt Lake County Water Conservancy District, and Hercules Incorporated entered into that certain Agreement, dated February 16, 1984, by which the District agreed to supply Hercules with water. The District understands Hercules assigned the agreement to Hexcel (the "Hexcel Contract").

B. The Hexcel Contract was extended and amended on January 1, 2014, to terminate on December 31, 2023.

C. The District and KID most recently entered into the Kearns Improvement District Water Purchase Agreement and Class B Petition, dated April 20, 2022 (the "KID Contract"), by which the District agreed to supply KID with water.

D. To simplify accounting for water deliveries, especially in light of the various purchase/sale arrangements among the parties, and to compensate for shortfalls between the amounts of water delivered to Hexcel and to KID by the District and the minimum amounts of water they must pay for in any event under their separate agreements with the District, the parties entered into that certain Amendment Agreement, made as of January 1, 1998 (the "1998 Amendment Agreement") and into a Second Joint Agreement on January 1,

2014 (the "Second Joint Agreement") .

E. The parties now desire to clarify and to revise the arrangements made in the Hexcel Agreement, the 1998 Amendment Agreement, and the Second Joint Agreement, and they intend to do so in this document.

TERMS:

1. (a) The points of delivery and flow rates for Hexcel, as identified in the Second Joint Agreement, have not changed and are restated in Attachment 1 to this Third Joint Agreement.

(b) The volume of water that the District shall sell annually to Hexcel and Hexcel shall purchase annually, or in any event pay for annually regardless of whether Hexcel actually takes delivery of that amount, has not changed from the Second Joint Agreement and is in the minimum amount of seven hundred twenty (720) acre feet of water (the "Yearly Amount").

(c) Hexcel, at its discretion, may purchase additional water from the District in an amount not to exceed twenty percent (20%) of the Yearly Amount, provided that the District determines additional water is available (the "Additional Water").

(d) Amounts due from Hexcel will be billed monthly, and payments shall be due and payable within thirty (30) days of the date of the statement. A statement not paid by its due date will be considered delinquent. Delinquent amounts shall accrue simple interest of one percent (1%) per month (12% APR) until paid in full.

2. All water delivered by the District in any year to Hexcel in excess of eight hundred sixty four (864) acre feet (the "Excess Delivery Water") shall be charged to,

and paid for by, KID as part of the "minimum volume of water" sold to KID by the District as identified in paragraph 1(a) of the KID Contract and, if KID has exceeded its minimum volume, shall be charged to and paid for by KID as additional water as identified in paragraph 1(b) of the KID Contract or as provided for in District's Rules and Regulation for Wholesale Water Service.

(a) Excess Delivery Water will be billed by KID to Hexcel at KID's then applicable retail rates.

(b) Excess Delivery Water will continue to be subject to the delivery limitations of Attachment 1 and will be used in determining Hexcel's use of District's system for purposes of establishing Hexcel's annual billing rate and peak demand. Excess Delivery Water shall not be used to determine KID's peak demand or KID's use of District's system in determining KID's annual billing rate.

(c) District shall bill Hexcel for monthly customer related charges as described in paragraph 3(d) of the Hexcel Contract regardless of whether water being delivered to Hexcel is part of the Yearly Amount, is Additional Water, or is Excess Delivery Water.

3. Should Hexcel, or any entity receiving water from Hexcel, construct any building or structure during the term of this agreement that requires or includes irrigated landscaping, the landscaping shall comply with District's then adopted water efficiency standards.

4. The term of this Third Joint Agreement shall be five (5) years, commencing on January 1, 2024, and expiring without further notice or condition on December 31, 2029.

5. This Agreement amends only specific provisions of the Hexcel Contract and of the KID Contract. All other terms and conditions of each Contract shall remain the same, are not affected by this Agreement, and are binding on the parties to each Contract.

6. If there is any express conflict between the terms of this Third Joint Agreement and any prior agreement between the parties, or any of them whether individually or as a group, the terms of this Third Joint Agreement shall control.

7. This Third Joint Agreement does not relieve any party of its obligation to pay any sums due under a prior agreement.

HEXCEL CORPORATION  
P.O. Box 18748  
Salt Lake City, Utah 84118-0748

Date: \_\_\_\_\_

By: \_\_\_\_\_

Its: \_\_\_\_\_

KEARNS IMPROVEMENT DISTRICT  
5350 West 5400 South  
P.O. Box 18608  
Kearns, Utah 84118

Date: \_\_\_\_\_

By: \_\_\_\_\_

Its: \_\_\_\_\_

JORDAN VALLEY WATER CONSERVANCY  
DISTRICT  
8215 South 1300 West  
West Jordan, Utah 84088

Date: \_\_\_\_\_

By: \_\_\_\_\_

Its: \_\_\_\_\_

ATTACHMENT 1

EXHIBIT A

POINTS OF DELIVERY AND FLOW RATES  
FOR HEXCEL CORPORATION

	METER INFORMATION	CONTRACT CAPACITY (GPM)
ADDRESS	SIZE	<b>MAXIMUM</b> FLOW RATES Peak Day (a)
4700 S. 6000 W.	6"	385
4350 S. 6400 W.	6"	125
TOTAL:		510
<u>Notes:</u> (a) Maximum average flow rate over twenty-four (24) hours (GPM).		

JORDAN VALLEY WATER CONSERVANCY DISTRICT

**CONSIDER APPROVAL OF AMENDMENT TO WATER PURCHASE AGREEMENT WITH GRANGER-HUNTER IMPROVEMENT DISTRICT**

November 8, 2023

Summary: Section 1.5 of the JWCD Rules and Regulations for Wholesale Water Service allow Member Agencies to request a reduction in their minimum purchase volume contemporaneous with either an increase in other Member Agencies minimum purchase volume or when other Member Agencies have a “step up” in their minimum purchase volume. The total amount of reductions in any year may not exceed the amount of increased volume on a district wide basis for that same year. JWCD’s General Manager established a deadline of October 31, 2023, for Member Agencies to request a reduction in their minimum purchase volume.

In 2023, the minimum contract volume of all take-or-pay contracts is scheduled to increase in the amount of 2,583 acre feet. Only one request for reduction was submitted:

Member Agency Requesting Reduction	Current Minimum Purchase Volume (AF)	Requested Reduction In Minimum Volume (AF)	Requested New Minimum Purchase Volume (AF)
Granger-Hunter Improvement District	18,500	1,500	17,000
Total requested reduction:		1,500	

**Recommendation:** **Approve the attached Amendment to Water Purchase Agreement and authorize the General Manager and General Counsel to make minor revisions.**



AMENDMENT TO GRANGER-HUNTER IMPROVEMENT DISTRICT  
WATER PURCHASE AGREEMENT AND PETITION

This Amendment Agreement (“Amendment”) is made as of \_\_\_\_\_, 2023, by and between the Jordan Valley Water Conservancy District, a Utah special district (“District”), and Granger-Hunter Improvement District, a Utah special district (“Purchaser”).

RECITALS:

- A. The parties entered into the “Granger-Hunter Improvement District Water Purchase Agreement and Class B Petition,” made as of March 16, 2005 (the “Contract”); and,
- B. Pursuant to District’s Rules and Regulations for Wholesale Water Service, Purchaser has made a request to reduce the minimum amount of water it has agreed to buy annually, or in any event pay for annually, as set forth in Exhibit A to the Contract (the “Minimum Purchase Amount”).
- C. The District has determined that Purchaser’s request, in the amount described in this Amendment, will not exceed the contemporaneous increase in minimum volume contracts by other wholesale customers within the District’s service area.
- D. The parties now desire to amend the Contract, consistent with the terms of this Amendment, to adjust Purchaser’s Minimum Purchase Amount and other specific terms of the Contract as set forth in this Amendment.

TERMS:

The parties agree as follows:

1. Exhibit A of the Contract, setting forth Purchaser's Minimum Purchase Amount, is hereby amended to read as set forth on Exhibit A to this Amendment.
2. Exhibit B of the Contract, establishing the points of delivery and contract capacity for water delivered by District to Purchaser, is hereby amended to read as set forth on Exhibit B to this Amendment.
3. This Amendment is effective as of January 1, 2023. The Minimum Purchase Amount set forth in Exhibit A to this Amendment shall be used to determine final payments owed to the District for water deliveries beginning in calendar year 2023 and in future years, and shall apply to all other terms and conditions of the Contract relating to the Minimum Purchase Amount.
4. By entering into this Amendment, Purchaser is not eligible to increase its Minimum Purchase Amount for a period of three years following the date the reduction in the Minimum Purchase Amount was approved by the District's Board of Trustees.
5. This Amendment amends only specific provisions of the Contract, including Exhibit A and Exhibit B to the Contract. All other terms and conditions of the Contract remain the same, are not affected by this Amendment, and are binding on all parties to this Amendment.

[SIGNATURE PAGE FOLLOWS]

“District”:

ATTEST:

Jordan Valley Water Conservancy District

\_\_\_\_\_  
District Clerk

By:

\_\_\_\_\_  
Corey L. Rushton  
Its Board Chair

“Purchaser”:

ATTEST:

Granger-Hunter Improvement District

\_\_\_\_\_

By:

\_\_\_\_\_

Its:

\_\_\_\_\_

EXHIBIT A

MINIMUM ANNUAL AMOUNT OF WATER  
GRANGER-HUNTER IMPROVEMENT DISTRICT SHALL TAKE FROM,  
OR IN ANY EVENT PAY FOR

CALENDAR YEAR	MINIMUM AMOUNT (AF)
2023 AND THEREAFTER	17,000

EXHIBIT B

POINTS OF DELIVERY, CAPACITY, AND FLOW RATES

ADDRESS	METER INFORMATION	CONTRACT CAPACITY MAXIMUM DAILY FLOW RATES (GPM) <sup>(a)</sup>
	DIAMETER (INCHES)	2023 and thereafter
<b>PUMPED <sup>(b)</sup></b>		
4700 South 6000 West-E	10"	N/A
4700 South 6000 West	3"	N/A
4700 South 6000 West-W	10"	551
4700 South 4800 West-W	10"	2,205
4700 South 4800 West-E	10"	277
4300 South 6400 West	10"	N/A
<b>NON-PUMPED <sup>(c)</sup></b>		
4180 South 2200 West	10"	3,859
4540 South 3760 West-E	10"	N/A
4540 South 3760 West-W	10"	1,102
4500 South 4800 West-Old	18"	6,063
4500 South 4800 West-New	18"	6,337
4500 South 4800 West	10"	N/A
2700 South 3680 West	14"	7,166
<b>CURRENT 2023 METER STATIONS AND CONTRACT CAPACITIES:</b>		<b>27,560</b>

NOTES:

- (a) Maximum average flow rate over twenty-four (24) hours (gpm).
- (b) JVVCD storage at 4,714-4,740 feet above sea level (additional pipe friction losses will occur).
- (c) JVVCD storage at 4,565-4,605 feet about sea level (additional pipe friction losses will occur).

# **REPORTING ITEMS**

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
**CENTRAL UTAH PROJECT/CUWCD ACTIVITIES REPORT**

November 8, 2023

The Central Utah Water Conservancy District (CUWCD) Board of Trustees held its monthly meeting on October 25, 2023.

**Engineering & Operations Committee**

- The Board of Trustees approved the Award of a Construction Contract for the Central Water Project (CWP) 400 North Well #17 Feeder Pipeline Project to WW Clyde in the amount of \$4,999,000. The CWP currently has 8 existing wells and 3 additional wells are under construction, one of which is Well #17. This well is approximately one-half mile from the Well Collector Pipeline and this project will connect this well into the Collector Pipeline and include electrical conduit to provide power to the well. Jordan Valley Water receives finished water from the CWP.

**Legal & Legislative Committee**

- The Board of Trustees approved Resolution 2023-10-16 reappointing Gene Shawcroft to the Governing Board of the Utah Association of Special Districts and Robert Moore, CUWCD Legal Counsel, to serve as CUWCD's alternate on the UASD Governing Board.
- The Board of Trustees approved a Reuse Authorization Contract allowing for the reuse of Central Utah Project Water at a wastewater reuse facility and distribution system in Salt Lake County. The parties to the agreement include CUWCD, MWDSLS, Sandy City, JWCD, Bluffdale City, Draper Irrigation Company, South Valley Sewer District, Draper City, and the United States Department of the Interior Central Utah Project Completion Act (CUPCA) Office. This agreement will allow the Jordan Basin Water Reclamation Facility to send effluent water to Draper Irrigation and Bluffdale City for secondary irrigation. This project meets Section 207 requirements of the CUPCA and CUWCD's commitment to recycle CUP Bonneville Unit water in Salt Lake County.
- The Board of Trustees approved a Reuse Authorization Contract allowing for the reuse of Central Utah Project Water at a wastewater reuse facility and distribution system in Salt Lake County. The parties to the agreement include CUWCD, MWDSLS, Salt Lake City, and the United States Department of the Interior CUPCA Office. This agreement will allow the Salt Lake City Water Reclamation Facility to send effluent water to Great Salt Lake via the Sewage Canal. This project meets Section 207 requirements of the CUPCA and CUWCD's commitment to recycle CUP Bonneville Unit water in Salt Lake County.

**Colorado River Program**

- The Board of Trustees approved a local cost share not to exceed \$250,000 toward the Bureau of Reclamation Snow Water Supply Forecasting Program Grant that has been awarded to the Colorado River Authority of Utah for Snowpack Measurement Enhancements in the Uinta Mountain Headwaters. This project will use Airborne Snow Observatory (ASO) to fly the proposed study area with aircraft equipped to measure snow conditions. These measurements will be compared to conventional SNOTEL measurements and generate forecasts.



JORDAN VALLEY WATER CONSERVANCY DISTRICT

**REPORT ON FACILITIES RENTAL AGREEMENTS  
SIGNED BY THE GENERAL MANAGER**

November 8, 2023

<b>Rental Agreement</b>	<b>Education Center</b>
Event Type:	Executive Meeting
Rental Terms:	\$480.00
Rental Location:	Pinyon Pine Room
Renting Party:	American Planning Association
Date of Event:	December 15, 2023



JORDAN VALLEY WATER  
CONSERVANCY DISTRICT

# ATTRIBUTES FOR AN EFFECTIVELY MANAGED DISTRICT

September 2023 Performance Indicators

Details for each indicator can be seen on the attached pages

## 1. Product Quality

- Drinking water compliance rate
- Perceived/aesthetic water quality

## 2. Water Resource Adequacy

- Source water quality management
- Short-term water supply adequacy (annual)
- Short-term water source capacity
- Long-term water supply adequacy (annual)
- Water demand management (annual)

## 3. Customer Satisfaction

- Customer Response System

## 4. Infrastructure Stability

- Pipeline breaks (12-month running total)
- On-time maintenance (% of time)

## 5. Long-term Financial Viability

- Repair & replacement funding from rate revenue (annual)
- Debt service coverage (annual)
- Long-term debt to equity (annual)

## 6. Employee & Leadership Development

- Employee Training Hours (12-month rolling average)

## 7. Operational Resiliency

- Workforce Resiliency (reportable injuries & illnesses)
- Employee safety & business risk management (vehicle & equipment incidents)
- Emergency Response Preparedness
- Power Resiliency

## 8. Operational Optimization

- Water quality improvements beyond regulatory standards (12-month rolling average)
- Non-revenue water management
- Efficient use of electricity\*

## 9. Community Sustainability

- Centralized conjunctive management of groundwater and surface water

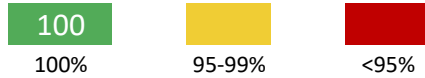
## 10. Stakeholder Understanding & Support

- Media/press coverage tone
- Member Agency survey
- Employee survey
- Retail customer survey

\*The current model used to determine efficient use of electricity requires significant modifications to account for changes in member agency demand patterns requiring more booster pump operation. Staff plans to reevaluate this KPI during the Strategic Planning effort and recommends suspending the monthly report of this KPI until the new KPI is developed.

# 1. Product Quality

## Drinking Water Compliance Rate (%)

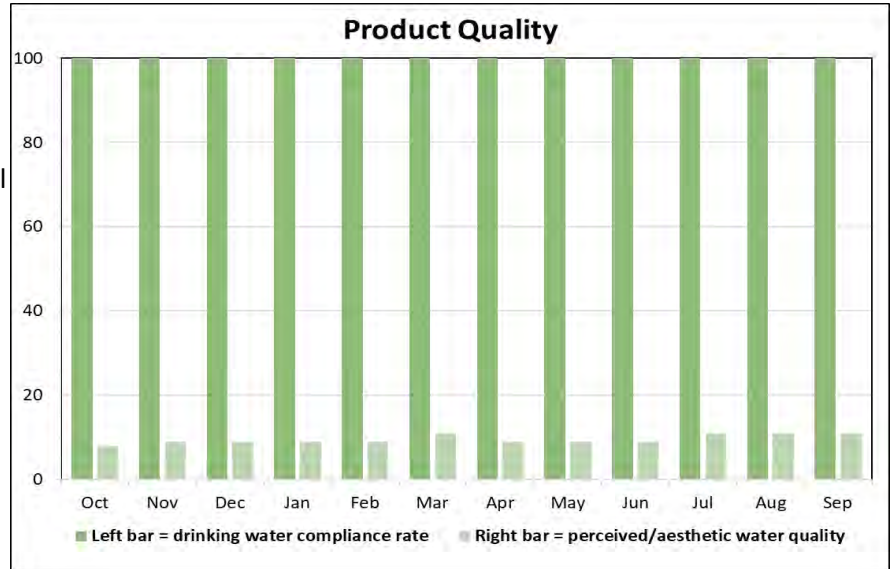


District compliance with all drinking water regulations: (100 x # of days in full compliance for the year) / 365 days.

## Perceived/aesthetic water quality



Number of calls from retail and wholesale customers concerned about water quality, calculated as a rolling 12-month average.



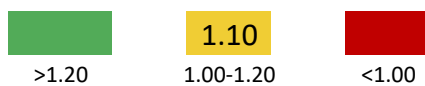
# 2. Water Resource Adequacy

## Source water quality management



Does the District have a current source water protection plan? Is it current? G = Yes to both; Y = Yes, but it isn't current; R = No to both

## Short-term water supply adequacy (annual)



Projected current and subsequent years' water supply ÷ current and subsequent years' contract purchase amounts (in AF/year).

## Short-term water source capacity



Current and subsequent calendar years' water source capacities ÷ the current and subsequent calendar years' projected peak demands (in cfs).

## Long-term water supply adequacy (annual)



Total developed and contracted drought year water supply ÷ the projected demand in 15 years (based on conservation goal for per capita use that year).

## 2. Water Resource Adequacy (continued)

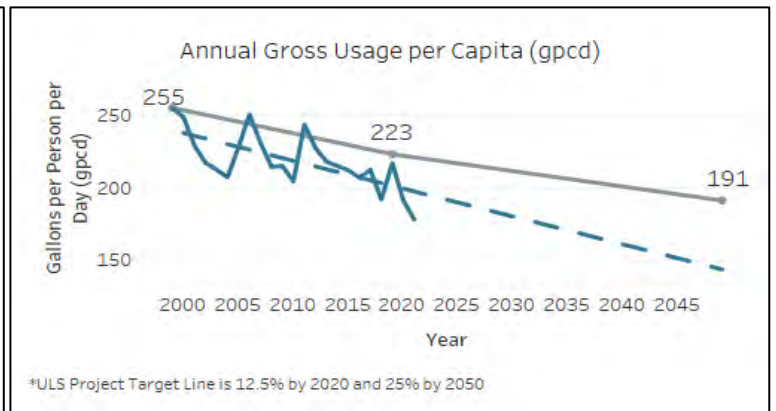
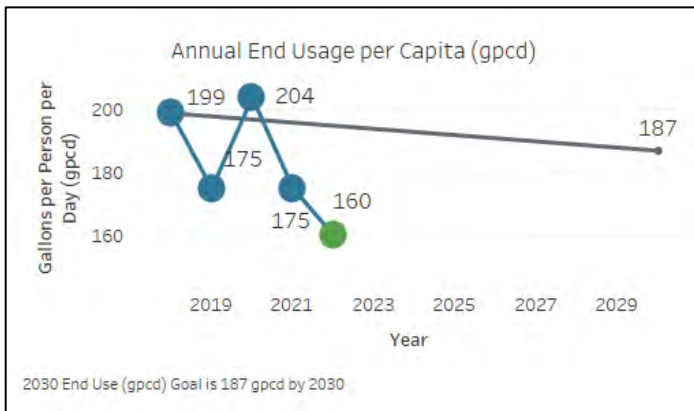
### Water demand management (annual)

X  
gpcd below

gpcd above

Best fit line  
above ULS

District-wide per capita water use measured in gallons per capita per day (gpcd): G = actual end use gpcd is at or below goal line; Y = actual end use gpcd is above goal line; R = the gross use gpcd best fit line since the year 2000 is above the ULS Project Target Line



## 3. Customer Satisfaction

### Customer response system (% , 12-month rolling average)

97.80  
>95%

94-90%

<90%

Customer calls relating to critical service issues (pressure, water quality, leaks, service disruptions, security, and other critical service issues).

Customer calls must be responded to within a 2-hour limit.

G=>95% 2-hr response rate, Y=90%-94% response rate, R=<90% response rate

# 4. Infrastructure Stability

Pipeline breaks per year (12-month running total)

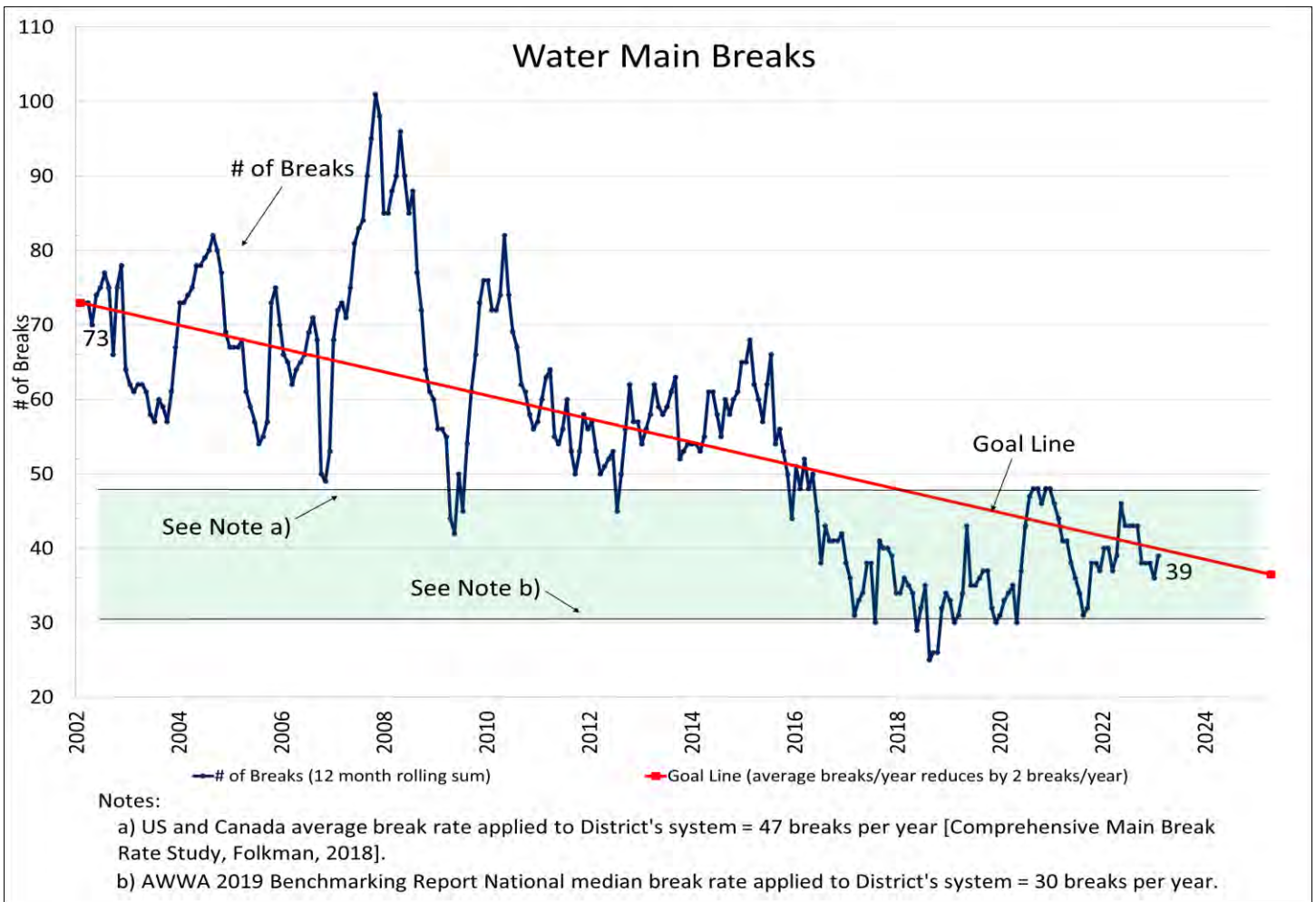
39



Pipeline breaks are defined as a failure of a pipeline or associated fittings which interrupts water service and/or requires repairs.

Maintain, rehabilitate, or replace distribution and transmission pipelines as necessary to keep number of breaks at a manageable level.

G= < goal line; Y= > goal line but < 55 breaks in last year; R= ≥ 55 breaks in last 12 months.



On-time maintenance (% of time, 12-month rolling average)

96.40

≥95



80-94



<80

Follow manufacturer-recommended preventive maintenance programs for all equipment in use throughout the District.

G=95% of work orders completed on time

Y=<90% but >80% work orders completed on time

R=<80% of work orders completed on time.

## 5. Long-term Financial Viability

Repair and Replacement funding from rate revenue (% annual)



To ensure a sustainable, ongoing source of funding to repair and replace capital assets, 100% of R&R shall be funded with rate revenue.

Debt service coverage (annual)

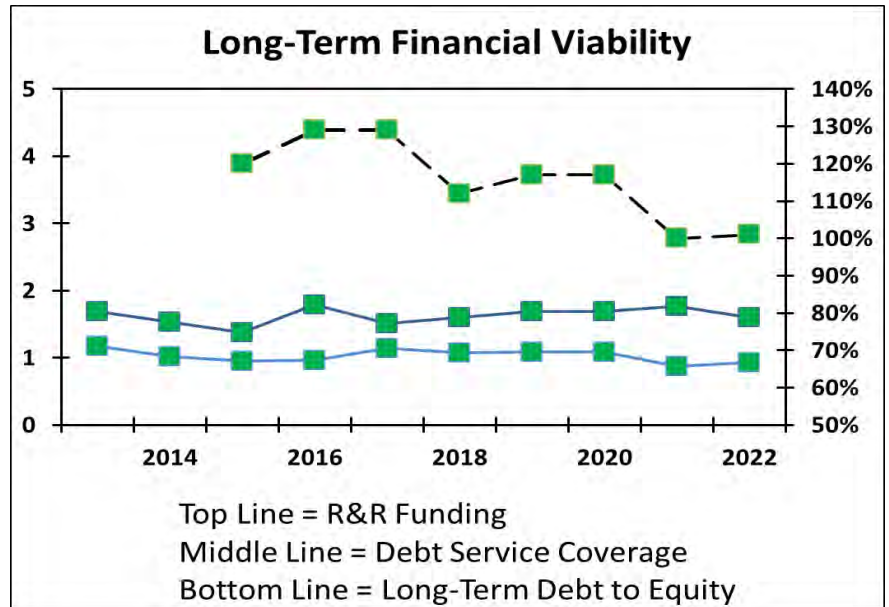


Bond covenant is 1.00; our "healthy" range is anything greater than 1.30.

Long-term debt to equity (annual)



To ensure the District's debt doesn't increase too quickly, this ratio should be less than 1.20.



## 6. Employee & Leadership Development

Employee training hours (12-month rolling average)



Training hours listed as an average number of hours per employee per year.

G=≥40 hours average per employee

Y=25-39 hours average per employee

R=<24 hours average per employee

# 7. Operational Resiliency

## Workforce resiliency (reportable injuries & illnesses)

2.50

<5.7

5.7-8.0

5.7-8.0

>8.0

>8.0

(Number of reportable injuries and illnesses x 200,000) ÷ # of employee hours worked; 12-month rolling average

## Employee safety and business risk management (vehicle & equipment incident rate)

1.20

<1.80

1.80-2.30

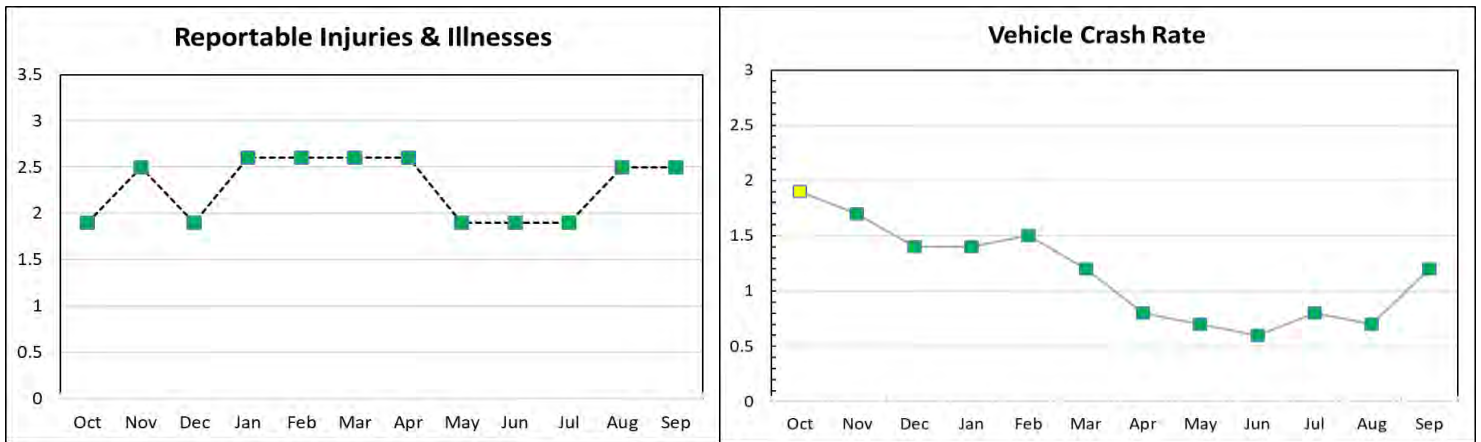
1.80-2.30

>2.30

>2.30

(Number of vehicle & equipment incidents x 100,000) ÷ # of miles driven; 12-month rolling average.

- 7 of the 7 incidents were allegedly caused by District employees.



## Emergency response preparedness

X

Both

1

1

Neither

Neither

1. Has the District's Emergency Response Plan (ERP) and Continuity of Operations Plan (COOP) been updated within the last 12 months?
2. Have all District employees been given the opportunity of three training sessions per year on emergency response procedures as outlined in the ERP and COOP?

## Power resiliency

X

Yes

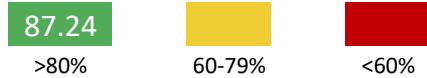
No

No

Does the District have stand-by electric power to meet indoor water demands?

## 8. Operational Optimization

Water quality improvements beyond regulatory standards (12-month rolling average)



District achievement of stringent, self-imposed water quality goals resulting from treatment and distribution system optimization. (100 x # of days goals are met)/365 days.

Non-revenue water management



Non-revenue water includes apparent losses in the system and is based on a 36-month rolling average.

Efficient use of electricity



Calculated energy use compared to energy use predicted by Rocky Mountain Power (RMP) model

*\*The current model used to determine efficient use of electricity requires significant modifications to account for changes in member agency demand patterns requiring more booster pump operation. Staff plans to reevaluate this KPI during the Strategic Planning effort and recommends suspending the monthly report of this KPI until the new KPI is developed.*

G=calculated energy use is <100% of energy use predicted by RMP model

Y=calculated energy use is between 100% and 105% of energy use predicted by RMP model

R=calculated energy use is >105% of energy use predicted by RMP model

## 9. Community Sustainability

Centralized conjunctive management of groundwater and surface water



G = 3 "yes" answers; Y = 2 "yes" answers; R = <2 "yes" answers



Annual Water Supply Plan (Does the District have an annual water supply plan in place?)



Conjunctive management meetings (Have the operating departments met quarterly to review the water supply plan and discuss water supply availability, concerns, and issues?)



Adjusted Water Supply Plan (Is the plan being revised or adjusted as necessary to optimize the District's conjunctive use of GW, stored SW, and unstored SW supplies?)



## 10. Stakeholder Understanding & Support\*

### Media/press coverage tone



0



1



>1

G = all positive/neutral tone; Y = 1 with negative tone; R = more than 1 with negative tone



Yes



No

Member Agency survey (Has a member agency survey been administered in the past 3 years?)



Yes



No

Employee survey (Has an employee survey been administered in the past 2-3 years?)



Yes



No

Retail customer survey (Has a retail customer survey been administered in the past 5 years?)

\*Media/press coverage tone is for the most current month

**CAPITAL PROJECTS**  
OCTOBER 2023

## Final Project Completion Report

**Project Name and Number: JWTP Blower Room Acoustical Improvements, #4070**

**Description:** The filter backwash blowers at the JWTP are mechanical equipment which emit considerable noise (125 dba). This noise was highly audible in the lab area directly above the blower which created undesirable working conditions. This project designed and installed acoustical improvements including specialized sound-attenuating foam insulation on the ceiling and walls and a new high-quality sound door for the blower room. Decibel levels in the Laboratory area were reduced from 90 dba to 65 dba. The project has been highly successful in accomplishing its objectives.

**District Project Manager: David McLean**

<b>Engineer: Brown and Caldwell</b>	<b>Design Status: 100%</b>
Original Engineering Contract Amount:	\$17,229
Final Engineering Contract Amount:	\$33,488

<b>Contractor: Vancon</b>	<b>Construction Status: 100%</b>
Original construction contract amount:	\$98,400
Total Change Order amount:	\$5,002
Final construction contract amount:	\$103,402
Total change orders as a percentage of original contract:	5.1%
Completion Schedule:	
Notice to Proceed:	2/28/2023
Final Completion:	10/19/2023

<b>Summary of Change Orders:</b>		<b>Amount</b>
	<b>Description</b>	
1	Provide new door hardware and pipe insulation.	\$5,002
Total Change Order Amount:		\$5,002

# Final Project Completion Report



JVWTP Blower Room prior to construction



4" of sound attenuating foam on walls



Installed high-performance sound attenuating door



8" of Sound attenuating ceiling foam between blowers and lab

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
CAPITAL PROJECTS REPORT  
September 19, 2023 - October 16, 2023

**Capital Projects Budget Status Report**

Total FY 2023-2024 Capital Projects Budget (Gross):	\$73,105,650
Budgeted Reimbursements:	(\$11,889,642)
Total FY 2023-2024 Capital Projects Budget (Net):	\$61,216,008
Total FY 2023-2024 Capital Projects Expenditures to Date:	\$8,899,663

Total Proceeds from 3/15/2019 Asset Sale Designated in Capital Projects Fund for Water Supply Purchases:	\$5,898,917
Balance After Previously Reported Purchases:	\$3,205,145
Water Supply Purchases (No purchases during this period):	
Remaining Balance:	\$3,205,145

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
 CAPITAL PROJECTS REPORT  
 September 19, 2023 - October 16, 2023

**Project Name and Number: Southwest Aqueduct Reach 2, #4321**

Project Description: The extension of the Southwest Aqueduct Reach 2 (SWA-2) is a proposed 66-inch pipeline which will run parallel to the JA-2 from 13400 South to 11800 South. With increasing demands and the expansion of JVVWTP, additional conveyance capacity is needed to provide valuable redundancy to JA-2 and additional capacity to meet peak demands. Sections of the SWA-2 were constructed previously, and this project will connect the existing sections to make a continuous pipeline from the JVVWTP to 11400 South.

District Project Manager: Kevin Rubow

Electrical Engineer: Bowen, Collins & Associates, Inc.	Original engineering contract amount:	\$2,808,146
	Design Status: 1%	
	Construction Management Status: 0%	
<u>Additional services authorized since last report:</u>		
• n/a		
Current contract amount:		\$2,808,146

Contractor: n/a	Original construction contract amount:	\$0
	Construction Status: 0%	
	Substantial Completion Date: n/a	
<u>Change orders approved since last report:</u>		
• n/a		
Current construction contract amount:		\$0
Total change orders as a percentage of original contract:		

<u>Other Approvals since last report</u>	<u>Vendor</u>	<u>Amount</u>
• n/a		

Current Status: District staff have scheduled the kick-off meeting with the consultant to begin the design of the project.
--

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
 CAPITAL PROJECTS REPORT  
 September 19, 2023 - October 16, 2023

**Project Name and Number: JWTP Elevator Modernization, #4312**

Project Description: The JWTP High-rise elevator underwent an overhaul in 2000-01. After 22 years of continuous service, the elevator is in constant need of repairs and remains out of service for long periods of time. JWCD is modernizing the elevator to provide reliable equipment and additional years of service. The elevator modernization consists of replacing all the system's worn-out and obsolete components including the electrical parts and controls.

District Project Manager: Marcelo Anglade

Electrical Engineer: VDA, Inc.	Original engineering contract amount:	\$15,060
	Design Status: 100%	
	Construction Management Status: 1%	
<u>Additional services authorized since last report:</u>		
• n/a		
Current contract amount:		\$15,060

Contractor: TK Elevator, LLC	Original construction contract amount:	\$322,552
	Construction Status: 1%	
	Substantial Completion Date: 7/8/2024	
<u>Change orders approved since last report:</u>		
• n/a		
Current construction contract amount:		\$322,552
Total change orders as a percentage of original contract:		0%

<u>Other Approvals since last report</u>	<u>Vendor</u>	<u>Amount</u>
• n/a		

Current Status: Contract is being negotiated with the contractor.
---

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
 CAPITAL PROJECTS REPORT  
 September 19, 2023 - October 16, 2023

**Project Name and Number: Generator Project Phase II, #4311**

Project Description: JWVCD operates several booster stations and wells to provide water deliveries to various pressure zones within its service area. JWVCD's level of service goal is to meet indoor water demands within each pressure zone in the event of an extended valley-wide power outage. This Phase of the generator project will include the evaluation of the existing emergency power generation equipment and pumping capacity within each zone to meet indoor demands and to equip additional critical pumping facilities with standby electric generation equipment to enable delivery of essential indoor water needs following an emergency event which disrupts the electrical power grid. This project was selected to receive up to \$2,870,000 in federal funding.

District Project Manager: Kevin Rubow

Electrical Engineer: AE2S Design Engineer: JWVCD Staff  <u>Additional services authorized since last report:</u> <ul style="list-style-type: none"> <li>• n/a</li> </ul>	Original engineering contract amount: \$611,000  Design Status: 10% Construction Management Status: 0%
Current contract amount:	\$611,000

Contractor: n/a  <u>Change orders approved since last report:</u> <ul style="list-style-type: none"> <li>• n/a</li> </ul>	Original construction contract amount:  Construction Status: 0% Substantial Completion Date: n/a
Current construction contract amount:	
Total change orders as a percentage of original contract:	

<u>Other Approvals since last report</u>	<u>Vendor</u>	<u>Amount</u>
<ul style="list-style-type: none"> <li>• n/a</li> </ul>		

**Current Status:** District staff met with the consultant to review the functionality of the existing generators within the system to evaluate the reliability and redundancy of the equipment for each pressure zone. This information will be used to provide recommendations on phased replacements of the existing emergency power generation equipment with the preliminary design report.



JORDAN VALLEY WATER CONSERVANCY DISTRICT  
 CAPITAL PROJECTS REPORT  
 September 19, 2023 - October 16, 2023

**Project Name and Number: 2023-2024 Vault Improvement Project, #4320**

Project Description: JVVCD has an ongoing program to replace aging infrastructure in its transmission and distribution system. This project includes the rehabilitation of piping and valves in five vaults and the relocation of an additional vault due to access safety concerns. Rehabilitation of these vaults will provide greater operational flexibility, increase staff safety, and reduce the likelihood of failure at these locations. Project includes three vaults on the 11400 South Pipeline and three vaults near the 4500 South Pipeline.

District Project Manager: Conor Tyson

Engineer: Hansen, Allen & Luce, Inc.	Original engineering contract amount:	\$481,972
	Design Status: 15%	
	Construction Management Status: 0%	
<u>Additional services authorized since last report:</u>		
• n/a		
Current contract amount:		\$481,972

Contractor: n/a	Original construction contract amount:	
	Construction Status: 0%	
	Substantial Completion Date: n/a	
<u>Change orders approved since last report:</u>		
• n/a		
Current construction contract amount:		\$0
Total change orders as a percentage of original contract:		

<u>Other Approvals since last report</u>	<u>Vendor</u>	<u>Amount</u>
• n/a		

Current Status: Consultant is working on 30% drawings and analyzing various design options. Drawings will be available to review in November.

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
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**Project Name and Number: SERWTP Bridging Polymer System Improvements, #4284**

Project Description: Bridging polymer is used at the SERWTP to help bind particles in the water to improve removal during the sedimentation process. The existing bridging polymer system is aging, requires frequent maintenance, and replacement parts are difficult to obtain. In addition, the system is undersized and lacks redundancy. This project seeks to replace this aging polymer system with a new system which will provide redundancy and will be sized appropriately to accommodate the plant's needs.

District Project Manager: Conor Tyson

Engineer: AE2S	Original engineering contract amount:	\$49,242
	Design Status: 100%	
	Construction Management Status: 14%	
<u>Additional services authorized since last report:</u>		
• Additional services during bidding.		\$6,600
Current contract amount:		\$55,842

Contractor: Corrio Construction	Original construction contract amount:	\$737,043
	Construction Status: 14%	
	Substantial Completion Date: 2/15/2024	
<u>Change orders approved since last report:</u>		
• n/a		
Current construction contract amount:		\$737,043
Total change orders as a percentage of original contract:		0%

<u>Other Approvals since last report</u>	<u>Vendor</u>	<u>Amount</u>
• Plate and Sensor upgrades.	Ellsworth Paulsen Construction	\$2,518

Current Status: Final polymer system submittal was approved. Contractor is coordinating shipping schedule for the system.
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**JORDAN VALLEY WATER CONSERVANCY DISTRICT**  
**CAPITAL PROJECTS REPORT**  
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**Project Name and Number: Zone "D" Reservoir Erosion Control Plan, #4204**

Project Description: The Zone "D" reservoir is experiencing erosion damage caused by storm water accumulating on top of the reservoir and creating ruts as it flows down the slopes of the reservoir. This results in the protective cobble and underlying soil to wash down the slopes, plug the drainpipes, and create issues with the roadways, electrical boxes, and vaults on the site. This project seeks to solve these issues by directing water from the reservoir roof deck to four new drainpipes and conveying the water to the on-site storm water conveyance system. Work includes modifications to electrical boxes to prevent damage to electrical equipment in the boxes and the vaults.

District Project Manager: Conor Tyson

Engineer: Hansen, Allen & Luce, Inc.	Original engineering contract amount:	\$19,100
	Design Status: 100%	
	Construction Management Status: 10%	
<u>Additional services authorized since last report:</u>		
• n/a		
Current contract amount:		\$19,100

Contractor: Tribal Construction	Original construction contract amount:	\$92,127
	Construction Status: 10%	
	Substantial Completion Date: 2/14/2024	
<u>Change orders approved since last report:</u>		
• n/a		
Current construction contract amount:		\$92,127
Total change orders as a percentage of original contract:		0%

<u>Other Approvals since last report</u>	<u>Vendor</u>	<u>Amount</u>
• n/a		

Current Status: Contractor has mobilized and started work on site. The reservoir edge has been uncovered and an electrical pull box has been modified.



Potholing the edge of the reservoir and the conduits running along the side



The electrical pull box raised above the flood level

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
 CAPITAL PROJECTS REPORT  
 September 19, 2023 - October 16, 2023

**Project Name and Number: AC Mitigation and Monitoring Project, #4083**

Project Description: Elevated AC voltages have been identified on the 10200 South and 15000 South pipelines. This project will include installation of mitigation equipment to reduce the AC voltage and reduce corrosion risk to the 10200 South pipeline. It will also include the installation of equipment to remotely monitor the AC voltage on the 15000 South pipeline to assess the corrosion risk and to monitor AC voltage limits for personnel safety.

District Project Manager: Kevin Rubow

Engineer: Infinity Corrosion Group	Original engineering contract amount:	\$24,798
	Design Status: 100%	
	Construction Management Status: 15%	
<u>Additional services authorized since last report:</u>		
• n/a		
Current contract amount:		\$65,438

Contractor: Vancon, Inc.	Original construction contract amount:	\$1,582,000
	Construction Status: 15%	
	Substantial Completion Date: 2/16/2024	
<u>Change orders approved since last report:</u>		
• n/a		
Current construction contract amount:		\$1,582,000
Total change orders as a percentage of original contract:		0%

<u>Other Approvals since last report</u>	<u>Vendor</u>	<u>Amount</u>
• n/a		

Current Status: The contractor completed the direction drill, installed the AC mitigation cable along 10200 South between Dunsinane Avenue and 4000 West, and placed asphalt patches within the excavated portions of the roadway. Work continues along 10200 South between 4400 West to 4600 West.



Direction drill rig to install AC mitigation cable

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
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**Project Name and Number: Comprehensive CIP Development Process, #4319**

Project Description: The Comprehensive Capital Improvements Plan (CIP) Development Process will seek to improve the annual CIP process into a living process which will compile studies and planning documents from across JVVCD into a single place which will increase planning effectiveness, facilitate employee knowledge transfer, and reduce the time required for the creation of the annual CIP. The Comprehensive CIP Development Process consists of three main tasks: 1) Develop a framework for the development of comprehensive capital improvement plan, 2) Implement the comprehensive CIP framework, and 3) Update the JVVCD Supply, Demand, and Major Conveyance Plan to include new demand projection details associated with large annexation areas and a redevelopment project.

District Project Manager: Travis Christensen

Engineer: Brown and Caldwell	Original engineering contract amount:	\$394,000
	Plan Status: 9%	
<u>Additional services authorized since last report:</u>		
• n/a		
Current contract amount:		\$394,000

<u>Other Approvals since last report</u>	<u>Vendor</u>	<u>Amount</u>
• n/a		

Current Status: A kickoff for the meeting was held in September. The consulting team has conducted work sessions with JVVCD staff to develop a better understanding of the capital improvement planning process. The consulting team is re-evaluating the demand projections for the JVVCD service area.

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
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**Project Name and Number: 1590 East Well Development, #4281**

Project Description: The 1590 East well has experienced several problems during its most recent operations including turbidity spiking and overheating. In addition, a recent well condition analysis indicated this well was due for redevelopment. The motor has already been removed for repairs. While the motor repairs occur, this project will remove and inspect the pump and chemically and mechanically redevelop this well to help boost future performance.

District Project Manager: Conor Tyson

Engineer: Hansen, Allen & Luce, Inc.	Original engineering contract amount:	\$13,600
	Design Status: 100%	
	Construction Management Status: 66%	
<u>Additional services authorized since last report:</u>		
• n/a		
Current contract amount:		\$13,600

Contractor: Widdison Well Services, LLC	Original construction contract amount:	\$289,700
	Construction Status: 66%	
	Substantial Completion Date: 12/27/2023	
<u>Change orders approved since last report:</u>		
• n/a		
Current construction contract amount:		\$436,939
Total change orders as a percentage of original contract:		51%

<u>Other Approvals since last report</u>	<u>Vendor</u>	<u>Amount</u>
• n/a		

Current Status: All development work is complete. Waiting for of the pump, column, and shaft to arrive for installation.
--

**JORDAN VALLEY WATER CONSERVANCY DISTRICT**  
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**Project Name and Number: 2022-23 Vault Improvements, #4241**

Project Description: JWVCD staff have identified several vaults that are suffering from age related advanced corrosion which requires replacement of the vault piping and valves. This project makes improvements to two existing vaults, abandons four vaults, and replaces one vault in the transmission system. Six of the vaults are located along the 4500 South pipeline in Millcreek and Taylorsville and one vault on the 5600 West pipeline in Herriman. This project is part of an ongoing effort to perform vault repair and replacement work on transmission system vaults in which equipment has reached the end of its serviceable life.

District Project Manager: Travis Christensen

Engineer: Hansen, Allen & Luce, Inc.	Original engineering contract amount:	\$390,286
	Design Status: 100%	
	Construction Management Status: 40%	
<u>Additional services authorized since last report:</u>		
• n/a		
Current contract amount:		\$390,286

Contractor: VanCon, Inc.	Original construction contract amount:	\$893,500
	Construction Status: 40%	
	Substantial Completion Date: 6/1/2024	
<u>Change orders approved since last report:</u>		
• n/a		
Current construction contract amount:		\$893,500
Total change orders as a percentage of original contract:		0%

<u>Other Approvals since last report</u>	<u>Vendor</u>	<u>Amount</u>
• n/a		

Current Status: The contractor has successfully abandoned 3 vaults at 4500 South 700 East, 4600 South 700 East, and 4700 South 900 East. The contractor is preparing and fabricating piping for upcoming vault work in Taylorsville and Murray.



Removal of the old valve at  
4700 South 900 East

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
 CAPITAL PROJECTS REPORT  
 September 19, 2023 - October 16, 2023

**Project Name and Number: JWVTP Filter and Chemical Feed Upgrades, #4289**

Project Description: To support growing peak-day demands and enable treatment of the new ULS supply, JWVCD is pursuing an expansion of JWVTP from its current 180 MGD capacity to an ultimate capacity of 255 MGD. This project will design required improvements for upgrades to the filters and chemical feed systems to support a 255 MGD capacity. The 20-year-old filter media will be replaced with new media installed to a deeper depth to accommodate the increased flows. Other tasks for this project include evaluation of and upgrades to the chemical feed systems, predesign evaluation of ozone and potential implementation, and evaluation of alternatives for backwash tank redundancy and potential implementation.

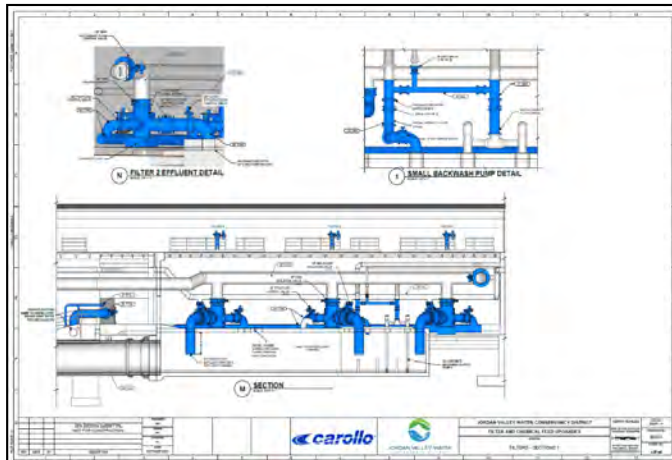
District Project Manager: David McLean

Engineer: Carollo Engineers	Original engineering contract amount: \$6,224,100  Design Status: 35% Construction Management Status: 0%
<u>Additional services authorized since last report:</u> <ul style="list-style-type: none"> <li>• n/a</li> </ul>	
Current contract amount: \$6,224,100	

Contractor: n/a	Original construction contract amount:  Construction Status: 0% Substantial Completion Date: n/a
<u>Change orders approved since last report:</u> <ul style="list-style-type: none"> <li>• n/a</li> </ul>	
Current construction contract amount: \$0	
Total change orders as a percentage of original contract:	

<u>Other Approvals since last report</u>	<u>Vendor</u>	<u>Amount</u>
<ul style="list-style-type: none"> <li>• n/a</li> </ul>		

Current Status: District staff is reviewing 30% design submittal. Construction of these improvements is scheduled for Summer 2025.



Design submittal of filter piping



JORDAN VALLEY WATER CONSERVANCY DISTRICT  
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 September 19, 2023 - October 16, 2023

**Project Name and Number: College Street Well Repair, #4281**

Project Description: During its last operation, the College Street well began pumping gravel pack which indicates a breach in the well screen or casing. The scope of this project includes: removing the pump and motor, performing a well video log, investigating the cause of the problem, repairing the potential breach, inspecting the well equipment, performing well cleaning, well redevelopment and reinstallation of the pump and motor to place the well back into service.

District Project Manager: Conor Tyson

Engineer: Hansen, Allen & Luce, Inc.	Original engineering contract amount:	\$17,600
	Design Status: 100%	
	Construction Management Status: 28%	
<u>Additional services authorized since last report:</u>		
• Additional Construction Management.		\$4,400
Current contract amount:		\$22,000

Contractor: Rhino Pumps, LLC	Original construction contract amount:	\$139,001
	Construction Status: 28%	
	Substantial Completion Date: 9/28/2023	
<u>Change orders approved since last report:</u>		
• n/a		
Current construction contract amount:		\$163,216
Total change orders as a percentage of original contract:		17%

<u>Other Approvals since last report</u>	<u>Vendor</u>	<u>Amount</u>
• n/a		

Current Status: The third well video was performed and provided a better view of the well. No issues with the well were discovered. The contractor is now swabbing the well for further development and to evaluate the screen for any defects.



Performing the well video

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
 CAPITAL PROJECTS REPORT  
 September 19, 2023 - October 16, 2023

**Project Name and Number: Southwest Groundwater Well Improvements, #4213**

Project Description: The Southwest Groundwater Deep Well #7 was constructed to extract sulfate contaminated water as part of the aquifer remediation project. This well has highly corrosive water, which has created problems with the well equipment. This project will perform repairs similar to the recent repairs at Deep Well #6 including an improved lubrication system, column pipe and marine bearings to provide longer life to the equipment. The project also includes well re-development to restore well capacity.

District Project Manager: David McLean

Engineer: CRS Engineers	Original engineering contract amount:	\$30,900
	Design Status: 100%	
	Construction Management Status: 95%	
<u>Additional services authorized since last report:</u>		
• n/a		
Current contract amount:		\$30,900

Contractor: Nickerson Company	Original construction contract amount:	\$393,609
	Construction Status: 95%	
	Substantial Completion Date: 11/09/2023	
<u>Change orders approved since last report:</u>		
• n/a		
Current construction contract amount:		\$515,731
Total change orders as a percentage of original contract:		31%

<u>Other Approvals since last report</u>	<u>Vendor</u>	<u>Amount</u>
• n/a		

Current Status: Final commissioning of DW7 is awaiting delivery and installation of a new pressure transmitter.
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JORDAN VALLEY WATER CONSERVANCY DISTRICT  
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 September 19, 2023 - October 16, 2023

**Project Name and Number: Etienne Way and Murray Holladay Road Well Equipping, #4286**

Project Description: Equip two high quality groundwater wells located at 2776 East Etienne Way and 2129 East Murray Holladay Road. These wells will provide valuable supply and redundancy for future demands.

District Project Manager: Travis Christensen

Engineer: Bowen, Collins & Associates, Inc.	Original engineering contract amount:	\$992,889
	Design Status: 29%	
	Construction Management Status: 0%	
<u>Additional services authorized since last report:</u>		
• n/a		
Current contract amount:		\$992,889

Contractor:	Original construction contract amount:	
	Construction Status: 0%	
	Substantial Completion Date: n/a	
<u>Change orders approved since last report:</u>		
• n/a		
Current construction contract amount:		\$0
Total change orders as a percentage of original contract:		

<u>Other Approvals since last report</u>	<u>Vendor</u>	<u>Amount</u>
• n/a		

Current Status: The Consultant is preparing the 30% design report for the project. JWCD staff will meet with City of Holladay to discuss the plans for the site and to begin the conditional use permit process.

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
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 September 19, 2023 - October 16, 2023

**Project Name and Number: Install Pump at Old Bingham Pump Station, #4275**

Project Description: The Old Bingham Pump Station provides pressure Zone D service to the growing areas of South Jordan, West Jordan, and Herriman. This project will provide an additional pump to support the growing demands. The project includes the installation of a new pump, motor, electrical equipment, and a maintenance platform at this pump station.

District Project Manager: Conor Tyson

Engineer: JWCD Staff	Original engineering contract amount:	n/a
	Design Status: 100%	
	Construction Management Status: 95%	
<u>Additional services authorized since last report:</u>		
• n/a		
Current contract amount:		\$0

Contractor: Nelson Brothers Construction	Original construction contract amount:	\$361,530
	Construction Status: 95%	
	Substantial Completion Date: 10/06/2023	
<u>Change orders approved since last report:</u>		
• n/a		
Current construction contract amount:		\$364,495
Total change orders as a percentage of original contract:		1%

<u>Other Approvals since last report</u>	<u>Vendor</u>	<u>Amount</u>
• n/a		

Current Status: Mechanical and electrical installation is complete. Piping has been installed and coated. Contractor is working on final items to get pump ready for start-up.



The new reduced voltage soft start



The new pump, motor, and piping installed and coated

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
**CAPITAL PROJECTS REPORT**  
 September 19, 2023 - October 16, 2023

**Project Name and Number: JWTP Sedimentation Basins 1-2 Seismic and Capacity Upgrades, #4255**

Project Description: The original basins at JWTP (Basins 1-2) were designed and constructed in the early 1970's and have significant seismic vulnerabilities. This project includes demolishing and reconstructing these basins to meet current resiliency goals. Simultaneously, new plate settler technology will be installed increasing per-basin capacity from 23 MGD to 67 MGD to support increasing the JWTP capacity from 180 MGD to 255 MGD. Design of this project will require approximately 12-18 months. An application for a FEMA grant to support the project in mitigating multiple hazards has been submitted.

District Project Manager: David McLean

Engineer: Hazen and Sawyer	Original engineering contract amount:	\$3,793,948
	Design Status: 85%	
	Construction Management Status: 0%	
<u>Additional services authorized since last report:</u>		
• Engineering Services Amendment.		\$189,278
Current contract amount:		\$4,029,046

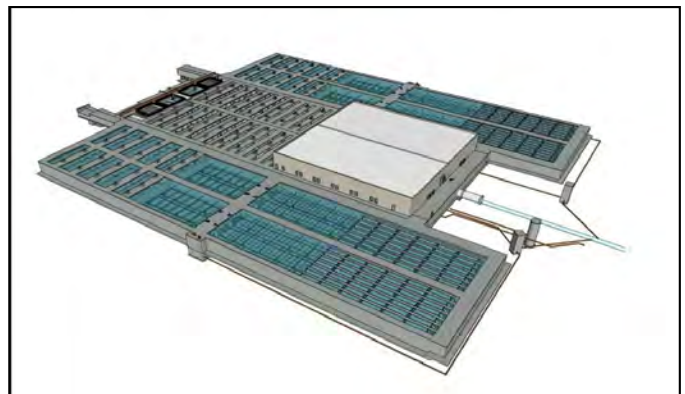
Contractor: n/a	Original construction contract amount:	\$0
	Construction Status: 0%	
	Substantial Completion Date: n/a	
<u>Change orders approved since last report:</u>		
• n/a		
Current construction contract amount:		\$0
Total change orders as a percentage of original contract:		

<u>Other Approvals since last report</u>	<u>Vendor</u>	<u>Amount</u>
• n/a		

Current Status: The consultant is working on 90% design drawings including the new pump station drawings. The District is reapplying for the FEMA Building Resilient Infrastructure and Communities (BRIC) grant.



30 year old motor control center scheduled for replacement with this project



Engineers rendering of proposed sedimentation building

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
**CAPITAL PROJECTS REPORT**  
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**Project Name and Number: JWTP High-rise Boilers Replacement Project, #4279**

Project Description: The boilers at Jordan Valley Water Treatment Plant are experiencing frequent failures and require replacement. The existing boilers were installed in 2001 and have a useful life of 15-18 years. This project will provide the supply and installation of two new boilers and associated equipment.

District Project Manager: Marcelo Anglade

Engineer: Heath Engineering	Original engineering contract amount:	\$5,000
	Design Status: 100%	
	Construction Management Status: 96%	
<u>Additional services authorized since last report:</u>		
• n/a		
Current contract amount:		\$19,000

Equipment Supplier: J. Wilcox Sales Co.	Original equipment supply contract amount:	\$196,881
	Equipment Supply Status: 100%	
	Substantial Completion Date: 11/30/2022	
<u>Change orders approved since last report:</u>		
• n/a		
Current equipment supply contract amount:		\$196,881
Total change orders as a percentage of original contract:		0%

Contractor: K.O.H. Mechanical Contractors, Inc.	Original construction contract amount:	\$608,000
	Construction Status: 96%	
	Substantial Completion Date: 11/30/2023	
<u>Change orders approved since last report:</u>		
• n/a		
Current construction contract amount:		\$623,629
Total change orders as a percentage of original contract:		3%

<u>Other Approvals since last report</u>	<u>Vendor</u>	<u>Amount</u>
• n/a		

Current Status: The new boilers and appurtenances have been installed. Contractor is working on the controls, installing the new exhaust flue, and rerouting the air intake.

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
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 September 19, 2023 - October 16, 2023

**Project Name and Number: 7600 South 700 East and 7800 South 1000 East Well Equipping, #4280**

Project Description: Equip two high quality groundwater wells located at 7600 South 700 East and 7800 South 1000 East. These wells will provide valuable peak day capacity and supply reliability for future demands. JVVCD received a USBR WaterSmart Drought Resiliency Project grant for this project which will reimburse approximately 50% of the total costs for this project. This project was selected to receive up to \$3,200,000 in federal funding, which is being administered by the Bureau of Reclamation.

District Project Manager: Kevin Rubow

Engineer: Hansen, Allen & Luce, Inc.	Original engineering contract amount:	\$579,351
	Design Status: 85%	
	Construction Management Status: 0%	
<u>Additional services authorized since last report:</u>		
• n/a		
Current contract amount:		\$800,679

Contractor: n/a	Original construction contract amount:	\$0
	Construction Status: 0%	
	Substantial Completion Date: n/a	
<u>Change orders approved since last report:</u>		
• n/a		
Current construction contract amount:		\$0
Total change orders as a percentage of original contract:		

<u>Other Approvals since last report</u>	<u>Vendor</u>	<u>Amount</u>
• n/a		

Current Status: JVVCD staff received minor comments on the site plan and landscape drawings from Sandy City. The comments have been addressed and resubmitted to the City for their approval. The consultant is working towards the 90% design submittal.

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
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 September 19, 2023 - October 16, 2023

**Project Name and Number: 11800 South Zone C Reservoir, #4276**

Project Description: Construct two 5 million gallon concrete reservoirs at 7185 West 11800 South. The new reservoir will provide additional storage for the growing demands within pressure Zone C serving Herriman, Riverton, South Jordan, and West Jordan.

District Project Manager: Kevin Rubow

Engineer: Jacobs	Original engineering contract amount: <span style="float: right;">\$1,597,529</span>  Design Status: 75% Construction Management Status: 0%
<u>Additional services authorized since last report:</u> <ul style="list-style-type: none"> <li>• n/a</li> </ul>	
Current contract amount: <span style="float: right;">\$1,597,529</span>	

Contractor: n/a	Original construction contract amount: <span style="float: right;">\$0</span>  Construction Status: 0% Substantial Completion Date: n/a
<u>Change orders approved since last report:</u> <ul style="list-style-type: none"> <li>• n/a</li> </ul>	
Current construction contract amount: <span style="float: right;">\$0</span>	
Total change orders as a percentage of original contract:	

<u>Other Approvals since last report</u>	<u>Vendor</u>	<u>Amount</u>
<ul style="list-style-type: none"> <li>• n/a</li> </ul>		

Current Status: JVVCD staff provided waterwise landscaping recommendations which will be used to prepare documentation for the conditional use application to South Jordan City. The consultant is working towards 90% design.



JORDAN VALLEY WATER CONSERVANCY DISTRICT  
 CAPITAL PROJECTS REPORT  
 September 19, 2023 - October 16, 2023

**Project Name and Number: 3200 West 6200 South Steel Reservoirs Coating and Repairs, #4271**

Project Description: The 2-MG and 8-MG steel reservoirs at 3200 West 6200 South were constructed prior to 1960 and 1968 respectively and require regular re-coating to maintain their integrity. Inspections indicate that the existing coatings have performed well but are now in need of replacement. This project will replace the coating systems and make other minor modifications such as new access ladders and larger access ports.

District Project Manager: Marcelo Anglade

Engineer: Infinity Corrosion Group	Original engineering contract amount:	\$272,960
	Design Status: 100%	
	Construction Management Status: 30%	
<u>Additional services authorized since last report:</u>		
• n/a		
Current contract amount:		\$272,960

Contractor: Viking Industrial Painting, Inc.	Original construction contract amount:	\$1,896,925
	Construction Status: 30%	
	Substantial Completion Date: 6/1/2024	
<u>Change orders approved since last report:</u>		
• n/a		
Current construction contract amount:		\$1,896,925
Total change orders as a percentage of original contract:		0%

<u>Other Approvals since last report</u>	<u>Vendor</u>	<u>Amount</u>
• Environmental inspection, supervision, and monitoring.	Geosyntec	\$35,500

Current Status: Contractor is finalizing the exterior paint blasting of the 8-MG and 2-MG Reservoirs at 6200 South 3200 West. Primer has also been applied to most of the surface of both reservoirs.

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
 CAPITAL PROJECTS REPORT  
 September 19, 2023 - October 16, 2023

**Project Name and Number: Distribution Pipeline Replacement 2023, #4270**

Project Description: The JVVCD retail distribution system contains multiple areas with cast iron pipelines installed in the 1950's and 1960's. JVVCD staff has identified approximately 19,000 linear feet of pipeline located in Murray and Millcreek which is experiencing frequent age-related failures. This project will replace these pipelines with new 8-inch C900 PVC pipelines along with new valves, hydrants, meter setters, and meter boxes. This work will include restoration of the existing roadways disturbed by the project.

District Project Manager: Conor Tyson

Utility Locating: Project Engineering Consultants	Original engineering contract amount:	\$128,656
	Utility Locating: 100%	
<u>Additional services authorized since last report:</u>		
• n/a		
Current contract amount:		\$128,656

Engineer: JVVCD Staff	Original engineering contract amount:	n/a
	Design Status: 100%	
	Construction Management Status: 39%	
<u>Additional services authorized since last report:</u>		
• n/a		
Current contract amount:		

Contractor: Rolfe Construction, Inc.	Original construction contract amount:	\$1,899,800
	Construction Status: 39%	
	Substantial Completion Date: 5/11/2024	
<u>Change orders approved since last report:</u>		
• n/a		
Current construction contract amount:		\$1,899,800
Total change orders as a percentage of original contract:		0%

<u>Other Approvals since last report</u>	<u>Vendor</u>	<u>Amount</u>
• n/a		

Current Status: Project is on hold until brass parts arrive for contractor to complete work. Parts not expected before November.
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JORDAN VALLEY WATER CONSERVANCY DISTRICT  
 CAPITAL PROJECTS REPORT  
 September 19, 2023 - October 16, 2023

**Project Name and Number: SERWTP Boilers and Controls Upgrades, #4226**

Project Description: The Southeast Regional Water Treatment Plant (SERWTP) boilers and HVAC control system are experiencing age related failures and parts are becoming difficult to replace. This project will replace the boilers, associated ducting, and other appurtenances. The HVAC control system will also be upgraded and be integrated into the JVVCD HVAC control system.

District Project Manager: Marcelo Anglade

Engineer: Heath Engineering	Original engineering contract amount:	\$25,350
	Design Status: 100%	
	Construction Management Status: 99%	
<u>Additional services authorized since last report:</u>		
• n/a		
Current contract amount:		\$25,350

Contractor: K.O.H. Controls, Inc.	Original construction contract amount:	\$206,000
	Construction Status: 99%	
	Substantial Completion Date: 11/15/2022	
<u>Change orders approved since last report:</u>		
• n/a		
Current construction contract amount:		\$220,612
Total change orders as a percentage of original contract:		7%

<u>Other Approvals since last report</u>	<u>Vendor</u>	<u>Amount</u>
• n/a		

Current Status: The contractor is resolving controls communication between the treatment plant and headquarters. Contractor has made all modifications to the flue and is in the process of obtaining the City's approval. The contractor is preparing the closing documents.

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
 CAPITAL PROJECTS REPORT  
 September 19, 2023 - October 16, 2023

**Project Name and Number: 2022 Distribution Pipeline Replacements – Redmaple Area, #4225**

Project Description: The pipelines in the Redmaple Road area in Millcreek City are cast iron or asbestos cement pipelines constructed in the 1950's and 1960's. These pipelines have been experiencing high levels of waterline breaks and require replacement. This project will replace these pipelines with new 8-inch C900 PVC pipelines along with new valves, hydrants, meter setters, and meter boxes. This work will include restoration of the existing roadways disturbed by the project.

District Project Manager: Conor Tyson

Engineer: JWCD Staff	Original engineering contract amount:	n/a
	Design Status: 100% Construction Management Status: 99%	
<u>Additional services authorized since last report:</u>		
<ul style="list-style-type: none"> <li>• n/a</li> </ul>		
Current contract amount:		\$0

Contractor: Noland & Sons Construction Co.	Original construction contract amount:	\$1,970,932
	Construction Status: 99% Substantial Completion Date: 10/13/2023	
<u>Change orders approved since last report:</u>		
<ul style="list-style-type: none"> <li>• n/a</li> </ul>		
Current construction contract amount:		\$2,029,469
Total change orders as a percentage of original contract:		3%

<u>Other Approvals since last report</u>	<u>Vendor</u>	<u>Amount</u>
<ul style="list-style-type: none"> <li>• n/a</li> </ul>		

Current Status: Project is substantially complete. Contractor is working on punch list for final completion.



Concrete collars poured around two mainline valves in street



New fire hydrant pad with valve and restored landscape

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
 CAPITAL PROJECTS REPORT  
 September 19, 2023 - October 16, 2023

**Project Name and Number: Four Well Redevelopment and Test Pumping Project, #4242**

Project Description: Design and construction management for the well redevelopment and test pumping at the 8300 South Etienne Way well, 2129 East Murray Holladay Road well, 987 East 7800 South well, and 7618 South 700 East well.

District Project Manager: Kevin Rubow

Engineer: Bowen, Collins & Associates, Inc.	Original engineering contract amount:	\$194,494
	Design Status: 100%	
	Construction Management Status: 70%	
<u>Additional services authorized since last report:</u>		
• n/a		
Current contract amount:		\$194,494

Contractor: Widdison Turbine Service	Original construction contract amount:	\$1,625,140
	Construction Status: 70%	
	Substantial Completion Date: 1/22/2024	
<u>Change orders approved since last report:</u>		
• n/a		
Current construction contract amount:		\$1,721,140
Total change orders as a percentage of original contract:		6%

<u>Other Approvals since last report</u>	<u>Vendor</u>	<u>Amount</u>
• n/a		

Current Status: The contractor completed mechanical & chemical development at the Etienne Way well. They are removing the development equipment in preparation to mobilize the test pump equipment to the site. The data collected from the test pumping will be used to evaluate the capacity of the well and to size the permanent pumping equipment. The work at the 7618 South 700 East and 987 East 7800 South sites are complete.

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
 CAPITAL PROJECTS REPORT  
 September 19, 2023 - October 16, 2023

**Project Name and Number: 5200 West 6200 South Reservoir, #4231**

Project Description: Design and construction of new reservoir at the 5200 West 6200 South Reservoir Site. The site currently includes a 2 million gallon reservoir to support demands in this pressure zone. An additional 4-6 million gallon reservoir is needed to provide redundancy to the existing reservoir and to support growing demands in this pressure zone. The reservoir provides service to the Zone B North pressure zone serving GHID, KID, TBID, MID, Hexcel, and West Jordan.

District Project Manager: Travis Christensen

Engineer: Bowen, Collins & Associates, Inc.	Original engineering contract amount:	\$940,526
	Design Status: 100%	
	Construction Management Status: 10%	
<u>Additional services authorized since last report:</u>		
• n/a		
Current contract amount:		\$940,526

Contractor: Ralph L. Wadsworth Construction	Original construction contract amount:	\$15,522,920
	Construction Status: 10%	
	Substantial Completion Date: 5/1/2025	
<u>Change orders approved since last report:</u>		
• n/a		
Current construction contract amount:		\$15,522,920
Total change orders as a percentage of original contract:		0%

<u>Other Approvals since last report</u>	<u>Vendor</u>	<u>Amount</u>
• Material testing services.	Terracon	\$74,880

Current Status: The contractor has begun excavation of the concrete foundation for the west side of the reservoir. The first concrete pour is scheduled for the beginning of November.



Subgrade preparation for the west side reservoir foundation

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
**CAPITAL PROJECTS REPORT**  
 September 19, 2023 - October 16, 2023

**Project Name and Number: JWTP Sedimentation Basins 3-6 Equipment Replacement, #4138/4277**

Project Description: This project includes the replacement of chain and flight sludge collection equipment and supply and installation of plate settler sedimentation equipment for JWTP Basins 3-6. Also included are temporary repairs to the circular sludge collection mechanisms in Basins 1-2. The new equipment is designed to function during the construction of major improvements to Basins 1-2 as well as permanently after the expansion.

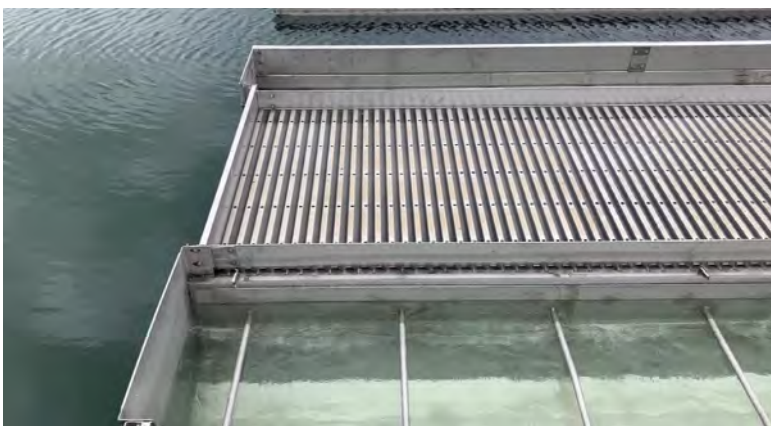
District Project Manager: David McLean

Engineer: Brown and Caldwell	Original engineering contract amount:	\$267,164
	Design Status: 100%	
	Construction Management Status: 99%	
<u>Additional services authorized since last report:</u>		
• Additional construction management services.		\$65,818
Current contract amount:		\$550,239

Contractor: VanCon, Inc.	Original construction contract amount:	\$20,700,000
	Construction Status: 99%	
	Substantial Completion Date: 6/20/2024	
<u>Change orders approved since last report:</u>		
• n/a		
Current construction contract amount:		\$20,784,663
Total change orders as a percentage of original contract:		0.4%

<u>Other Approvals since last report</u>	<u>Vendor</u>	<u>Amount</u>
• n/a		

Current Status: Project substantial completion was achieved a year ahead of schedule. Contractor is completing site grading and owner-requested change orders prior to applying for final completion.



High quality water being produced by the new plate settlers



Turbidimeter providing operators measurement of the water quality from the plate settlers

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
 CAPITAL PROJECTS REPORT  
 September 19, 2023 - October 16, 2023

**Project Name and Number: 3600 West 10200 South Booster Pump Station, #4199**

Project Description: A new booster pump station will be constructed to run in parallel with the existing booster pump station at 3600 West 10200 South. The existing pump station is currently running at capacity during peak demand periods. The new pump station will allow the District to meet existing and future demands of the Member Agencies served by the Pressure Zone B South and C South systems.

District Project Manager: Travis Christensen

Engineer: AE2S	Original engineering contract amount:	\$819,707
	Design Status: 100%	
	Construction Management Status: 87%	
<u>Additional services authorized since last report:</u>		
• n/a		
Current contract amount:		\$1,194,719

Contractor: Vancon, Inc.	Original construction contract amount:	\$10,437,000
	Construction Status: 87%	
	Substantial Completion Date: 4/1/2024	
<u>Change orders approved since last report:</u>		
• n/a		
Current construction contract amount:		\$10,578,143
Total change orders as a percentage of original contract:		1.4%

<u>Other Approvals since last report</u>	<u>Vendor</u>	<u>Amount</u>
• n/a		

Current Status: The contractor continues to work on the site landscaping. The contractor has completed the installation of the asphalt pavement, concrete sidewalks, and fencing. The contractor is also progressing with the installation of the remaining electrical equipment.



JORDAN VALLEY WATER CONSERVANCY DISTRICT  
CAPITAL PROJECTS REPORT  
 September 19, 2023 - October 16, 2023

**Project Name and Number: JA-1 and Southeast Collection Line Condition Assessment, #4150**

Project Description: This project provides a condition assessment of the 78-inch Jordan Aqueduct Reach 1 (JA-1) and 30-inch Southeast Collection Line (SECL). Each of these pipelines are in need of a comprehensive condition assessment to identify any issues that need to be addressed to maximize the reliable service life of these facilities. The condition assessment will provide data for the interior pipeline coating, pipe wall thickness, pipe joint condition, and any movement or deflection in the pipeline.

District Project Manager: Travis Christensen

Engineer: Bowen, Collins & Associates, Inc.	Original engineering contract amount:	\$1,045,245
	Study/Inspection Status: 98%	
	Construction Management Status: 100%	
<u>Additional services authorized since last report:</u>		
<ul style="list-style-type: none"> <li>• n/a</li> </ul>		
Current contract amount:		\$1,498,448

Contractor: VanCon, Inc.	Original construction contract amount:	\$435,000
	Construction Status: 100%	
	Substantial Completion Date: 3/31/2021	
<u>Change orders approved since last report:</u>		
<ul style="list-style-type: none"> <li>• n/a</li> </ul>		
Current construction contract amount:		\$435,000
Total change orders as a percentage of original contract:		0%

<u>Other Approvals since last report</u>	<u>Vendor</u>	<u>Amount</u>
<ul style="list-style-type: none"> <li>• n/a</li> </ul>		

Current Status: The consultant is preparing to deliver the final condition assessment of the Southeast Collection Line for JVWCD review and approval.

**JORDAN VALLEY WATER CONSERVANCY DISTRICT**  
**CAPITAL PROJECTS REPORT**  
 September 19, 2023 - October 16, 2023

**Project Name and Number: 3300 South Pipeline Replacement Project - Phase 1, #4190**

Project Description: Design and construction management of a new 12-inch pipeline along 3300 South from 1100 West to 500 West to replace an aging cast iron pipe installed in 1956 that has had multiple pipeline breaks.

District Project Manager: Kevin Rubow

Engineer: Bowen, Collins & Associates, Inc.	Original engineering contract amount:	\$388,773
	Design Status: 100%	
	Construction Management Status: 95%	
<u>Additional services authorized since last report:</u>		
• n/a		
Current contract amount:		\$547,984

Contractor: B.D. Bush Excavation	Original construction contract amount:	\$2,989,090
	Construction Status: 95%	
	Substantial Completion Date: 11/22/2023	
<u>Change orders approved since last report:</u>		
• n/a		
Current construction contract amount:		\$3,043,140
Total change orders as a percentage of original contract:		2%

<u>Other Approvals since last report</u>	<u>Vendor</u>	<u>Amount</u>
• n/a		

Current Status: The contractor finished the installation of the mainline piping for the project and asphalt restoration along 3300 South. The remaining items to complete the project are the fire line vault installation for the Salt Lake County Jail, connection to the 700 West pipeline, and minor landscape restoration along the alignment. This work is anticipated to be completed by mid-November.



Preparing to install 6-inch auxiliary valve for fire hydrant



Placing asphalt along 3300 South

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
 CAPITAL PROJECTS REPORT  
 September 19, 2023 - October 16, 2023

**Project Name and Number: 3300 South Pipeline Replacement Project - Phase 2, #4190**

Project Description: Design and construction management of a new 12-inch pipeline along 3300 South from 500 West to State Street to replace an aging cast iron pipe installed in 1956 that has had several pipeline breaks. The pipeline installation will include open-cut and trenchless installation methods to cross I-15 and railway corridors. The project was divided into multiple bid schedules and the project will be completed by two separate contractors. Replacement of this pipeline will provide valuable redundant capacity for the service area located west of I-15.

District Project Manager: Kevin Rubow

Engineer: Bowen, Collins & Associates, Inc.	Original engineering contract amount:	Incl. w/ Phase 1
	Design Status: 100%	
	Construction Management Status: 70%	
<u>Additional services authorized since last report:</u>		
• n/a		
Current contract amount:		Incl. w/ Phase 1

Schedule A Contractor: VanCon, Inc.	Original construction contract amount:	\$1,765,300
	Construction Status: 70%	
	Substantial Completion Date: 11/11/2023	
<u>Change orders approved since last report:</u>		
• n/a		
Current construction contract amount:		\$1,765,300
Total change orders as a percentage of original contract:		0%

Schedule B&C Contractor: Beck Construction	Original construction contract amount:	\$6,914,355
	Construction Status: 60%	
	Substantial Completion Date: 11/15/2023	
<u>Change orders approved since last report:</u>		
• n/a		
Current construction contract amount:		\$6,914,355
Total change orders as a percentage of original contract:		0%

<u>Other Approvals since last report</u>	<u>Vendor</u>	<u>Amount</u>
• n/a		

Current Status: The direction drill under the I-15 corridor and the mainline piping between 500 West to State Street has been completed. The new pipeline will be placed into service, pending the required bacteriological and pressure testing. Service laterals and fire line connections still need to be connected to the new pipeline between 300 West to State Street and surface restoration needs to be completed along the alignment. This work will be completed in the spring.

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
 CAPITAL PROJECTS REPORT  
 September 19, 2023 - October 16, 2023

**Project Name and Number: Zone D Chemical Feed Facility, #4204**

Project Description: Design and construction of a chemical injection facility at the 10200 South Zone D Reservoir. The facility will add fluoride and chlorine to the Bingham Canyon Water Treatment Plant effluent and boost the chlorine residual at the 10200 South Zone D Reservoir.

District Project Manager: Conor Tyson

Engineer: Hansen, Allen & Luce, Inc.	Original engineering contract amount:	\$198,872
	Design Status: 100%	
	Construction Management Status: 89%	
<u>Additional services authorized since last report:</u>		
• n/a		
Current contract amount:		\$510,322

Contractor: Corrio Construction, Inc.	Original construction contract amount:	\$1,645,588
	Construction Status: 89%	
	Substantial Completion Date: 9/30/2023	
<u>Change orders approved since last report:</u>		
• Additional Asphalt.		\$1,320
Current construction contract amount:		\$1,682,267
Total change orders as a percentage of original contract:		2%

<u>Other Approvals since last report</u>	<u>Vendor</u>	<u>Amount</u>
• PLC parts and RTU touch screen.	Royal Wholesale Electric	\$9,918

Current Status: The project is mostly complete. The consultant is making modifications to the chemical feed systems based on District Staff recommendations.



Chemical tank overflow piping and containment



Building with painted doors

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
 CAPITAL PROJECTS REPORT  
 September 19, 2023 - October 16, 2023

**Project Name and Number: Jordan Basin Water Reclamation Facility Wastewater Reuse Study, #3961**

Project Description: Consulting services to perform a feasibility study of wastewater reuse. The District is heading up a stakeholder group consisting of local municipalities, sewer, and water districts to identify potential reuse projects.

District Project Manager: Jacob Young

Engineer: Bowen, Collins & Associates, Inc.	Original engineering contract amount:	\$27,796
	Design Status: 90%	
<u>Additional services authorized since last report:</u>		
• n/a		
Current contract amount:		\$27,796

<u>Other Approvals since last report</u>	<u>Vendor</u>	<u>Amount</u>
• n/a		

Current Status: Draper Irrigation Company and Bluffdale City will be the only two entities that will use the recycled wastewater with the initial phase of the project. The facilities will be designed to accommodate future expansion if other entities later decide to participate in the project. CUWCD is performing the NEPA compliance work. Draper Irrigation Company received a \$5,000,000 grant from USBR Watersmart program for this project

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
**CAPITAL PROJECTS REPORT**  
 September 19, 2023 - October 16, 2023

**Normal Capital Improvements**  
 Various small miscellaneous improvements.

<u>Fund Approvals since last report</u>	<u>Vendor</u>	<u>Amount</u>
<b>Project Name and Number:</b> • Repair motor imbalance.	<b>Monitor Well Repair, #4310, Kevin Rubow</b> Widdison Well Service	\$6,500
<b>Project Name and Number:</b> • Repair sidewalk, driveway, and gutter. • Add black vinyl coated poles.	<b>Concrete Replacement at Dry Creek, #4328, Todd Peterson</b> Salt Lake Concrete	\$24,500 \$1,995
<b>Project Name and Number:</b> • Replace fence and gates.	<b>Fence Replacement at Dry Creek, #4327, Todd Peterson</b> United Fence	\$10,847
<b>Project Name and Number:</b> • Design and construction management services.	<b>465 East 3900 South Water Trailers Storage, #4330, Marcelo Anglade</b> CRSA	\$74,790
<b>Project Name and Number:</b> • Cost increase on 4000 kVA transformer.	<b>11800 S Pump station upgrades, #4209, Kevin Rubow</b> Corrio	\$4,000
<b>Total Capital Project Approvals (Active Projects)</b>		<b>\$79,296,847</b>

# **REPORT ON MEDIA COVERAGE**

JORDAN VALLEY WATER CONSERVANCY DISTRICT

**REPORT ON MEDIA COVERAGE TONE**

November 8, 2023

This report includes mass media articles that are directly related to JVVCD's mission, projects, initiatives, and programs and are published during the defined reporting period.

Reporting Period: October 1, 2023 – October 31, 2023

1. **Positive** - Smith, H. (October 4, 2023) *Be Water Wise: Happy Water New Year*. ABC4 News. <https://www.abc4.com/news/be-water-wise/be-water-wise-happy-water-new-year/>

News article about the end of the 'water year'. The article talks about the elevations of various reservoirs throughout the state and the impact last years' precipitation had on water supply. The article quotes Wade Tuft and Cynthia Bee (JVVCD Staff).

2. **Neutral** - Condos, D. (October 4, 2023) *State leaders don't want Utah's wet year to slow momentum for water conservation*. KUER. <https://www.kuer.org/health-science-environment/2023-10-04/state-leaders-dont-want-utahs-wet-year-to-slow-momentum-for-water-conservation>

News article about the One Utah Summit. The article summarized a panel discussion on the importance of water conservation and mentioned the state-wide landscape incentive programs. The article included the amount of lawn removed (in square feet) and number of applications for each water district.

3. **Neutral** - Olmedo, N. (October 12, 2023) *Water Documenters: Read meeting notes from the Jordan Valley Water Conservancy District*. Salt Lake Tribune. <https://www.sltrib.com/news/environment/2023/10/12/water-documenters-read-meeting/>

Article summarizing JVVCD's September board meeting. The article named each board member and listed the names of each speaker. Several agenda items were discussed in detail, including a grant with DWRe, a FEMA BRIC grant application, and the changes to take or pay contracts.

4. **Positive** - Smith, H. (October 13, 2023) *Be Water Wise: Draper opens new Community Water Conservation Garden*. ABC4 News. <https://www.abc4.com/news/be-water-wise/draper-opens-new-community-water-conservation-garden/>

News article about Draper City's new Community Water Conservation Garden. The garden was funded in part by a grant from JVVCD and presents Localscapes concepts.



5. **Positive** - Smith, H. (October 19, 2023) *Be Water Wise: Don't delay with Locascapes - but you don't have to build a rock arch in your front yard, either.* ABC4 News.  
<https://www.abc4.com/news/be-water-wise/be-water-wise-dont-delay-with-localscapes-but-you-dont-have-to-build-a-rock-arch-in-your-front-yard-either/>

News article showcasing past Locascapes Rewards and Landscape Incentive Program participants' projects within JVVCD's service area. The article quotes Cynthia Bee (JVVCD Staff) discussing the benefits of the Locascapes method. Cynthia also urged residents to apply for programs early next year to beat the spring rush.

6. **Neutral** - Larsen, L. (October 25, 2023) *After a record water year, did Utah's conservation habits stick?* Salt Lake Tribune.  
<https://www.sltrib.com/news/environment/2023/10/25/after-record-water-year-did-utahns/>

News article about the water use across the Wasatch Front during summer 2023. In the article, data from SLCDPU and WBWCD is used to show that overall water use is down from 2019 and 2020. Alan Packard (JVVCD Staff) is quoted from the September board meeting praising the public's watering habits.

A version of this article also appeared on KSL and the Standard-Examiner.

# **MEDIA COVERAGE**

GUEST OPINION



RICK BOWMER, ASSOCIATED PRESS

In this on May 4, 2021, file photo, the Great Salt Lake recedes from Antelope Island, near Salt Lake City.

# Collective action required to save Great Salt Lake

**T**he Great Salt Lake's water level is decreasing almost every year. Many reasons are causing the decline of the Great Salt Lake's water level, including droughts, water diversions and climate change. In fact, the shrinking of the Great Salt Lake is causing some environmental issues.

YAN-HO NG

We have to deal with them seriously. To save the Great Salt Lake, we need to take action.

The daily consumption of water by farms and households is the main factor causing the shrinkage of the Great Salt Lake. People have been diverting water for housing, agricultural, industrial and municipal use in the Wasatch Valley for more than a century. Our growing population pushes the need for more water usage. The prosperity of the Wasatch Front fuels growing water use as well. As a point of fact, the population of the Salt Lake City metro area grew from 700,000 in 1982 to 1.2 million in 2022.

The lake receives the unused water from three different rivers. Our water usage keeps increasing every year. Even today, we don't leave enough water to go into the Great Salt Lake and lead to its shrinking.

The lake is a crisis that demands action. My first thoughts about what we can do to save our Great Salt Lake are these.

First, we need to make savings in water usage. We can change our irrigation system for the lawn from sprinkler to drip irrigation at the roots. We may change the lawn to a rocky garden with a few plants. According to the Environmental Protection Agency and the Utah Division of Water Resources, approximately 60% of residential water use is for lawns and outdoor landscapes. Most residential water is used for outdoor appearances. Reducing water usage allows more water to go into the river. As more water

goes to the river, more water will flow into the Great Salt Lake. If we make wholesale changes to our behavior and allow large amounts of water to flow into the lake, that water will decrease the lake's salinity. Decreasing the salinity helps different kinds of organisms to grow and reproduce in and around the Great Salt Lake, such as brine flies and brine shrimp. Brine flies are a key source of food for migrating birds. As brine flies and brine shrimp populations decrease due to the shrinkage of the Great Salt Lake, the lake's support for migrating birds will be degraded.

Second, the Great Salt Lake faces further challenges due to climate change. Warming affects our weather, with more precipitation falling in the form of rain instead of snow. Snow is always better for the Great Salt Lake because the snow can store the water on the mountain, to be released slowly. Water then keeps flowing in the river and from there into the Great Salt Lake.

Third, education is one of the most important steps for saving the Great Salt Lake. Government should set up a program to teach people about the consequences if the Great Salt Lake keeps shrinking. People need to know that toxic chemicals, including arsenic, lead and mercury, are trapped in the lake bed. As more of the lake bed becomes exposed and dries, those chemicals are carried into the air by the wind. Toxic dust storms could lower life expectancies and increase chances of getting cancer in the most populous parts of Utah.

Saving the Great Salt Lake is a complex and long-term project that requires collective actions from the government, private organizations, communities and individuals. It is important to recognize the interconnectedness of water resources, climate and ecosystems in addressing this issue.

Yan-ho Ng is a student at Utah Valley University in Orem.

# Utah seeks windfall of snowfall from cloud seeding

Legislature earmarked \$12M for the practice this year, marking a huge rise.

By LEIA LARSEN  
*The Salt Lake Tribune*

Lawmakers opened the financial floodgates this year, pouring an unprecedented amount of money into Utah's decades-old cloud seeding program.

The Division of Water Resources has used the windfall to install dozens more seeding sites in mountain ranges across the state, some of which can get deployed remotely via a cellular network. It's also adding two aerial cloud seeding missions, funding plane deployments in both southern and northern Utah. Efforts

were previously conducted with on-the-ground stations that had to be switched on by hand.

"It's pretty exciting," said Candice Hasenyager, the division director. "This offers a lot of opportunity to seed in areas where we could have never seeded before."

Each cloud-seeding generator and flight injects silver iodide into clouds, encouraging them to form ice crystals, which turn into snowflakes, which means more water falling on parched Utah's mountain peaks.

All said, the Legislature earmarked \$12 million in one-time funding for cloud seeding in 2023, along with \$5 million in ongoing funding for the program moving forward. That's a big boost from the \$200,000 to \$350,000 lawmakers had previously allocated

for the program in recent years.

Joel Ferry, the director of the Department of Natural Resources, pushed for more cloud seeding funds during the last legislative session. Although the new appropriations may seem substantial, he said the program produces water at a cost of between \$2 and \$15 per acre-foot. An acre-foot is around enough water to supply two households for a year.

"When you compare that to anything else that we do," Ferry told a group of scientists and stakeholders at the state's first-ever Cloud Seeding Symposium on Thursday, "it is hands-down a fraction of the cost of any other water [conservation] program," like turf buyback and secondary water metering.

Utah's resource managers plan

*Please see* CLOUD SEEDING, A4



FRANCISCO KJOLSETH | *The Salt Lake Tribune*

Fresh snow blankets the Salt Lake Valley as the sun sets on Mount Olympus on Jan. 18.

## Cloud seeding

Continued from A1

to use the funds to add 60 manual generators to its existing network of about 170 sites. It will also install 120 remote generators they can fire up from afar.

The state contracts its cloud seeding services to Sandy-based North American Weather Consultants, or NAWC, which has been in the business since the 1980s.

"We've reached barriers where we can't seed it in areas where we'd like to be seeding," said Garrett Cammans, president of NAWC, "particularly high-elevation locations, because they rely on a manual operator to go out at night and turn on the equipment."

It's becoming harder and harder to find people willing to hit those switches, even in lower elevation locations, especially in the cold and stormy conditions that produce snow. With state funds to install remote-operated sites, "this lets us operate where the weather is most active, not where people reside," Cammans said.

### Does cloud seeding work?

For the silver iodide solution to do its job and drop water Utahns can use, certain factors have to be right.

Generators placed in areas prone to inversions, like the Uinta Basin, don't do much good because the stagnant air can't move the silver into storm clouds. They also need to encourage storms at high elevations, where snow remains snow throughout winter, and melts when people start needing water in spring. And the targeted clouds need to hold enough water to make the effort worthwhile.

Still, "pretty much most mountain ranges in the state are targeted for cloud seeding efforts" between aerial flights and ground generators, said Todd Flanagan, a meteorologist with NAWC.

That's making it increasingly difficult to quantify how effective the state's cloud seeding deployment has been, since NAWC is running out of areas with no cloud seeding to compare with as controls.

In places where Utah has deployed cloud seeding for 20 years or more, Flanagan said, they've seen an average of 4% to 13% more water falling as snow. That's similar to what other states have reported about their cloud seeding programs -- officials with the Idaho Department of Water Resources and Nevada's Desert Research Institute report increases of about 10%.

Ferry with DNR and Hasenyager with Utah's Division of Water Resources acknowledged the importance of using a third party to validate the impact of their cloud seeding



PHOTOS COURTESY OF UTAH DIVISION OF WATER RESOURCES

Attendees of the Utah Cloud Seeding Symposium tour a remote snow generator system at Snowbird on Sept. 28.



A plane carrying silver iodide injects the material into storm clouds, which helps generate ice crystals and increased snowfall.

think of storms and atmospheric conditions like a river in the sky, which collects and deposits water all along its course.

"It's not a single cup that dumps out, that your neighbor took ... and then by the time it gets down to you, that cup is empty," Golden said. "That system is continuing to pick up water as it goes along, just like a surface-flowing river."

In fact, since 2007, Lower Basin states on the Colorado River like California and Nevada have helped pay for and support cloud seeding programs in Upper Basin states. Contributions from those states amounted to more than \$80,000 in Utah during the 2020-2021 season.

"We're at the end of the pipe," Tom Ryan, a resource specialist with the Metropolitan Water District of Southern California, said at the symposium. "[We want to] get some folks to create additional snowfall with the hope that eventually it will cascade its way down to Southern California."

Other parties collaborating with and contributing to Utah's cloud seeding program include local water suppliers, like the Cache Water District, Weber Basin Water Conservancy District, Central Utah Water Conservancy District and Salt Lake Public Utilities.

"Weather modification is not just a science," Ferry said in a written statement. "It's a crucial tool for ensuring water sustainability in our arid region."

program, instead of relying on contractors' own reports that indicate their efforts are paying off.

"One thing that we're looking at doing," Ferry told attendees of the Cloud Seeding Symposium, "is utilizing some of the funding that we received to partner with research institutions [and] validate, how [well] does this work?"

Although the number of control sites are rapidly disappearing as cloud seeding expands across the West, scientists have developed models to show what happens to storms after seeding, and how much water they generate.

"It's really going to be the future of

evaluating these programs," said Sarah Tesendorf, a scientist with the National Center for Atmospheric Research, or NCAR.

### Does cloud seeding 'steal' snow that would fall in other places?

A concern raised by rural politicians at the symposium was whether adopting a cloud seeding program in one county would end up "stealing" water that would otherwise fall in another.

Kala Golden, who manages Idaho's cloud seeding program, said it's a common concern from stakeholders. She encourages them to

COVER STORY

# New poll reveals majority of Utahns remain concerned about Great Salt Lake



Water levels are pictured in the Great Salt Lake on July 20 near Antelope Island.

Jeffrey D. Alfred, Deseret News

By Amy Joi O'Donoghue  
Deseret News

It may have snowed and snowed and snowed some more last winter, but the record precipitation has done little to ease the concern a majority of Utah residents have over the Great Salt Lake's condition.

The lake plunged to its lowest recorded level in November 2022 and has since come up a little more than 5 feet in its southern arm. That replenishment of water will not last, however, with losses due to evaporation.

A Deseret News/Hinckley Institute of Politics poll shows that 68% of those surveyed remain very concerned or somewhat concerned over the Great Salt Lake, but do not necessarily agree on how to restore it. Another 30% said they are not very concerned or not concerned at all. Two percent answered "don't know."

The survey was conducted Sept. 24-29, polled 802 registered voters and has a margin of error of plus or minus 3.23 percentage points.

## The troubled saline lakes

The Great Salt Lake is among many saltwater lakes around the world that are in decline. It is the largest in the Western Hemisphere and is estimated to deliver \$1.9 billion each year to Utah's economy.

Its challenges due to diversion and drought have dropped the lake by at least 11 feet with more than 50% of its labeled exposed. The Utah Division of Water Resources notes the lake has undergone drastic changes since 1875, when it was first monitored by the U.S. Geological Survey.

The decline has not only challenged wildlife and aquatic species, but poses a risk to human health with wind-whipped dust storms contributing to air quality challenges and earlier seasonal snowmelt.

Utah's salty lake is not alone in its challenges, however. Iran's Lake Urmia is in trouble and a Chilean lagoon has dried up. Diversions from Owens Lake in California landed it on the map at one time for being the nation's largest source of PM10 pollution, or dust. It took years of work and \$2.5 billion to clean up that mess.

While advocates and groups like the Great Salt Lake Advisory Council have been invested in solutions for years, Utah's extreme drought galvanized state lawmakers and Gov. Spencer Cox into action, appropriating nearly a billion dollars over the last two years to boost water saving efforts, as well as making dramatic shifts in water policy. In November of last year, Cox issued a proclamation suspending any new water diversions in the Great Salt Lake watershed.

Still, some conservation groups filed a lawsuit against the state, alleging it had not done enough to protect it, demanding additional action. The September complaint asks that the Utah Department of Natural Resources review all upstream diversions impacting the Great Salt Lake.

With all the money that has been thrown at conservation and now with a pending lawsuit, the Deseret News poll asked what solutions the public has in mind for the lake.

Despite concern over the lake, 32% of people surveyed said no additional measures are needed to help, signaling perhaps public recognition of the steps Utah politicians have taken so far, or lake weariness.

The next largest response came in the form of limiting new development, including houses, businesses and industrial buildings, with 30% of the respondents settling on that measure to boost lake levels.

Breaking out that response by differing age groups, the largest percentage of people who favored those restrictions were in the 18-25 age range, landing at 43%. Support for that solution waned as the age of respondents increased. In the group of 57 and up, it had dropped to 25%.

Ari Bruening, president and chief executive officer of Envision Utah—a group promoting smart growth—said Utah faces tough choices with its booming economy and exploding population coupled with a housing shortage, and yet the desire to be good stewards of the environment at the same time.

"These are tough choices with real tradeoffs—and no easy solutions. It might sound tempting to limit development, but that's much harder in the real world with existing property rights and ever growing population. And, let's be clear, as long as Utah is a great place to live, it's going to keep growing. Limiting housing might sound helpful for lake levels, but it doesn't change the fact that Utah's population is growing and would only make our housing shortage worse, driving up housing prices."

Bruening said that other options contribute to solutions, such as water-wise landscaping and especially developing smaller lots.

## Other ways to save the lake

Fourteen percent of those surveyed opted for some "other" solution, while 15% favor buying water rights from farmers and 12% favor reducing secondary water allotments.

As in the question about limiting development, the largest support for buying farmers' water rights came from the younger crowd between 18 and 25, with 21% who favored that option. Support for that avenue had dwindled to just 8% for folks age 57 and up.

The poll comes as Utah heads into fall and what is hoped to be an active winter, helping to boost water levels not only for the Great Salt Lake but for its tributaries and drinking water supplies.

**“Limiting housing might sound helpful for lake levels, but it doesn't change the fact that Utah's population is growing.”**

— Ari Bruening, president and CEO of Envision Utah

## Great Salt Lake Collaborative

This article is published through the Great Salt Lake Collaborative, a solutions journalism initiative that partners news, education and media organizations to help inform people about the plight of the Great Salt Lake—and what can be done to make a difference before it is too late. Read all of our stories at [greatsaltlakeneeds.org](https://greatsaltlakeneeds.org).

## How concerned are you about the Great Salt Lake?



## What measures do you think should be taken to help restore the Great Salt Lake?



Deseret News/  
Hinckley Institute poll

NOTE: Numbers may not add up to 100% due to rounding.

SOURCE: Poll conducted by Dan Jones & Associates Sept. 24-29, 2023, of 802 registered Utah voters and has a margin of error of +/- 3.23%.

ENVIRONMENT

# Utah's clawing way out of an extreme water deficit. Will it last?

By Amy Joi O'Donoghue  
Deseret News

It was with some pleasure Gene Shawcroft, chairman of the Colorado River Authority of Utah, was able to point to a stop sign buried under nine feet of snow at a high mountain pass.

It was only discovered after a snow machine hit it, so a scraggly bit of vegetation was placed next to it to warn others of its presence.

As he detailed a presentation to members of the Federalism Commission Tuesday, he showed a slide depicting a vent pipe from a Forest Service outhouse barely poking out of the snow at Bald Mountain Pass in Duchesne County.

This, he told them, is what the Upper Colorado River Basin needed to desperately see last winter, and it did. The trick is if it will happen again this year.

"We're not still anywhere close to being out of the woods," said Shawcroft, who also serves as the general manager of the Central Utah Water Conservancy District.

In that extremely dry year from August 2021 to August 2022, system storage dropped to 34%, or the loss of nearly four million acre-feet of water in the Upper Colorado River Basin. To put that in perspective, an acre-foot is enough to cover a football field by a foot of water and is roughly enough to serve one water-wise household.

The situation at Glen Canyon Dam at Lake Powell was critical, hovering near an elevation of 3,490 feet which means dead pool and power generation from the dam no longer happens.

Hydroelectric power produced by the dam's eight generators helps meet the electrical needs of the West's rapidly growing population. With a total capacity of 1,320 megawatts, Glen Canyon produces around five billion kilowatt-hours of hydroelectric power annually which is distributed by the Western Area Power Administration to Wyoming, Utah, Colorado, New Mexico, Arizona, Nevada and Nebraska. In the immediate vicinity, without the dam, the lights in Page would go dark.

"Elevations are critical," Shawcroft said. "If the elevation gets below that there is no capacity to generate power. And there's the question of whether or not we can make deliveries downstream because the (equipment) is what allows it to push water through the pipe."

## Drastic measures

The U.S. Bureau of Reclamation, the Upper Colorado Basin states and, for that matter, the Lower Basin states, Shawcroft added, scrambled to bring resolution.

Through a series of complex water management steps, decisions were made to release water from upstream Flaming Gorge



Glen Canyon Dam holds back Lake Powell in Page, Ariz., on July 18, 2022.

Spenser Heaps, Deseret News

and Blue Mesa to keep the water flowing, delivering 1.6 million acre-feet of water to the ailing Lake Powell.

"If that would not have happened, we would have not been at power pool," he told members of the Federalism Commission. "That's how critical things were."

With that incredible winter, steps were taken to replenish Flaming Gorge so it can overcome a deficit of 436,000 acre-feet, he added.

Against the backdrop of the lingering drought, the bureau remains convinced the states do not have the tools or political will to meet sustainable operational guidelines for the Colorado River, which has been described as the "Workhorse of the West."

Whether a blessing or a curse, the river's allocations were decided in a compact forged more than 100 years ago. It was the first time that so many states had come to a tenuous agreement that was reached via complex negotiations over a river's resources and it

was later endorsed under federal law.

Now, states and the bureau are dealing with a new reality in a different century.

The bureau last year proposed severe cuts to the lower basin states that include Arizona and Nevada. And California — by far the river's largest consumer — may have been on the hook as well.

States came up with their own plans, however, taking even deeper cuts while the bureau continues to work on a temporary plan to keep the river flowing until permanent operational guidelines are slated in 2026.

The bureau, Shawcroft added, is still pursuing its course of action in which a draft of that plan will be released by the end of the month. After that, states have 45 days to weigh in.

What saved the entire basin this last summer is that bountiful snowpack.

Shawcroft said he checked the data the other day, and the reservoirs in the Upper Colorado River Basin were sitting at a combined storage of 82%.

"A year ago, it wasn't probably even at 50%."

## A winter of hope

When forecasters were looking at what might happen this last water season, they were looking at scenarios in the 65% of normal range for snowpack, Shawcroft said. In a best case scenario, it sat at about 120% of normal and "maximum" probable was 121%.

Mother Nature, however, delivered 142% of normal for the Upper Basin states.

That, Shawcroft said, is what they're hoping to see for this season, although being in the 180% of normal would be even better.

"That is what I would like to see," he said, adding it is tough to manage such a complex river system based on unpredictable forecasts, which means there are possibly more changes in store.

The U.S. Drought Monitor says 100% of the Colorado River Basin is expected to see a probability of above normal precipitation this month, so at least that is a start.

# Legislators, GSL Caucus eye measures to ensure restorative flows reach the lake

Co-chairs of the Utah Legislature's Great Salt Lake Caucus want to ensure "promises we've made are kept."

By **BEN WINSLOW**  
FOX 13

More legislation is coming to help save the Great Salt Lake before it triggers a significant ecological crisis for Utah.

The co-chairs of the bipartisan Great Salt Lake Caucus told FOX 13 News on Thursday they intend to pursue more bills and spending in the 2024 legislative session, with a focus on ensuring water that is conserved or allocated actually makes it into the lake.

"I'm not seeing large regulatory changes, large policy shifts," said Rep. Casey Snider, R-Paradise. "But I do know that we have to make the investments necessary to ensure the water we've acquired, the promises we've made are kept."

That has been a primary complaint of advocates for the lake and some lawmakers. While the Legislature has passed significant bills and spent more than \$1 billion on water conservation measures, there has yet to be a sizable amount of water getting into the Great Salt Lake. The lake itself rose 5 1/2 feet from its historic low last year thanks to a record-breaking snowpack, but it has started declining again.

The Great Salt Lake has been shrinking as a result of water diversion, drought and climate change. It has alarmed political leaders and the public alike as a dried up lake can result in toxic dust storms (arsenic is a naturally-occurring mineral in the lake), reduced snowpack, and significant impacts to public health, wildlife and Utah's economy.

In the upcoming legislative session, Rep. Doug Owens, D-Millcreek, said he intends to resurrect a failed bill that would ban outdoor watering during "shoulder season," typically October to May to help conserve water. He also wants to enlist



TRENT NELSON | The Salt Lake Tribune

A partly cloudy sky is reflected at sunset on Great Salt Lake in March 2022.

agriculture producers to help.

"We've got to have a program in place for when the lake is drying out again, if it gets bad again, we have a mechanism in place to lease late-season water from farmers so we can add that water to the lake," Rep. Owens, who co-chairs the Great Salt Lake Caucus, told FOX 13 News on Thursday.

But ensuring conserved water actually gets to the Great Salt Lake may require more costly infrastructure upgrades, said Rep. Snider.

"If I'm a farmer in Box Elder County and I have committed through lease to forfeit my fourth crop in exchange for monetary compensation, I need to know — and the person who has paid that money needs to be absolutely sure — that water is going to the Great Salt Lake and not to the next diversion," he said. "We don't have that certainty



*We've got to have a program in place for when the lake is drying out again, if it gets bad again, we have a mechanism in place to lease late-season water from farmers so we can add that water to the lake."*

STATE REP. DOUG OWENS, D-MILLCREEK

now in our water delivery systems."

Rep. Snider told FOX 13 News he intended to seek funding for infrastructure upgrades.

On Thursday, the Utah State Legislature's Water Development Commission heard a proposed bill from Rep. Owens to severely restrict "non-functional turf" from future government buildings. He is proposing to limit turf to only 20% and ban it entirely from parking strips and road medians. Rep. Owens said the

legislation was designed to "lead by example."

"We can have playgrounds, cemeteries, parks where people are using that grass," he said. "Where they're not using grass? Let's limit that. Let's use trees and shrubs to have cooling effect and not use water-intensive grass as much."

He faced some pushback from members of the commission who complained it was unfair to demand those measures statewide.

"To make the rest of the 28 counties abide by something that's impacting Salt Lake County isn't fair to the rest of us," said Sen. David Hinkins, R-Orangeville.

Rep. Carl Albrecht, R-Richfield, said he would prefer to see the legislation limited to large population counties or the Great Salt Lake Basin. Rep. Owens conceded to change the bill to gain support.

"I view this as mainly a water-saving measure to help the Great Salt Lake and also to have the government set an example," he said. "I did kind of want that statewide piece. But the feedback I got is they want to limit it to the Great Salt Lake Basin and I'm happy to make that change."

*Published through the Utah News Collaborative, a partnership of news organizations in Utah that aims to inform readers across the state.*



# With beavers missing from the landscape, humans do the dirty work

Scientists know the animals create landscapes better adapted to climate change. Here's what they're doing in ecosystems too degraded to support them.

By LEIA LARSEN  
*The Salt Lake Tribune*

**Scofield** » As Jordan Nielson tromped through recovering pastureland around Mud Creek, his boots occasionally got sucked into the soil, still saturated in the waning days of summer. It's exactly what he wanted to see.

The creek had become so degraded by a century of cattle grazing it made several deep cuts in the bank, sloughing off the land and dumping sediment into Scofield Reservoir. All those nutrient loads spurred algal blooms, making the reservoir dangerous for swimming, fishing and boating. Now, the creek has slowed. Water diffuses into nascent wetlands that clean it and build habitat for wildlife.

It's quite the transformation, and it only took a year to take shape using a simple technique — artificial beaver dams.

"It'll be awesome for birds, for food production, for the fish, for trapping sediment," said Nielson, Trout Unlimited Utah's water and habitat program director. "It's good at filtering runoff as it comes off of the fields and into the stream."

The wetlands also turn the creek's surrounding banks into a sponge, recharging groundwater so it slowly releases downstream throughout the season, flowing from Scofield to the Price River and, eventually, the Colorado River.

"We get water storage underneath our feet right here," Nielson said. "We fill the water table, and then our water resources last us for longer, keeping cold, clean water for a longer period of time. That's been identified as one of the top strategies for building resilience in the Colorado River Basin."

Trout Unlimited built 75 artificial beaver dams — technically called "beaver dam analogs" or BDAs — at Mud Creek and nearby Winter Quarters Creek last fall. The method



FRANCISCO KJOLSETH | *The Salt Lake Tribune*

Jordan Nielson with Trout Unlimited gives a tour on Aug. 16 of their project along Mud Creek that flows into Scofield Reservoir where 75 BDAs (human-made beaver dams) were installed with a partnership with the EPA and Utah Division of Water Quality.

involves driving fence posts into the ground, then weaving sticks and reeds around them, effectively mimicking what a beaver would do.

So, why not just trap and release actual beaver, as scientists are doing to restore ecosystems across Utah, so the rodents can do the work at Mud Creek themselves?

"We're hoping that it's like an 'if you build it, they will come' kind of thing," Nielson said.

Mud Creek has been heavily grazed for generations, so there are no trees or willows — the things beavers like to eat and use to build their homes. The idea is the BDAs will create the meadows and wetlands growing those kinds of things, and a fence around the creek means cows can't munch them back down again.

"We think we know how to build beaver dams," Nielson said, "but beavers actually know how to build beaver dams. So we just try and jump-start it."

Trout Unlimited used a \$400,000 EPA grant for the project, along with funds from Utah's Watershed Restoration Initiative. They also used machinery to reshape banks, planted 4,000 willow shoots and spread 400 pounds of native seed. Nielson

said it penciled out to cost about \$600 per BDA.

"But that's because I hired crews to come in and build them for me," he said. "We've done smaller projects where we bring volunteers to help us build and they're much, much less. You're talking a couple hundred bucks a structure."

And assuming the beavers do move in, it means no ongoing maintenance costs.

Utah State University professor and fluvial geomorphologist Joe Wheaton helped develop the method and coined the term "beaver dam analog" in 2009 while working on a project to restore steelhead salmon habitat in Oregon.

"There was a group of us and probably too many beers," he joked. "I regret the stupid acronym stuck."

BDAs have caught on in recent years. Trout Unlimited plans to build 2,000 in Utah alone by 2025, including in the Great Salt Lake watershed, using the surge in federal funds from last year's Bipartisan Infrastructure Law.

Wheaton counts around 12,000 BDAs built in 15 states so far.

"We know that's a dramatic underestimate," he said. "Any time you have a

nature-based solution that's common sense, it's exciting."

Wheaton cautioned BDAs are not a magic solution to water shortages, however, especially in the Colorado River Basin.

"It's not going to solve what we're losing with diminishing snowpack," he said, "and the changes we've been unwilling to make to our consumption."

But a big part of the appeal of both artificial and natural beaver dams is how they build an environment that's more adaptive to disasters fueled by climate change. They mitigate flooding. They inhibit invasive species. They protect water infrastructure and reservoirs from heavy sediment loads. They act as fuel breaks during wildfires, Wheaton said, and they release water throughout the year similar to snowpack.

At Mud Creek the landscape is already healing, even though the beavers haven't taken up occupancy yet. Native grasses have taken hold, willows have resprouted and the banks dump less dirt downriver.

"The goal is not to build structures that last, the goal is to quickly promote natural structures and get them to the point they don't need us," Wheaton said. "It's offering a meal to the stream."

ENVIRONMENT

# From tires to pristine: How Ogden recaptured its river

Years of work and remediation brought a river back to life

By Amy Joi O'Donoghue  
Deseret News

The Ogden River spans 35 miles and is a cultural identifier for this outdoorsy northern Utah town.

From the way it carves out Ogden Canyon and winds behind Lorin Farr Park — which provides part of the backdrop for the iconic 1993 movie “The Sandlot” — the Ogden River has alternately been celebrated and neglected.

Eric McCulley, project coordinator with the Utah Reclamation and Conservation Commission, recently told members of the Legislative Water Development Commission how important this river is, not only as a water resource for agriculture, but as a recreational asset enjoyed by thousands.

Years ago, Ogden City invested in the parkway trail, which winds around the river for nearly 10 miles.

But downstream, the river remained a source of pollution and in need of great help, spurring Ogden into action with multiple partners joining in to do something about it.

The city bought up dilapidated buildings and went about the business of fixing this important asset.

“And what that did was it provided this riparian corridor that provided access for floodwaters. It improved river access, and it enhanced the river, but it also made the community much stronger because of areas that were unsafe or unsightly or dangerous,” McCulley said.

McCulley has been involved with riparian corridor restoration for some time, and spoke in support of a proposal by Rep. Gay Lynn Bennion, D-Cottonwood Heights, who wants to ramp up protections across the state.

Following the playbook used in Ogden and in Helper, her measure would require cities and counties to incorporate riparian corridor considerations in their general plans within five years. The Helper City River Revitalization Project was launched with an aim to improve a stretch of the Price River, with the conservation of more than 60 acres, as well as wetlands and the removal of fish barriers. Since its inception, the river has seen an uptick in recreational users as well as benefits for the economy and environment.

Her hope is to change what may function as a dumping ground into an important piece of nature for people to enjoy. Similar attention has been paid to the Jordan River, but it still struggles to overcome pollution issues.

Bennion said an Envision Utah poll found that 75% of Utah residents value the vitality of a healthy river in an urbanized setting, so it is a good investment for not only wildlife and aquatic species but to boost a community's identity.

The Ogden River, she added, is a good example of what success looks like when it comes to restoration.

Nearly 13 years ago, the Ogden River Restoration Project was kick-started with a million dollars in federal stimulus funding.

In late December 2010, more than 2,400 tons of concrete and scrap had been



The fall colors reflect in the Ogden River in Ogden on Tuesday. Legislative discussions are underway to protect riparian corridors as part of county and city plans. Jeffrey D. Allred, Deseret News

removed from a 1.1 mile stretch of the river, in addition to 3,800 cubic yards of litter and more than 2,000 tires.

McCulley said it was a mess, including the astounding figure of nine cars that were removed from the river.

In their place, groups worked to place rocks to create a more natural channel flow, improve wildlife habitat, serve as a flood break and allow people to get closer to the river to enjoy its beauty.

“So if you can give the river the room it needs, that's helpful. It also took these buildings out of the flood area so they no longer had to have flood insurance and so the risk was reduced on the communities,” he said. “It created a really great amenity down there and it's actually resulted in over \$60 million of economic investment in the areas along the Ogden River where nobody was really interested before when it was a bunch of rundown houses and things like that.”

Bennion said Tuesday she is hopeful her proposal will galvanize action and greater protection for important river systems.

# After a record water year, did Utahns' conservation habits stick?

By LEIA LARSEN | *The Salt Lake Tribune*

When the Great Salt Lake sunk to record-low elevations in 2021 and 2022, Utah residents rallied to save it. They let their lawns go brown or ripped them out altogether. They called out wasteful watering and held rallies calling on lawmakers to secure the lake's future.

And, even after a record-breaking runoff season that filled reservoirs and raised the lake by a few feet, it seems those conservation habits stuck around.

The watering season just ended, so resource managers are still crunching numbers. But water suppliers across the Wasatch Front report usage numbers for 2023 that look pretty close to the prior two years.

The numbers are "pretty incredible, when you think about how much conservation we saw over the last two years," according to Laura Briefer, director of Salt Lake City's Department of Public Utilities. "That definitely made me happy."

In 2021 and 2022, residents of the capital city used an average of 19.2 billion gallons each year.

## Water

» Continued from A1

“This year is 19.6 billion gallons,” Briefer said. “So we are really, really close to the last two-year average.”

Although the U.S. Drought Monitor shows northern Utah is out of drought conditions for the first time in ages, Briefer said the city opted to keep stage 2 watering restrictions in place this year.

“It seemed to me we could interpret this still as a hydrological drought,” Briefer said, “given lake levels at the Great Salt Lake.”

The south half of the lake sits about 3.5 feet higher than it did at this time last year, but the north half is only a few inches higher. State resource managers filled in a railroad causeway bisecting the lake in 2022 to stave off rising salinity levels and prevent ecological collapse. Had they not done that, total gains for the entire Great Salt Lake this year would probably only amount to 1.5 to 2 feet, despite an unprecedented snowpack.

Weber Basin Water Conservancy District, which provides secondary water to customers in Weber and Davis counties, saw an uptick in outdoor water compared to the drought years of 2021 and 2022. But it’s still nowhere near the amount of watering seen before the Great Salt Lake’s record-low levels.

Data the district provided was from early September, with a few



TRENT NELSON | *The Salt Lake Tribune*

**People walk last month on the shore of the Great Salt Lake. Runoff filled reservoirs and knocked Utah out of drought status and water use only ticked up slightly.**

weeks left to go in the watering season.

“Time will tell,” said assistant general manager Jonathan Parry, “but if usage does play out similar to past years and the trends we are seeing continue then we will see a chart detailing water savings better than we had seen in 2019 and 2020.”

Jordan Valley Water

Conservancy District also reports deliveries that were only slightly higher than last year.

“[It] is encouraging that the public is maintaining some discipline and restraint in how they water,” Alan Packard, the district’s general manager, said at a Sept. 13 board meeting. “We have had a couple of favorable rainstorms in August and a cooler June but we’re encouraged

that the public is developing, hopefully, some long-term habits.”

A district spokesperson further reported that its customers removed 135,000 square feet of turf this season, with another 618,000 in progress.

“We are post-drought,” the spokesperson wrote in an email, “but the commitment to landscape changes continues!”

# Report: Utah faces climate challenge, from decline of the Great Salt Lake to the threat of air pollution

By BEN WINSLOW  
FOX 13

A major new report details some big progress but also significant challenges Utah faces with its environment.

The report was prepared for Gov. Spencer Cox and members of the Utah Legislature by Utah State University's Janet Quinney Lawson Institute for Land, Water & Air. It highlights ongoing issues Utah faces with the Great Salt Lake and air quality. It also proposes some policy solutions for many environmental issues.

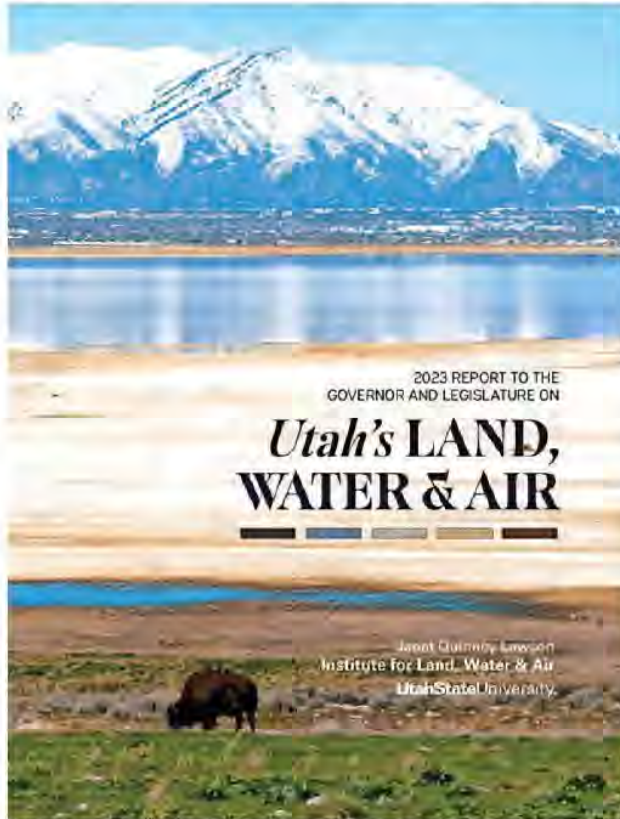
Overall, the report found that Utah is seeing effects of a changing climate despite a record-breaking year of snow. In fact, we'd need at least six more years like it to catch up for water losses at Lake Powell and Lake Mead and USU scientists aren't forecasting that.

"Over time you have warmer winters," said Dr. Brian Steed, the head of the institute. "We have warmer summers and that we have summers that are warmer, longer."

USU researchers noted that while the 2022-2023 winter was colder than average, it did not break the trend of rising winter temperatures in Utah going back to 1948.

When it comes to water conservation, Utah has made great strides.

"We're getting better at conserving water and certainly it's on all of our minds in Utah," said Dr. Sarah Null, a professor of watershed sciences at



The cover page of the 2023 report from Utah State University.

USU. "We need to get better at tracking and accounting for what we've conserved."

Null said that includes better "water shepherding" to ensure that what is conserved makes it to places it's needed like the Great Salt Lake.

The Great Salt Lake presents a big ecological challenge for the state, the report continues to point out. Since the lake hit its lowest point in recorded history last year, it continues to present a significant threat to the health of people and wildlife in northern Utah. Researchers found dust pollution will become an even bigger problem for the state as more lakebed is exposed with PM10 levels rising.

"On a really dusty day — no surprise — you're breathing about 10-20 times more dust than that's just a nuisance dust and there's also some elements in that," said Dr. Randy Martin, an associate research professor at Utah State University.

In that dust is dangerous minerals like arsenic, but USU has found enhanced levels of magnesium, calcium, vanadium and strontium above expected levels. In response, Utah's Department of Environmental Quality has convened a working group to coordinate and sample more areas to get an idea of how widespread the problem can be.

Utah has seen good progress when it comes to air quality. The report found fewer inversions and "red air" days when state officials urge people

to curb unnecessary driving and travel. However, the data collected also found Utahns chose to ignore pleas to curb vehicle emissions on "yellow air" days and, in some cases, drove more to avoid being in pollution.

The Uintah Basin this past winter recorded a surge in winter ozone condition as a result of increased oil and gas production in the area.

"We do have more work to do on air quality. We know that," Cox told FOX 13 News when asked about USU's research at his monthly news conference.

The governor said the state was working to address many of the report's findings and recommendations. He pointed to the state's increasing diversification of its energy portfolio.

"In improving air quality, it also helps with climate change. So that's a big piece of that, the emissions piece of that," he said. "We're working on expanding our energy sources across the state. We've talked about nuclear energy, that's going to be a big part as we head into the 2030s."

Gov. Cox suggested the state will pursue nuclear power further in Utah. Rocky Mountain Power is involved in small-scale nuclear power experiments with an eye toward re-purposing retired coal plants in rural Utah.

*Published through the Utah News Collaborative, a partnership of news organizations in Utah that aims to inform readers across the state.*

# Salt Lake City wins \$1 million for a public art project about the Great Salt Lake

By PALAK JAYSWAL | *The Salt Lake Tribune*

Salt Lake City has won a \$1 million grant from Bloomberg Philanthropies, to create a public art project about the plight of the Great Salt Lake.

Felicia Baca, the director of the Salt Lake City Arts Council, said in a release Thursday that “this is the single largest grant ever awarded” to the council.

Salt Lake City is one of eight cities to receive the grants as part of the Public Art Challenge, awarded Thursday by the charity started by Michael Bloomberg, the billionaire, former New York mayor and one-time presidential candidate. The challenge is meant to fund “temporary public art projects that address an urgent civic issue,” according to a previous news release from the philanthropic group.

In its release, the arts council said its project, “Wake: the Great Salt Lake,” is designed “to address the shrinking of the Great Salt Lake caused by humans and climate change by curating and installing several temporary public artworks by diverse local, regional, and internationally recognized artists that speak to this environmental crisis.”

The project, Baca said in a statement, “embraces many definitions of the word ‘wake.’ A wake is a time for reflecting on loss; ‘to wake’

means regaining consciousness after a period of rest; and a wake is the turbulence created when one moves through water.”

The Tribune reported in June, when the city was named one of 17 finalists for the grant, that the project will include visual art installations in each of the city’s seven city council districts — and that Salt Lake City’s proposal was one of five nationally aimed at addressing climate change.

In a statement, Salt Lake City Mayor Erin Mendenhall said she was excited about the grant “and the action it will inspire. The opportunity for local artists and creators to harness their talents to encourage stewardship of the Great Salt Lake — the city’s namesake and one of the most vital ecosystems in our region — is absolutely phenomenal.”

The arts council stated it has begun to make partnerships “throughout internal City departments, local nonprofits and artists, and is actively working to create partnerships with local tribal communities, scientists and diverse community members.” The public and private sectors will be working together over the next two years to execute the project, the council said.

Updates on the project, and more about the Public Art Challenge, can be found at [publicartchallenge.bloomberg.org](https://publicartchallenge.bloomberg.org).

# Feds say plan for water cuts from 3 states will be enough to protect the Colorado River

**BY KATHLEEN RONAYNE  
AND AMY TAXIN**  
Associated Press

SACRAMENTO, Calif. — Federal officials said Wednesday that conditions have improved on the Colorado River to the point that a plan by California, Arizona and Nevada to voluntarily reduce water use should help keep the river basin on stable footing for the next few years.

The U.S. Department of the Interior said in a statement that the risk of reaching critically low water elevations at Lake Powell and Lake Mead, the river's two key reservoirs, has gone down substantially.

"We have staved off the immediate possibility of the System's reservoirs from falling to critically low elevations that would threaten water deliveries and power production," Deputy Secretary Tommy Beaudreau said in a statement.

The river serves seven U.S. states, Native American tribes and two states in Mexico, supports a multibillion-dollar farm industry in the West and generates hydropower used across the region. Years of overuse by farms and cit-

ies and the effects of drought worsened by climate change has meant much less water flows through the river today than in previous decades.

But the announcement displays how much things have changed since summer 2022, when U.S. Bureau of Reclamation Commissioner Camille Touton said drastic cuts would be needed to stave off a crisis in the river. The states failed to reach a consensus on cuts, and the federal government did not end up forcing any.

Earlier this year, the Biden administration released two options that would have forced cuts on Arizona, California and Nevada either proportionally or based on the existing water priority system, which most benefits California. The threat of those two options finally forced the three states to reach their own voluntary plan for how to reduce their use of the river's water.

In May, they proposed to help shore up water levels by conserving at least an additional 3 million acre feet of water through the end of 2026 in exchange for \$1.2 billion in federal money.

UTAH LAKE AUTHORITY

# Director steps down; financial promises questioned

BY ISIA LARSEN  
The Salt Lake Tribune

**Editor's note:** This article is published through the Utah News Collaborative, a partnership of news organizations in Utah that aims to inform readers across the state.

The executive director of the Utah Lake Authority, which formerly operated as the Utah Lake Commission, abruptly resigned Wednesday.

Eric Ellis announced his departure in an email to board members, which was sent less than an hour after The Salt Lake Tribune asked him questions about his support for Lake Restorations Solutions, a company that spearheaded an effort to dredge Utah Lake and turn it into a city of half a million people.

In two letters obtained by The Tribune, Ellis said the Utah Lake Commission would provide millions of dollars to help Lake Restorations Solutions, or LRS, secure a federal loan for their project.

But the funds were not under the state agency's control. And the state agency that managed them had no idea they had been pledged. Neither did members of the commission's board.

"My hope is that a fresh set of eyes leading the entity will open the door for continued success," Ellis wrote in his resignation email to board members, "and added opportunities when implementing the Goals and Vision that you have identified for this fantastic natural resource here in Utah Valley."

LRS never received any federal funding. The company announced it had dissolved and filed for bankruptcy earlier this year.

### Letters of support

LRS scrambled in the fall of 2020 to put together an interest letter and supporting documentation for a hefty \$385 million low-interest loan from the U.S. Environmental Protection Agency's Water Infrastructure Finance and Innovation Act program, or WIFIA. The money, LRS said, would help the company dredge a billion cubic yards out of Utah Lake. They would use the dug-up sediment to build a series of islands, resulting in what LRS claimed would be a deeper, clearer, cleaner lake with a whole bunch of new beachfront real estate in one of Utah's fastest-growing counties.

Ellis, then the director of the Utah Lake Commission, submitted a "partnership letter" to LRS on Sept. 28, 2020, for the company to use in support of its WIFIA application. In the

letter, Ellis wrote the commission would provide \$45 million over 10 years to LRS's "Utah Lake Restoration Project" for eligible costs, including "water quality" the Walkara Way open space trail and park, "plagiarism removal" and "others."

LRS didn't get its WIFIA loan in 2020, so it applied again in the spring of 2021, this time seeking \$893 million from EPA. On May 18, 2021, Ellis sent another partnership letter for LRS's application, this time writing the commission would provide \$63 million.

But the Utah Lake Commission only had an annual budget of around \$400,000 at the time, provided by its member cities, Utah County and state agencies.

And the state agency that managed funds for projects like plagiarism removal and Walkara Way — the Division of Forestry, Fire and State Lands (FFSL) — didn't know the letters and their financial pledges existed until The Tribune provided copies last week.

"I was pretty surprised by the contents of these letters," said Jamie Barnes, director of FFSL. "My understanding was the Utah Lake Commission never had its own funding. I don't know how he would give his commitment for other agencies."

And the governing board for the Utah Lake Commission apparently did not authorize Ellis to send his partnership letters or make financial commitments either.

"The ULC had no knowledge of any documents sent to the EPA," American Fork Mayor Brad Frost, the commission's chair in 2020 and 2021, wrote in an email. "A document of this type would have been discussed in an open and public meeting."

Chris Condie, a Lehi City Council member who also served on the board at the time, confirmed members had no knowledge of the letters.

Had LRS's WIFIA loan been approved, state agencies or cities could have been in a bind with Ellis's financial commitments, especially if they had used that money to leverage other federal funds.

Barnes said her division tried to get a copy of LRS's WIFIA file, including supporting letters, from EPA.

"We were told it was protected and we couldn't receive it," she said.

Emails shared with The Tribune show EPA reviewed a Freedom of Information Action request for LRS's WIFIA applications in May 2022. When EPA reached out to Ellis

about his letters, Ellis asked the federal agency to keep his documents confidential for at least a year after they made a decision about the WIFIA loan.

"There are some real problems with what's represented in the letter," Barnes said. "It's not factual."

The LRS island-building project was not "state sponsored" as Ellis claimed, she said, and it did not go through the state procurement process. It also was not a public-private partnership. And legislation passed in 2018 did not authorize FFSL to use the sovereign state land under the Utah Lake in exchange for the LRS project, Barnes said. The bill said her division may dispose of state land to help restore Utah Lake, but it wasn't specific to the islands project and her division ultimately determined selling off the lakebed was unconstitutional anyway.

"This letter," Barnes said, "it really concerns me that he put it on Utah Lake Commission letterhead and sent it out."

### Dredging up a non-issue, or going down with the ship?

The Utah Lake Commission became the Utah Lake Authority last year, a more powerful institution with bigger budget of \$1.5 million appropriated by the Legislature each year. Ellis remained its executive director. American Fork lost its seat on the board.

"I get that it's an interesting story and it has lots of juicy bits," Ellis said in an interview Wednesday before he abruptly resigned, "but the [LRS] project is not moving forward. It sits a pot that doesn't need to be stirred at this point."

Ellis said the commission took a neutral position on LRS's



Utah Lake is pictured on Oct. 18.

FRANCISCO KJOLSETH, THE SALT LAKE TRIBUNE

project and that his letters were not a "promise to hand off dollars to anyone."

He added some board members were aware of his letters, "but maybe not all of them." He could not recall which board members knew, but said his position as executive director empowered him to send support letters at his discretion.

"We drafted a letter to support the inclusion of EPA and their WIFIA program," Ellis said, "as it would bring lots of additional overnight, and we would make sure that [LRS] needed, would have that extra level of scrutiny."

He acknowledged funds for Utah Lake projects were administered through FFSL. At the time he sent his letters, but did not recall whether he consulted them when drafting. He added there was a common understanding at the time that LRS had gone through a state procurement process, but the division later

clarified they had not. Regarding Barnes's refutation that LRS's dredging project was a public-private partnership, Ellis contended it was a matter of semantics.

"I don't know how to better describe it than that," he said. "It's public government entities working with private entities to come to a solution that ultimately was rejected, but at the time was being reviewed for potential permitting."

Vineyard Mayor Julie Fullmer,

the current chair of the Utah Lake Authority, did not immediately respond to a request for comment on Ellis's departure. Fullmer also sent a letter of support for LRS's WIFIA loan in September 2020, committing \$5 million from Vineyard City to the project. The funds had been approved by the City Council through the RDA to restore and improve Vineyard's shoreline area, she told The Tribune in response to a previously sent list of emailed questions.

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# Many companies seeking to cut water use are falling short

BY SUMAN NAISHADHAM  
AND BRITTANY PETERSON  
Associated Press

WASHINGTON — Major corporations in water-guzzling industries such as clothing, food, beverage and technology want to be better stewards of the freshwater they use — especially as drought, floods and other extreme weather intensified by climate change threaten their supply chains. But of 72 companies ranked by a sustainability nonprofit over the past year, few are close to achieving their 2030 targets.

Last year, Ceres launched an effort to press companies with large water footprints to protect those resources and address related financial risks. On Wednesday, the group released an analysis that found most of the assessed companies — including such powerhouses as Coca-Cola, General Mills and Amazon — have set targets but aren't close to meeting them.

"There's no doubt that companies need to do better," said Kirsten James, senior program director for water at Ceres.

Ceres said the companies were chosen from the four sectors based on factors including size and their impact on water. They were ranked based on a variety of factors, including commitments to protect the quantity and quality of the water they use, as well as the ecosystems that supply it. They were also assessed on whether they helped improve access to water and sanitation in communities where they do business. Ceres drew on publicly available information, including the



BRITTANY PETERSON, ASSOCIATED PRESS

Coca-Cola cans move down a conveyer belt in the Swire Coca-Cola bottling plant Friday in Denver. Major corporations in water-guzzling industries such as apparel, food and beverage, and tech want to be better stewards of the freshwater resources they use. Coca-Cola said its water use in 2022 was about 10% more efficient compared to 2015.

companies' filings and other voluntary disclosures through March.

None of the companies scored above 70% of the points available. Almost a dozen scored well enough to be rated "On Track" to meeting the goals, with at least 50% scores.

That included Coca-Cola, which said its water use in 2022 was 10% more efficient compared to 2015. The company said it aspires to have 100% circular water use — where every bit of water is used and eventually returned to the watersheds it has drawn from — at 175 locations by 2030.

But the company didn't say how likely it was to reach that target, nor

how much progress it has made. Coca-Cola also said manufacturing its product isn't where most of its water footprint lies; rather, it's in growing what goes into it.

"The agricultural ingredients that we use use vastly more water to produce than the actual manufacturing process," said Michael Goltzman, vice president of Coca-Cola and a sustainability head. "And it doesn't really matter where you are in the world."

The index was produced with funding that included a grant from the Coca-Cola Foundation, a separate entity from The Coca-Cola Company. Ceres said the index wasn't funded directly by any of

the companies evaluated, and said its work isn't influenced by funders.

Tech companies like Amazon and Apple, meanwhile, need large amounts of water to cool the computers in their sprawling data centers. Both companies checked in below 20% progress toward their goals.

An Amazon spokesperson on Tuesday said the company had not been given the opportunity to review the report or its main findings. Apple didn't immediately respond to a message.

Food company General Mills was among the companies furthest along in meeting its water-related targets by 2030, at 65%.

Mary Jane Melendez, the company's chief sustainability global impact officer, said 85% of the company's water use is in agriculture. And extreme weather in the U.S. has affected the company in recent years.

"We are seeing that there are challenges in getting ingredients out of the ground when these extreme weather events are hitting our key sourcing regions," said Melendez. She cited freezing and thawing that has hurt the company's sourcing of sugar beets and drought that has hit its oats supply.

Michael Kiparsky, director of the Wheeler Water Institute at the University of California, Berkeley, said having companies report water-related sustainability targets and mapping their use across supply chains is an important step to using it better.

"The big question is: Is anyone going to pay attention?" Kiparsky said.

# Report: Utah faces climate challenge, from decline of the Great Salt Lake to the threat of air pollution

By BEN WINSLOW

Fox 13

A major new report details some big progress but also significant challenges Utah faces with its environment.

The report was prepared for Gov. Spencer Cox and members of the Utah Legislature by Utah State University's Janet Quinney Lawson Institute for Land, Water & Air. It highlights ongoing issues Utah faces with the Great Salt Lake and air quality. It also proposes some policy solutions for many environmental issues.

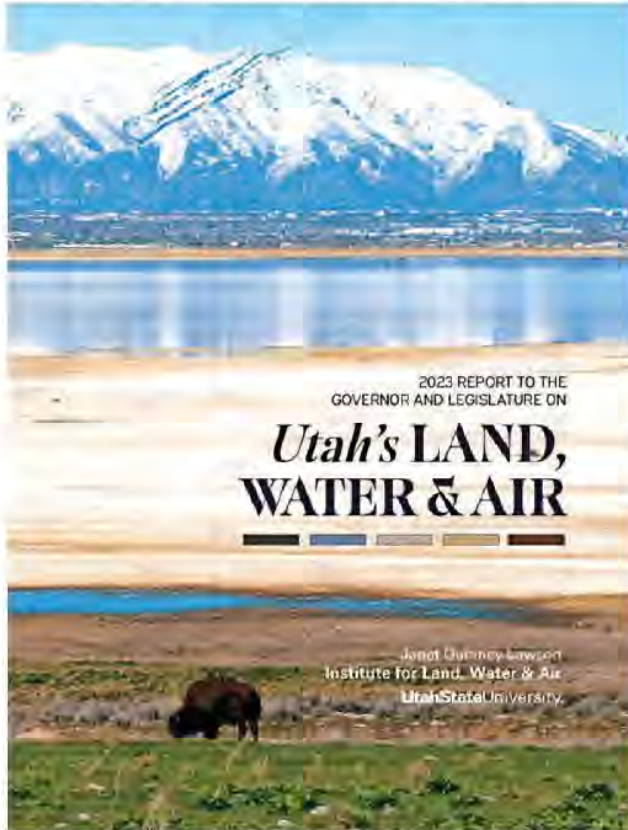
Overall, the report found that Utah is seeing effects of a changing climate despite a record-breaking year of snow. In fact, we'd need at least six more years like it to catch up for water losses at Lake Powell and Lake Mead and USU scientists aren't forecasting that.

"Over time you have warmer winters," said Dr. Brian Steed, the head of the institute. "We have warmer summers and that we have summers that are warmer, longer."

USU researchers noted that while the 2022-2023 winter was colder than average, it did not break the trend of rising winter temperatures in Utah going back to 1948.

When it comes to water conservation, Utah has made great strides.

"We're getting better at conserving water and certainly it's on all of our minds in Utah," said Dr. Sarah Null, a professor of watershed sciences at



The cover page of the 2023 report from Utah State University.

USU. "We need to get better at tracking and accounting for what we've conserved."

Null said that includes better "water shepherding" to ensure that what is conserved makes it to places it's needed like the Great Salt Lake.

The Great Salt Lake presents a big ecological challenge for the state, the report continues to point out. Since the lake hit its lowest point in recorded history last year, it continues to present a significant threat to the health of people and wildlife in northern Utah. Researchers found dust pollution will become an even bigger problem for the state as more lakebed is exposed with PM10 levels rising.

"On a really dusty day — no surprise — you're breathing about 10-20 times more dust that's just a nuisance dust and there's also some elements in that," said Dr. Randy Martin, an associate research professor at Utah State University.

In that dust is dangerous minerals like arsenic, but USU has found enhanced levels of magnesium, calcium, vanadium and strontium above expected levels. In response, Utah's Department of Environmental Quality has convened a working group to coordinate and sample more areas to get an idea of how widespread the problem can be.

Utah has seen good progress when it comes to air quality. The report found fewer inversions and "red air" days when state officials urge people

to curb unnecessary driving and travel. However, the data collected also found Utahns chose to ignore pleas to curb vehicle emissions on "yellow air" days and, in some cases, drove more to avoid being in pollution.

The Uintah Basin this past winter recorded a surge in winter ozone condition as a result of increased oil and gas production in the area.

"We do have more work to do on air quality. We know that," Cox told FOX 13 News when asked about USU's research at his monthly news conference.

The governor said the state was working to address many of the report's findings and recommendations. He pointed to the state's increasing diversification of its energy portfolio.

"In improving air quality, it also helps with climate change. So that's a big piece of that, the emissions piece of that," he said. "We're working on expanding our energy sources across the state. We've talked about nuclear energy, that's going to be a big part as we head into the 2030s."

Gov. Cox suggested the state will pursue nuclear power further in Utah. Rocky Mountain Power is involved in small-scale nuclear power experiments with an eye toward re-purposing retired coal plants in rural Utah.

*Published through the Utah News Collaborative, a partnership of news organizations in Utah that aims to inform readers across the state.*

# Utah Lake Authority director steps down when Tribune asks about money promised for dredging project

In two secret letters, Eric Ellis said he would provide tens of millions of dollars in support of a project that would have built artificial islands.

By LEIA LARSEN

*The Salt Lake Tribune*

The executive director of the Utah Lake Authority, which formerly operated as the Utah Lake Commission, abruptly resigned Wednesday.

Eric Ellis announced his departure in an email to board members, which was sent less than an hour after *The Salt Lake Tribune* asked him questions about his support for Lake Restorations Solutions, a company that spearheaded an effort to dredge Utah Lake and turn it into a city of half a million people.

In two letters obtained by *The Tribune*, Ellis said the Utah Lake Commission would provide millions of dollars to help Lake Restorations Solutions, or LRS, secure a federal loan for their project.

But the funds were not under the commission's control. And the state agency that managed them had no idea they had been pledged. Neither did members of the commission's board.

"My hope is that a fresh set of eyes leading the entity will open the door for continued success," Ellis wrote in his resignation email to board members, "and added opportunities when implementing the Goals and Vision that you have identified for this fantastic natural resource here in Utah Valley."

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## Letters of support

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And the governing board for the Utah Lake Commission apparently did not authorize Ellis to send his partnership letters or make



FRANCISCO KJOLSETH | *The Salt Lake Tribune*

Eric Ellis stepped down Wednesday from his position as executive director of the Utah Lake Authority when questions arose about his support for Lake Restorations Solutions, a company that led efforts to dredge Utah Lake and create habitable islands.

financial commitments either.

"The ULC had no knowledge of any documents sent to the EPA," American Fork Mayor Brad Frost, the commission's chair in 2020 and 2021, wrote in an email. "A document of this type would have been discussed in an open and public meeting."

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Regarding Barnes's refutation that LRS's dredging project was a public-private partnership, Ellis contended it was a matter of semantics.

"I don't know how to better describe it than that," he said. "If's public government entities working with private entities to come to a solution that ultimately was rejected, but at the time was being reviewed for potential permitting."

Vineyard Mayor Julie Fullmer, the current chair of the Utah Lake Authority, did not immediately respond to a request for comment on Ellis's departure. Fullmer also sent a letter of support for LRS's WIFIA loan in September 2020, committing \$5 million from Vineyard City to the project. The funds had been approved by the City Council through the RDA to restore and improve Vineyard's shoreline area, she told *The Tribune* in response to a previously sent list of emailed questions.

# Utah Rivers Council: Great Salt Lake is a mortgage and 3 states owe a huge debt

By Amy Joi O'Donoghue  
Deseret News

The Utah Rivers Council unveiled its ambitious 4200 Project — a year in the works — that includes 12 recommendations including drastic measures, such as restructuring water rates and banning ornamental grass altogether in Utah.

“There is no goal to restore the GSL by Utah and that is really a problem,” said Zach Frankel, executive director of the council. “Gov. (Spencer) Cox has been reluctant to support a water elevation goal and that has allowed him to celebrate minor successes.”

Frankel said the lake needs an additional eight million acre-feet of water and to get there, even if every northern Utah farmer stopped using water and every man, woman and child in northern Utah didn't use any water, it would still take 4.5 years to get there.

“(This is) to give a sense of scale of how big this expedition is that we are on. We are not climbing the foothills. We are climbing Mount Everest or K2 and we need to be realistic and honest with ourselves,” Frankel said.

The council, among its most ambitious goals, aims to stop all new upstream diversions to the Great Salt Lake not only in Utah, but the neighboring states of Idaho and Wyoming that are part of the Bear River Compact.

“We need to work with the community of farmers in Wyoming and Idaho to purchase their water where we can and invest in efficiency measures, but make sure that the water saved through efficiency measures on farms is actually delivered to the Great Salt Lake and not like we ‘oh, we need to do that someday,’ which is the current policy in Utah,” Frankel said.

“So that means we need to start working with

Idaho and Wyoming and, for that matter, federal funding sources so we can start to work together to transfer surplus and wasted water on the farms of Idaho, Wyoming and Utah to deliver to the Great Salt Lake.”

The council's dozen legislative recommendations include:

- Overhaul the “broken” state agricultural optimization program to make sure all the water saved gets to the Great Salt Lake.
- Quit subsidizing water rates through property taxes so the true cost of water is reflected.
- Create a mechanism by which water rights are permanently secured for the benefit of the Great Salt Lake and not just leased.
- Require a strict accounting for all secondary water use.

The council's 140-plus page report takes a deep dive into what it says has been a systemic mismanagement of a vital ecosystem not only important to Utah but to all residents of the United States and beyond.

The Great Salt Lake is the largest remaining wetland ecosystem in the American West, supporting 330 migratory bird species totaling eight to 10 million birds that travel from every country in South and Central America. Many birds gather at the Great Salt Lake in larger numbers than anywhere else on the planet, according to the council, landing the lake as a key resting place on the Pacific Flyway.

Frankel contends the state's agricultural optimization program, in which \$200 million of new money was directed last year, is a failed effort because it does not guarantee any of the water that is “saved” makes it to the Great Salt Lake.

“There's been descriptions that it's actually going to lead to Great Salt Lake water deliveries.



Megan Nielsen, Deseret News

A tourist takes a photo from an overlook at Great Salt Lake State Park in Magna on Oct. 6.

In actuality, there's nothing in that statute that requires saved water on these farms to be delivered to the Great Salt Lake. There's been a lot of talk about that, but there's no requirement,” he said.

Utah's commissioner over the Utah Department of Agriculture and Food rejected Frankel's claim that the program is broken.

“The Utah Agriculture Water Optimization program has been a successful effort by the state as well as Utah's farmers and ranchers who have come together to find effective solutions to agriculture water conservation. This program has effectively funded over 300 projects, the majority of which have been in the Great Salt Lake basin, to reduce water depletion and diversion, and early data shows the program has been successful in those efforts,” Craig Butters said.

“Without the real life, applicable solutions

provided by this incentive program, Utah's agricultural community would be unable to make the necessary changes while keeping our food supply intact. This program is working, and we continue to look for advancement and improvements to further our efforts,” Butters said.

The agency also pointed to a study by Utah State University that details the benefits of such a program, including less depletion of reservoir storage, surface water and groundwater resources. And in an area that drains into the Great Salt Lake, that matters.

Frankel said leaders need to be held accountable, instead of digging through the cushions of a couch to come up with spare change to make a “house” payment on the lake. Rather, they need to come with a meaningful mortgage payment or plan to keep Utah's most critical ecosystem vibrant.

# Is Utah winning the war on algal blooms?



Kristin Murphy, Deseret News  
Jeff Mortensen guides the boat Odyssea through algal blooms in Utah Lake toward a boat ramp at the Lindon Marina in Vineyard, Utah County, on July 19, 2021.

## The toxic menace lingers into fall and even winter — not just in Utah, but nationwide. What will it take to finally heal this national epidemic?

By Eyal Harel  
For the Deseret News

From the heart of Utah to the far corners of the state and points in between, watches, warnings and danger advisories remain in effect for harmful algal blooms. The toxic menace has become a summer ritual that lingers into fall and even winter — not just in Utah, but nationwide. No state has been spared.

Noxious blooms return to the same lakes and reservoirs, creeks and streams, stock water ponds and stormwater pools year after year, many producing toxins that can suck the life out of sensitive ecosystems, sicken people and prove fatal to pets who come into contact with infected water or brush against dried blooms on the shoreline. A beloved family pet died over Labor Day weekend after being exposed to harmful algae in Utah Lake. And three weeks before, another dog died and three others were sickened by toxic algae in the Virgin River.

What will it take to finally heal this national epidemic? What we are doing now is not working. Efforts at the federal level fall woefully short. A new Centers for Disease Control and Prevention analysis reports 368 harmful algal blooms resulted in 117 human illnesses and at least 2,715 animal illnesses in 2021. This analysis grossly understates the magnitude of the problem because reporting is only voluntary. Utah is one of only 16 states to report outbreaks and illnesses to the CDC. Without mandatory reporting, we will not come close to fully grasping the consequences of harmful algae.

A Government Accountability Office study of federal efforts to manage toxic blooms provides additional cause for concern. Twenty-five years after Congress directed NOAA and EPA to develop a comprehensive, coordinated national program on harmful algal blooms, we still do not have one. For the most part, this toxic plague is left to states to address.

It is time for a new strategy. We must put more resources into prevention. Congress should consider legislation to better manage nonpoint source pollution. Farmers can reduce their use of fertilizer and create buffers to absorb nutrients and reduce runoff. More states can adopt fertilizer application standards and strengthen manure regulations. And municipalities can update wastewater treatment facilities to ensure pollutants are not being discharged

into area waterways.

The war on algal blooms in Utah is being waged on many fronts. Utah is among the states that carry out routine sampling of recreational water bodies. The Utah Department of Environmental Quality provides an interactive map pinpointing advisories, and a reporting hotline for the public when blooms are spotted. The Utah Department of Agriculture has a response plan to help farmers and ranchers mitigate blooms, and the state has established a technology-based limit for phosphorus to help reduce point-source runoff. The fact that toxic blooms return year after year — and often linger longer — underscores the difficult task state and local leaders face. And while early treatment is the key to reducing the intensity of repeat blooms, mitigation measures often tap into already tight finances.

One newer solution that's gaining attention is the use of environmental impact financing, which funds the cleanup of an algae-infested water body via the sale of impact credits. The harmful algal bloom is remediated at no cost to the local governing body, while companies interested in offsetting their impact on the environment, such as their carbon footprint, purchase credits to fund the project. The body of water's health is restored — without costing taxpayers a dime. We need more of these kinds of creative solutions to address this growing problem.

All states should have a comprehensive harmful algal bloom program in place. Routine monitoring and tracking should be mandated, not simply recommended. States should establish monitoring guidelines and cyanotoxin threshold levels for public water systems, flag water bodies that do not meet quality standards, and set daily caps on nutrient-related pollutants. Agencies in charge of tracking outbreaks need more funding and additional resources.

Utah is home to iconic national parks, stunning red rock landscapes and pristine lakes fed by freshwater springs and snowmelt. We must cherish and protect these natural treasures. By focusing on aggressive early treatment and prevention, we can break toxic algae's menacing cycle once and for all.

Eyal Harel is a clean water advocate and CEO of BlueGreen Water Technologies, a global water-tech company whose mission is to restore, safeguard and optimize the health of water bodies worldwide.

# Water watchdog releases plan to shore up the Great Salt Lake

“The 4,200 Project” calls on lawmakers to adopt more aggressive conservation policy.

By **LEIA LARSEN** | *The Salt Lake Tribune*

The Utah Rivers Council has released a 12-part plan to bring the struggling Great Salt Lake back to a sustainable elevation.

The nonprofit unveiled the 4,200 Project Wednesday, which outlines several policy changes to bring the lake to an elevation of 4,200 feet above sea level. This “Goldilocks zone” means the lake’s dust hot spots are covered. Islands become islands again. Salinity levels are optimal for supporting brine shrimp, brine flies, and the millions of migrating shorebirds and waterfowl that depend on them. But it’s going to take a lot of time and water to get there — the Great Salt Lake currently sits at 4,192 feet in the south half and 4,189 feet in the north.

The Great Salt Lake’s current record low, set last November, is 4,188.5 feet.

“The clock has started ticking to the new record low for the Great Salt Lake,” said Zach Frankel, executive director of the Utah Rivers Council, in an interview. “[It’s] anybody’s guess when that’s going to happen, but our assumption is that that’s going to be in 2024.”

The lake needs about 8 million acre-feet to fill to a healthy level, about four

*Please see* **WATER, A3**

## Water

» Continued from A1

times the amount of water diverted by farmers and cities in the Great Salt Lake Basin each year, Frankel said. With concerted effort and tougher regulations, however, Frankel forecasts the lake can reverse its decline and reach 4,200 in 20 years.

“One would not have to convince me that we should repay it in the soonest possible time-frame,” Frankel said. “But what we’re concerned about is the lack of specificity in what we’re being offered in terms of leadership by the state of Utah ... we’re not seeing anything near the total water that’s needed to repay the debt in the Great Salt Lake.”

Policy proposals for the project include setting a mandated elevation for the lake, allowing water right holders to permanently dedicate water to the lake themselves, instead of relying on state agencies subject to political pressure, and sending the extra water when farmland gets converted to urban use to the lake.

The project also calls for reforms to Utah’s Agricultural Water Optimization Program, which uses public funds to help private landowners upgrade their irrigation infrastructure. The farmers can then dedicate the conserved water to environmental and public



RICK EGAN | The Salt Lake Tribune

**The Utah Rivers Council’s 4,200, Project, which it released on Wednesday, is a plan to bring the Great Salt Lake back to a sustainable elevation.**

benefit uses like the Great Salt Lake, but there currently is no requirement for them to do so — they could sell it to cities or developers instead. Utah Rivers Council argues the state should receive a share of that water that is proportional to the public investment.

Other suggestions call for pricing structures that discourage wasteful outdoor

water, canceling plans to build new dams and reservoirs on the Bear River, ending property taxes that subsidize water district, boosting the amount of money available to buy water rights for the lake, banning ornamental turf, fixing leaky pipes and pushing cities to set more aggressive conservation goals.

Frankel said his staff will lobby state lawmakers this coming session to adopt the policies in The 4,200 Project. Last session, they worked with Sen. Nate Blouin on a resolution that would have set a nonbinding target elevation of 4,198 for the lake. That bill failed to make it out of committee. Utah Rivers Council is also part of a lawsuit against the state that is attempting to use the public trust doctrine to save the Great Salt Lake, a strategy that successfully prevented the City of Los Angeles from draining Mono Lake in California.

Lawmakers have called the litigation unhelpful and “uninformed.”

Still, Frankel said he felt the Legislature would be receptive to Utah River Council’s policy proposals.

“There’s actually a number of legislators,” he said, “who are concerned that the state of Utah is not making sufficient progress in implementing the needed changes to raise Great Salt Lake water levels.”

*This article is published through the Great Salt Lake Collaborative, a solutions journalism initiative that partners news, education and media organizations to help inform people about the plight of the Great Salt Lake — and what can be done to make a difference before it is too late. Read all of our stories at [greatsaltlakenews.org](https://greatsaltlakenews.org)*



The Colorado River flows next to Kane Creek Blvd in Moab. Officials say voluntary planned water cuts by three states should protect the river, getting it onto stable footing for the next three years.

TRENT NELSON | The  
Salt Lake Tribune

## Federal officials say plan for water cuts from 3 Western states is enough to protect Colorado River

By KATHLEEN RONAYNE and AMY TAXIN

*The Associated Press*

**Sacramento, Calif.** » Federal officials said Wednesday that conditions have improved on the Colorado River to the point that a plan by California, Arizona and Nevada to voluntarily reduce water use should help keep the river basin on stable footing for the next few years.

The U.S. Department of the Interior said in a statement that the risk of reaching critically low water elevations at Lake Powell and Lake Mead, the river's two key reservoirs, has gone down substantially.

"We have staved off the immediate possibility of the System's reservoirs from falling to critically low elevations that would threaten water deliveries and power production," Deputy Secretary Tommy Beaudreau said in a statement.

The river serves seven U.S. states, Native American tribes and two states in Mexico, supports a multibillion-dollar farm industry in the West and generates hydropower used across the region. Years of overuse by farms and cities and the effects of drought worsened by climate change has meant much less water flows through the river today than in previous decades.

But the announcement displays how much things have changed since summer 2022, when U.S. Bureau of Reclamation Commissioner Camille Touton said drastic cuts would be needed to stave off a crisis in the river. The states failed to reach a consensus on cuts, and the federal government did not end up forcing any.

Earlier this year, the Biden administration released two options that would have forced cuts on Arizona, California and Nevada either proportionally or based on the existing water priority system, which most benefits California. The threat of those two options finally forced the three states to reach their own voluntary plan for how to reduce their use of the river's water.

In May, they proposed to help shore up water levels by conserving at least an additional 3 million acre feet of water through the end of 2026 in exchange for \$1.2 billion in federal money.

Though the federal government needs to finish its regulatory process, Wednesday's announcement indicates it is poised to officially accept that plan, said JB Hamby, chairman of the Colorado River Board of California and a board member at the Imperial Irrigation District, the largest user of the river's water.

Federal money and a good winter that shored up water supplies across California and the West have helped changed the trajectory of negotiations, he said.

"This is a victory for collaboration as an approach rather than conflict, which is where we started," Hamby said.

California will be responsible for more than half of the total cuts. Those could be achieved through things like implementing water efficiency measures and idling certain crops for months at a time, Hamby said previously.

Already, the three states have lowered their water use, said Tom Buschatzke, director of the Arizona Department of Water Resources and the state's representative on Colorado River issues. He said Arizona was on track this year to use about one-third less water than the amount it is allocated.

"Arizona's conservation efforts alone have been substantial," he said in a statement.

Now, the states can turn their attention to a new long-term agreement for how to share the river's water beyond 2026.

Hamby said he looks forward to "using that momentum to start to build what the next 20 years looks like on the Colorado River."

**Amy Taxin** reported from Santa Ana, California. Associated Press writers **Suman Naishadham** in Washington and **Ken Ritter** in Las Vegas contributed.



# Be Water Wise: Happy Water New Year

by: [Heather W. Smith](#)

Posted: Oct 4, 2023 / 10:39 AM MDT

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*This story is part of our Be Water Wise series. Each week we will be educating Utahns on water usage and conservation. Special thanks to The Jordan Valley Water Conservancy District and Cynthia Bee for helping coordinate information.*

SALT LAKE CITY ([ABC4](#)) – They may not celebrate with Champagne toasts and fireworks, but the Jordan Water Conservancy is celebrating a new year — Happy Water New Year.

## **[Be Water Wise: Don't waste the nearly 3 billion gallons of Utah's stored water](#)**

Looking back on the old year, water agencies are reporting banner years- good and bad. Record temperatures to close out the Summer of 2022 left Utah in a precarious water position with aquifers in need of replenishment, then Utah proceeded to have the best statewide snowpack ever recorded.

“The ‘Hail Mary’ pass that saved us this past winter was a miracle play in the fourth quarter of the larger game — not a water planning strategy,” said Cynthia Bee, with the [Jordan Valley Water Conservancy District](#). “We’re thankful for the year we had but cannot plan our future supply based on the rare event.”

The district reminds all of Utah that even in the shadow of such a great water year, we still must be conservative in our water usage. It doesn’t take long to use up stored water if Utah sees harsh conditions over the next year.

There may still be nearly three months until Father Time hands off the baton to Baby New Year, but the new water year is officially underway. The kickoff for the new year is the end of irrigation season for most agencies, some go with the change of physical seasons. Either way, they are all within weeks of each other and the new year begins during the month of October.

“Jordan Valley Water aligns with other local water agencies in using a water year that begins Nov. 1 and ends Oct. 31,” explains Wade Tuft, Water Supply Manager for the Jordan Valley Water Conservancy District. “Most irrigation seasons don’t end

until October so water deliveries are still being made. From an accounting standpoint, it makes more sense to begin building the new year supply after irrigation deliveries are completed for the year.”

No matter what date is chosen, there are always key factors that water agencies look at to determine the new water year: soil moisture, precipitation, and water supply impact.

### **Soil Moisture**

Soil moisture is already very high for this year. When taken into consideration with reservoir storage, currently at 80-85% full, we are in good shape for the accumulation season.

Soil moisture also helps with supply to reservoirs and streams and even helps get water back to the Great Salt Lake. Once the soil has absorbed all the water it can hold, the excess runs off the surface and travels downhill to streams and eventually reservoirs.

### **[Be Water Wise: Where does it go, when you ‘go?’ – Treatment plant answers the question](#)**

Once the soil is saturated, a greater percentage of the snow melt will run off into the streams and reservoirs. Having a wet fall is key to setting up the spring runoff. Once the ground freezes in early winter, it will not absorb more moisture until it thaws. That means the level of moisture in the soil at that time determines how much moisture will be absorbed in place before runoff begins, regardless of the volume of snow received.

### **Precipitation**

While snowpack is the most important factor overall, precipitation still plays an important role.

“The rain we’ve received so far in October is helping the soil moisture profile to optimize the runoff and can help our water supply by decreasing demand,” said Tuft. “But, only if we respond to rain events by turning off our sprinkler systems.”

Water managers are quick to point out that Mother Nature will provide for the minimal water landscapes needed in October and encourage all water users to turn off and winterize landscape sprinkler systems the first week of October.

### **Water Supply Impact**

The impact of water supply flows across the board; water used by the state itself and water used by individuals. 87% of precipitation we receive through rain and snow stays in the environment. Not all of the 13% that can be collected for potential human use can be used for drinking purposes, so some portions of that go back into storage systems.

“Everyone is hoping that 2024 will provide another banner water year. While our reservoirs and water storage are in great shape, having more water means more choices about how it’s used,” reminds Wade Tuft. “Including forwarding potential water supply to benefit the Great Salt Lake.”

Understanding and celebrating water use and conservation is a great way to start off a new water year. Setting goals to take advantage of education and incentives to Be Water Wise is a goal that Utahns can find tons of support to make sure your New (Water) Year’s Resolutions are met.

# Be Water Wise: When you know, you know

by: [Heather W. Smith](#)

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*This story is part of our Be Water Wise series. Each week we will be educating Utahns on water usage and conservation. Special thanks to The Jordan Valley Water Conservancy District and Cynthia Bee for helping coordinate information.*

WEBER BASIN, UT (ABC4) – Many Utah homeowners use secondary water for irrigation purposes. This comes in handy for large landowners or gardens. It has become almost commonplace for some to simply open the irrigation gate and let the water flow.

## **[Be Water Wise: Happy Water New Year](#)**

What if residents were able to track that water use? Could it change their watering habits and help in conservation efforts? The answer is astoundingly yes. When secondary water is metered it makes a difference in conservation and use.

Historic legislation was passed in 2022 requiring all secondary water connections in Utah to have a metering system in place by 2030. The state legislature has allotted \$250 million to the effort, and this will allow water entities throughout the state to install meters on more than 200,000 connections.

Meter installation, combined with public education about responsible water use, has proven to be one of the state's most effective water conservation tools. This has become a proven effort in the Weber Basin Water Conservancy District.

The WBWCD has made the metering system a benefit to their customers by offering an online customer portal where secondary water users can see first hand their water use.

“The portal allows the district’s metered customers the opportunity to be active participants in managing their water use,” reports Jon Parry, Assistant General Manager of WBWCD. “The portal allows easy access to near real-time water usage. Users can see how much water they are using, when they are watering, assist in

identifying leaks, customize alerts, and compare their usage to estimated needs based on actual weather patterns.”

The portal also allows users to be proactive in managing their water use. The district has seen the utilization of the portal increase nearly 300% over the last few years. Last year the district reports 7,000 new customers signed up and over 65,000 alerts were sent to customers. Alerts give users a heads up about water use times, leaks, and user notifications.

WBWCD reports that users in general have been surprised at their water use and have seen an improvement in conservation efforts due to the dissemination of information. The district says they have seen, on average, users reducing their water consumption by 20 – 30% after taking advantage of the district’s educational tools including the portal and free classes taught each year..

“Historically secondary water usage has not been metered. Moving to a metered system comes with a lot of learning opportunities. First, many users of secondary water are surprised to see just how much water is being used for their landscapes, and it is a lot,” said Parry. “Within the District’s service area, the average homeowner is using over 3,000 gallons every time they water their lawn. Compare this to your indoor water usage and you can see why we are focusing a lot of our conservation efforts on being better with our outdoor water usage. “

The Customer Portal offers a comprehensive view a customer’s water use. The following data is measured.

**Usage Tracking:** Customers can monitor exactly how many gallons they are using per hour, providing a clear understanding of their irrigation habits. Customers are surprised to discover how much water is being used for one irrigation cycle.

**Duration Monitoring:** Users can see how long their irrigation systems are running, aiding them in identifying opportunities for reduction.

**Time-of-Day Data:** The portal provides data on the time of day when water is being used, assisting customers in making informed decisions about when to irrigate for maximum efficiency.

***Historical Data:*** Users can compare their current watering habits to their historical usage. This comparison can span from year to year, displaying improvements and reductions.

***Leak Alerts:*** Water meters can help detect leaks within a customer's irrigation system. A constant stream of water usage can be a sign of a leak, prompting homeowners to act before significant damage or water loss occurs.

***Yearly Allocation Alert:*** Customers can sign up to receive either an email or a text message when they are getting close to exceeding their allocation for the year. This can help anticipate needed cutbacks and avoid early water shutoff and the associated fees.

For more details on secondary metering, you can visit the [Utah Division of Water Resources information page](#) on their website.