



JORDAN VALLEY WATER
CONSERVANCY DISTRICT

**BOARD MEETING
OF THE BOARD OF TRUSTEES
JANUARY 10, 2024**

January 10, 2024

February 14, 2024

March 13, 2024

April 10, 2024

May 8, 2024

June 5, 2024

July 10, 2024

August 14, 2024

September 11, 2024

October 9, 2024

November 13, 2024

December 11, 2024

JORDAN VALLEY WATER CONSERVANCY DISTRICT

ACRONYMS AND ABBREVIATIONS

ACRONYM OR ABBREVIATION	DEFINITION
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

ACRONYM OR ABBREVIATION	DEFINITION
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

ACRONYM OR ABBREVIATION	DEFINITION
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

ACRONYM OR ABBREVIATION	DEFINITION
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

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 November 6, 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, November 6, 2023, at 3:00 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:

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

Staff Present:

Alan Packard, General Manager
Jacob Young, Deputy General Manager
Matt Olsen, Assistant General Manager
Shazelle Terry, Assistant General Manager
Jason Brown, Information Systems Department Manager
Brian Callister, Maintenance Department Manager
Shane Swensen, Engineering Department Manager
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
Margaret Dea, Senior Accountant (electronic)

Welcome

Mr. Corey Rushton, Chair, called the meeting to order at 3:00 p.m.

**Review agenda
for November 8,
2023, Board
meeting**

Mr. Rushton asked Mr. Alan Packard, General Manager, to proceed with the review of the proposed agenda. Mr. Packard reviewed the proposed agenda for the November 8, 2023, Public Hearing and regular Board of Trustees meeting. Some of the topics for discussion and consideration included: public hearing relating to the issuance of up to \$135 million of water revenue bonds; and related matters; presentation by Laura Vernon, Great Salt Lake Basin Planner with the Division of Water Resources, about "Great Salt Lake Basin Integrated Plan"; consider approval of minutes of the Executive Committee meeting held October 9, 2023, and the regular

Board meeting held October 11, 2023, and the Trustees expenses report for October 2023; consider approval of Board and Committee meetings' schedule for 2024; consider adoption of Resolution No. 23-20, "Authorizing the Issuance of up to \$135 Million of Water Revenue Bonds; and Related Matters"; presentation on the audit report by Gilbert & Stewart for fiscal year ending June 30, 2023; 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"; consider authorization to award a construction contract for 1362 East 6400 South Well Rehabilitation; consider approval of engineering contract amendment for 3300 South Pipeline Project; consider approval of Third Joint Agreement with Hexcel Corporation and Kearns Improvement District; consider approval of amendment to water purchase agreement with Granger-Hunter Improvement District; core mission reports; standing committee reports; and various routine reporting items. A closed session was proposed to discuss pending litigation; and to discuss the character and professional competency of an individual.

Ms. Karen Lang arrived in person at 3:09 p.m.

Mr. John Taylor joined electronically at 3:14 p.m.

**Review draft
audit report**

Mr. Brian McCleary, Controller, discussed the Auditors' Report that will be presented by the auditor, Ron Stewart, during the regular Board meeting on Wednesday, November 8, 2023. This report will be the official financial statement for the years ended June 30, 2023 and 2022, and will then be distributed and placed on the State Auditor's website and will be used by rating agencies and other industry analysts to evaluate JVVCD's performance. He reviewed various sections of the report, including the Statement of Net Position; and Statement of Revenues, Expenses, and Changes in Net Position.

**Discuss draft
2024 Strategic
Plan**

Mr. Matt Olsen presented the draft 2024 Strategic Plan (Plan). He said the Plan is approximately 90% complete, and that a final version is expected to be ready to present to the Board for adoption during the January 2024 meetings. He said that the updated Strategic Plan is intended to guide major decisions and investments over the next ten years. Mr. Olsen then summarized the main components of the Plan which included Mission, Vision, and Values, Core Imperatives, and Areas of Strategic Focus. The Areas of Strategic Focus include the following eight subject areas which align with the current version of the Effective Utility Management document: 1) Product Quality and Operational Optimization, 2) Customer Satisfaction and Stakeholder Support, 3) Employee and Leadership Development, 4) Financial Viability, 5) Infrastructure Strategy and Performance, 6) Enterprise Resiliency, 7) Water Resource Sustainability, and 8) Community Sustainability. He said the next steps include future adoption of detailed action plans, key performance indicators, key results, and a Board report card.

Mr. Reed Gibby said the approach to the Plan is fantastic and commended staff for the efforts that have gone into the update. He also suggested that more time could be spent on reviewing media coverage to better

understand customer satisfaction and on describing how the use of bonds will support the Plan.

Mr. Ruston thanked the Strategic Planning Committee and all those involved for their hard work updating the Plan. He said the aspirational aspects of the objectives are in place, but that it may be a challenge to capture pertinent key performance indicators and reports for the Board. He said key indicators will be important to map out for them to be sustainable and relevant for use by future Board members.

Ms. Dawn Ramsey also thanked everyone involved with the Plan update. She agreed with Mr. Rushton that the right key performance indicators will be needed. She noted that potential partnerships with Member Agencies and other stakeholders on initiatives is a great idea to help realize the Strategic Plan.

Ms. Sherrie Ohrn complimented staff on key points outlined in the Next Steps of the Strategic Plan. She stressed the importance of having detailed action plans to implement the Plan.

Mr. Rushton suggested changing the title of the Plan to be more indicative of its purpose to be used over time.

Mr. Zach Jacob suggested having a process for the document to change over time, such as Plan review and methods of making amendments being built into the Plan.

Ms. Barbara Townsend commented that the Next Steps could use more detail and information.

Adjourn

Mr. Rushton called for a motion to adjourn. Ms. Barbara Townsend moved to adjourn. Following a second by Ms. Sherrie Ohrn, the meeting adjourned at 4:08 p.m.

Corey L. Rushton, Chair of the Board of Trustees

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)

November 8, 2023

A regular Public Hearing/Board meeting of the Board of Trustees of the Jordan Valley Water Conservancy District was held both in person and electronically on Wednesday, November 8, 2023, at 3:00 p.m. at JVWCD'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
Zach Jacob
Karen D. Lang
Sherrie L. Ohrn
John H. Taylor
Barbara L. Townsend

Trustees Not Present:

Dawn R. Ramsey
Mick M. Sudbury

Staff Present:

Alan Packard, General Manager
Jacob Young, Deputy General Manager
Matt Olsen, Assistant General Manager
Shazelle Terry, Assistant General 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
Martin Feil, Database Administrator (electronic)
Kelly Good, Communications Division Manager
Ben Perdue, Property and Right-of-Way Manager (electronic)
Wade Tuft, Water Supply Manager
Kevin Rubow, Senior Engineer – Water Rights

Also Present:

Brandon Crookston, Water Manager, South Jordan City
Greg Davenport, Utility Director, West Jordan City
Alan Domonoske, Vice President, Carollo Engineers
Justun Edwards, Public Works Director, Herriman City (electronic)
Gary Henrie, Engineer, Bureau of Reclamation

Eric Hunter, Chapman and Cutler
Brien Maxfield, Senior Engineer, Draper City
Rob Moore, General Counsel, CUWCD
Nathan Olmedo, Documenter, Salt Lake Tribune
Ana Paz, Associate Engineer, South Jordan City (electronic)
David Robertson, Principal/Owner, LRB
Shawn Robinson, Director of Operations and Maintenance, Taylorsville-Bennion Improvement District (electronic)
Ron Stewart, Gilbert & Stewart
Dan Tracer, Assistant City Engineer, Bluffdale City (electronic)
Laura Vernon, Utah DNR, Division of Water Resources
Bret Wilson, Engineer, Northrup Grumman

Call to order and introduction of visitors

Mr. Corey Rushton, Chair, convened the public hearing of the Jordan Valley Water Conservancy District Board of Trustees at 3:00 p.m. on Wednesday, November 8, 2023, in the JWCD administration building located at 8215 South 1300 West in West Jordan, Utah. Mr. Rushton introduced the members of the Board and visitors who attended the meeting in person and electronically. Mr. Mick Sudbury and Ms. Dawn Ramsey were excused from the meeting. Mr. Rushton stated this public hearing was being held to receive public comments relating to the issuance of up to \$135 million of water revenue bonds; and related matters.

Public hearing relating to the issuance of up to \$135 million of water revenue bonds; and related matters

Verification of legal notification requirements

Mr. Rushton asked Mr. Mark Stratford, General Counsel, to report on verification of legal notification requirements for the public hearing. Mr. Stratford stated that notice was posted at the JWCD Administration and Education buildings, on the Utah Public Notice website, and the JWCD website. He stated that all requirements were met for legal notification as required by the Utah Code.

Motion to open public hearing and receive public comments

Mr. Rushton called for a motion to open the public hearing and receive public comments. Mr. John Taylor moved to open the public hearing and receive public comments. Following a second by Ms. Barbara Townsend, the motion was unanimously approved by those present as follows:

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

Comments from the Finance Committee Chair

Mr. John Taylor, Finance Committee Chair, said the issuance of bonds is critical for the continued operations of JWCD, and he expressed appreciation to staff and consultants for their work on this process.

Staff presentation on issuance of the bonds

Mr. David Martin, Chief Financial Officer, reviewed JWCD's financing strategy which includes water rates, impact fees, property taxes, and borrowing for capital projects as major sources of funding. He said JWCD's long term financing strategy has been to issue new money bonds every 2-3 years to finance projected capital projects. He shared information on JWCD's growth that has taken place which includes an increase in water deliveries from 85,000 acre-feet in 2000 to 101,000 acre-feet in 2023,

an average annual water rate increase of 3.6% from 2000 to 2023, and a rapid increase in fixed assets over those same years. Mr. Martin reviewed the capital funding plan which includes replacement projects funded through rates, capital needs for a growing service area, a projected \$467 million in capital costs needed over the next 10 years, and new bonds issued every 2-3 years.

Mr. Martin said the funds from the proposed issuance of bonds will be used to partially fund the JWTP expansion and seismic improvements, two new storage reservoirs, new wells and groundwater development, extension of a section of the Southwest Aqueduct, and other projects. He summarized the structure of the Series 2024A revenue bonds, which will be tax exempt, a fixed interest rate, a 30-year term, and a negotiated sale method will be used.

Mr. David Robertson, LRB Public Finance Advisors, gave a market update and presented information on the proposed bond issuance. He also gave information on Series 2014 bond refunding options, which he said would most likely provide the most savings if the refunding waited until next summer.

Questions from Trustees

There were no questions from Trustees.

Motion to open public comment session on issuance of the bonds

Mr. Rushton called for a motion to open the public comment session on issuance of the bonds. Ms. Barbara Townsend moved to open the public comment session. Following a second by Ms. Karen Lang, the motion was approved by those present as follows:

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

There were no public comments.

Motion to close public comments session

Mr. Rushton called for a motion to close the public comment session. Mr. Reed Gibby moved to close the public comment session. Following a second by Ms. Sherrie Ohrn, the motion was approved by those present as follows:

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

Staff response and summary

Mr. Alan Packard, General Manager, said that every two to three years JWCD issues new money bonds to support its capital funding plan which supports the growing needs of its Member Agencies. He expressed appreciation to the JWCD's consulting team for their work getting this bond issuance prepared.

Motion to close public hearing

Mr. Rushton called for a motion to close the public hearing. Mr. John Taylor moved to close the public hearing. Following a second by Ms. Karen Lang, the motion was approved by those present as follows:

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

Presentation by Laura Vernon, Great Salt Lake Basin Planner with the Division of Water Resources, about “Great Salt Lake Basin Integrated Plan”

Ms. Laura Vernon, Great Salt Lake Basin Planner with the Division of Water Resources, presented information regarding the Great Salt Lake Basin Integrated Plan. She reviewed the need for a plan; the integrated, collaborative approach being undertaken to develop a workplan; and the timeline for the workplan rollout.

Approval of common consent items

Mr. Rushton presented the minutes of the Executive Committee meeting held October 8, 2023, and the regular Board meeting held October 11, 2023. He also presented the October 2023 Trustees’ Expenses Report. Mr. Rushton called for a motion. Ms. Sherrie Ohrn moved to approve the minutes of the October 9th and October 11th meetings and the Trustees’ Expenses Report for October 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 – not present	Mr. Rushton – aye
Mr. Sudbury – not present	Mr. Taylor – aye
Ms. Townsend - aye	

Public comments

There were no public comments.

Presentation on the audit report by Gilbert & Stewart for fiscal year ending June 30, 2023

With no objection from the Board, the agenda was amended and Agenda Item No. 9.b. was brought forward on the agenda.

Mr. Ron Stewart, Gilbert & Stewart, reviewed what was included in the audit process and stated that there are three objectives pertaining to the audit: 1) to determine if the numbers reported on the financial statements are accurate and materially correct, 2) to determine if internal controls are in place and working properly, and 3) to determine if JVVCD is compliant with state rules and regulations. He stated that the unmodified opinion expressed by Gilbert & Stewart in the firm’s audit report is that the financial statements present fairly, in all material respects, the financial position of the business type activities of JVVCD as of June 30, 2023. He reviewed some of the various documents and procedures that are reviewed or tested during the audit. Mr. Stewart said that in the evaluation of JVVCD’s internal controls, Gilbert & Stewart did not find any significant deficiencies or material weaknesses, and JVVCD met all compliance requirements in Utah law. There were no issues or findings.

Core Mission Reports	Mr. Alan Packard, General Manager, reviewed the Municipal and Industrial (M&I) Water Deliveries report through October 2023, and the Wholesale Contract Progress report for each Member Agency.
Water supply update	Mr. Wade Tuft, Water Supply Manager, gave the 2023 Water Year Report which included Provo River Reservoirs Update and M&I Water Sources used during the water year. He provided 5-year history for Utah Lake, Deer Creek Reservoir, Jordanelle Reservoir water levels. Mr. Tuft also reviewed the water supply sources from the water year November 1, 2022, through October 31, 2023.
Water quality update	Ms. Shazelle Terry, Assistant General Manager, highlighted water quality information which was included in the recently completed Summary of Operations for fiscal year 2023. She provided information on wholesale water deliveries, the amount of groundwater used, and treatment facilities volumes. Ms. Terry provided water quality information including turbidity, chlorine disinfection, disinfection by-products, microbiological and chlorine residual compliance, and fluoride. She also provided information on the total number of samples collected and analyzed by the Jordan Valley Lab. Ms. Terry expressed appreciation for maintenance staff and the work they perform and said operations and water quality staff cannot do their jobs without well maintained equipment and facilities.
Standing Committee Reports	Mr. Brian McCleary, Controller, reviewed the Financial Report for September 2023. He pointed out the Fiscal Year-To-Date Revenues and Fiscal Year-To-Date Expenses and Net Revenues are right in line with what was budgeted. He explained that the Net Revenues after Debt Service is negative due to a Bond Debt Service payment of \$17.5 million which occurred in September.
Finance update	
Conservation update	Mr. Matt Olsen, Assistant General Manager, reported on work that Maintenance and Conservation staff have been collaborating on at a JWCD facility located at 2300 East and 9800 South in Sandy. This site has over nine acres of landscaping, with most of it consisting of grass. The goal of this project has been to reduce water use at the site through a series of irrigation and landscaping improvements. As a result of these efforts, the annual water use has consistently been reduced each year, with last year showing a reduction of approximately three million gallons annually which is 70% less than when the effort began. This project shows the importance of focusing on JWCD facilities that need landscaping updates and retrofits and the importance of implementing solutions such as smart irrigation controllers, irrigation repairs, and water audits. He expressed appreciation to staff who worked to coordinate this project and said he hopes it can be a model for other sites in the future.
Consider approval of Board and Committee meetings' schedule for 2024	Ms. Beverly Parry, Executive Assistant, reviewed the proposed 2024 meeting schedule. She recommended approval of the Board and Committee meetings' schedule for 2024.

Mr. Rushton called for a motion on the recommendation. Mr. John Taylor moved to approve the Board and Committee meetings' schedule for 2024. 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 – not present	Mr. Rushton – aye
Mr. Sudbury – not present	Mr. Taylor – aye
Ms. Townsend - aye	

Financial Matters

Consider adoption of Resolution No. 23-20, "Authorizing the issuance of up to \$135 Million of Water Revenue Bonds; and Related Matters"

Mr. Martin invited Mr. Eric Hunter, Chapman and Cutler, to give a summary of Resolution No. 23-20 regarding the issuance of water revenue bonds. Mr. Hunter explained that the resolution supplements the master resolution that was adopted in 1987 which authorizes the issuance of bonds, defines the terms of provisions, outlines redemptions, pledges revenues, establishes covenants, etc. This master bond resolution has been amended over the years as needed; and for each new bond issuance, a delegating resolution needs to be adopted. He reviewed what Resolution No. 23-20 authorizes as a delegating resolution for the proposed bond issuance. Mr. Martin recommended adoption of Resolution No. 23-20, "Authorizing the Issuance and Sale of up to \$135 Million of Water Revenue Bonds; and Related Matters."

Mr. Rushton called for a motion on the recommendation. Ms. Sherrie Ohrn moved to adopt Resolution No. 23-20, "Authorizing the Issuance and Sale of up to \$135 Million of Water Revenue Bonds; and Related Matters." Following a second by Ms. Karen Lang, the motion was approved by those present as follows:

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

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"

Mr. Martin stated that after the audit report is completed, an annual transfer is proposed from the Revenue Fund to other funds, such as the Capital Projects and other reserve funds. He reviewed the timeline of the budget and year-end transfer, the budget strategy and use of reserve funds, and the proposed transfer amounts. This year will include a transfer to the Short-Term Operating Reserve Fund, which will be a new fund and sub-account of the Revenue Stabilization Fund and includes PayGo Capital generated from fiscal year 2023 O&M expenditures and Debt Service payments being less than budgeted. Mr. Martin said that after the proposed transfer, the combined balance of the Revenue Stabilization Fund and Short-Term Operating Reserve Fund would be \$6.3 million.

Mr. Martin recommended transferring funds from the Revenue Fund to the following funds: \$1,554,301 to the Capital Projects Fund, \$14,155,949 to the Replacement Reserve Fund, \$205,960 to the Development Fee Fund, \$900,000 to the General Equipment Fund, \$100,000 to the Emergency Reserve/Self-Insurance Fund, \$200,000 to the Operation and Maintenance Fund, and \$3,386,936 to the Short-Term Operating Reserve Fund. There

is no proposed transfer to the Revenue Stabilization Fund due to net operating revenues being less than budgeted.

Mr. Martin recommended 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."

Mr. Rushton called for a motion on the recommendation. Ms. Barbara Townsend moved to adopt Resolution No. 23-21, "Authorizing a Transfer of Funds from the Revenue Fund to the Capital Projects Fund and Other Designated Reserve Funds." 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 – not present	Mr. Rushton – aye
Mr. Sudbury – not present	Mr. Taylor – aye
Ms. Townsend - aye	

Engineering activities

Consider authorization to award a construction contract for 1362 East 6400 South Well Rehabilitation

Mr. Jacob Young, Deputy General Manager, said the pumping equipment at the well located at 1362 East 6400 South experienced mechanical failure in January 2023 and is currently in need of replacement. The project work will 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. Mr. Young recommended authorization to award a construction contract for 1362 East 6400 South Well Rehabilitation to Widdison Well Services in the amount of \$544,966.

Mr. Rushton called for a motion on the recommendation. Ms. Sherrie Ohrn moved to authorize award of a construction contract to Widdison Well Services in the amount of \$544,966 for 1362 East 6400 South Well Rehabilitation. 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 – not present	Mr. Rushton – aye
Mr. Sudbury – not present	Mr. Taylor – aye
Ms. Townsend - aye	

Consider approval of engineering contract amendment for 3300 South Pipeline Project

Mr. Young said the second phase of the 3300 South Pipeline Replacement project was originally put out for bid in the Winter of 2022, and no bids were received. Consequently, staff reconfigured the project into three schedules and put it out for bid once again. Bids were received and contractors were selected to meet the three schedules. Staff realized this would require additional funding for construction management services due to the complexities of working with three separate contractors, constraints required by UDOT, and work by a contractor that will extend into Spring. Mr. Young recommended approval of an engineering contract amendment for the 3300 South Pipeline Project in the amount of \$271,869 in additional funding.

Mr. Rushton called for a motion on the recommendation. Mr. Reed Gibby moved to approve an engineering contract amendment for 3300 South Pipeline Project in the amount of \$271,869 in additional funding. Following a second by Ms. Karen Lang, the motion was approved by those present as follows:

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

**Consider approval of
Third Joint
Agreement with
Hexcel Corporation
and Kearns
Improvement District**

Mr. Packard said that JVVCD’s existing water purchase agreement with Hexcel Corporation (Hexcel), also known as “Second Joint Agreement,” expires December 31, 2023. He said this agreement is unusual in that it is fixed term, and it is a joint agreement in which Kearns Improvement District (KID) is part of the agreement. He explained that when the original agreement was drafted, it was with the expectation that JVVCD would not be a permanent water supplier to Hexcel. The agreement includes provisions for when Hexcel takes more than 120% above the minimum purchase amount, that KID will provide the additional needed water supply. Earlier this year, JVVCD 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. This Third Joint Agreement will have a five year term and includes the same minimum purchase amount (720 acre-feet) as the existing agreement.

Mr. Packard recommended approval of the Third Joint Agreement with Hexcel Corporation and Kearns Improvement District subject to non-substantial revision approved by the General Counsel and General Manager.

Mr. Rushton called for a motion on the recommendation. Ms. Sherrie Ohrn moved to approve of the Third Joint Agreement with Hexcel Corporation and Kearns Improvement District subject to non-substantial revision approved by General Counsel and General Manager. 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 – not present	Mr. Rushton – aye
Mr. Sudbury – not present	Mr. Taylor – aye
Ms. Townsend - aye	

**Consider approval of
amendment to water
purchase agreement
with Granger-Hunter
Improvement District**

Mr. Packard said that in accordance with JVVCD’s new policy changes that were adopted in October that allows more opportunities for Member Agencies to reduce their minimum purchase volume, Granger-Hunter Improvement District (GHID) submitted a request to reduce their minimum purchase amount by 1,500 acre-feet. The minimum purchase volume would be reduced from 18,500 to 17,000 acre-feet, and the amendment would make that change effective in 2023. Mr. Packard said those policy changes were made to assure that the contracted minimum purchase volumes are not a barrier to achieving long-term water conservation. It also enables Member Agencies to make short-term changes in response to drought

where JVVCD might have a restricted water supply and need to reduce deliveries to Member Agencies. Mr. Packard recommended approval of an amendment to a water purchase agreement with Granger-Hunter Improvement District and authorize the General Manager and General Counsel to make minor revisions.

Mr. Rushton called for a motion on the recommendation. Mr. John Taylor moved to approve an amendment to a water purchase agreement with Granger-Hunter Improvement District and authorize the General Manager and General Counsel to make minor revisions. 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 – not present	Mr. Rushton – aye
Mr. Sudbury – not present	Mr. Taylor – aye
Ms. Townsend - aye	

Reporting Items

Mr. Packard reviewed the routine reporting items which included: Central Utah Project/CUWCD activities report, facilities rental agreements signed by the General Manager, performance indicators for September 2023, and media coverage. Mr. Shane Swensen, Engineering Department Manager and Chief Engineer, reported on a final project completion report for the JVVTP Blower Room Acoustical Improvements.

Upcoming meetings

Mr. Rushton reviewed the upcoming meetings including the Conservation Committee meeting, Monday, December 4 at 3:00 p.m.; Executive Committee meeting, Monday, December 4 at 3:30 p.m.; and regular Board meeting, Wednesday, December 6 at 3:00 p.m.

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

Mr. Rushton recommended cancelling the Conservation and Executive Committee meetings scheduled for Monday, December 4 and the regular Board meeting scheduled for Wednesday, December 6. Ms. Barbara Townsend moved to cancel the meetings scheduled for December 4th and 6th. 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 – not present	Mr. Rushton – aye
Mr. Sudbury – not present	Mr. Taylor – aye
Ms. Townsend - aye	

Closed meeting

Mr. Rushton proposed to convene a closed meeting at 5:26 p.m. to discuss character and professional competency of an individual. Mr. John Taylor moved to go into closed session for the discussion. Following a second by Ms. Karen Lang, the motion was approved by those present as follows:

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

The closed meeting convened at 5:32 p.m. with the following Trustees present: Mr. Reed Gibby, Mr. Zach Jacob, Ms. Karen Lang, Ms. Sherrie Ohrn, Mr. Corey Rushton, Mr. John Taylor, and Ms. Barbara Townsend. Also present were: Alan Packard, General Manager; Jacob Young, Deputy General Manager; Matt Olsen, Assistant General Manager; Shazelle Terry, Assistant General Manager; Dave Martin, Chief Financial Officer; Mark Stratford, General Counsel; and Beverly Parry, Executive Assistant.

Matt Olsen, Shazelle Terry, Dave Martin, and Beverly Parry were excused from the meeting at 5:53 for the discussion of character and professional competency of an individual. Mr. Zach Jacob left the meeting at 5:53 p.m.

No votes or actions were taken during the closed meeting.

Open meeting

The open meeting reconvened at 6:26 p.m.

Adjourn

Mr. Rushton called for a motion to adjourn. Ms. Barbara Townsend moved to adjourn. Following a second by Mr. Reed Gibby, the meeting adjourned at 6:27 p.m.

Corey L. Rushton, Chair of the Board of Trustees

Alan E. Packard, District Clerk

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

DECEMBER 2023

Meeting	CRWUA December 6, 2023	CRWUA December 5, 2023	CRWUA December 4, 2023		Per Diem To Date for 2023 (Maximum 12)	Total Miles	Mileage \$.62 per mile	Total Per Diem	Total Amount
Trustee									
Gibby, Reed	X	X	X		12	0.0	\$0.00		\$0.00
Jacob, Zach					12	0.0	\$0.00		\$0.00
Lang, Karen					12	0.0	\$0.00	\$420.00	\$420.00
Ohrn, Sherrie					12	0.0	\$0.00		\$0.00
Ramsey, Dawn					12	0.0	\$0.00	\$300.00	\$300.00
Rushton, Corey	X	X	X		12	0.0	\$0.00	\$840.00	\$840.00
Sudbury, Mick					0	0.0	\$0.00		\$0.00
Taylor, John					12	0.0	\$0.00	\$720.00	\$720.00
Townsend, Barbara					12	0.0	\$0.00	\$540.00	\$540.00
Total									\$2,820.00

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

NOVEMBER 2023

Meeting			Executive Committee Meeting November 6, 2023	Board Meeting November 8, 2023	Per Diem To Date for 2023 (Maximum 12)	Total Miles	Mileage \$.62 per mile	Total Per Diem	Total Amount
Trustee									
Gibby, Reed			X	X	12	60.0	\$37.20	\$ -	\$37.20
Jacob, Zach				X	12	14.0	\$8.68	\$ 180	\$188.68
Lang, Karen			X	X	12	42.0	\$26.04	\$ 120	\$146.04
Ohrn, Sherrie			X	X	12	54.0	\$33.48	\$ 180	\$213.48
Ramsey, Dawn					12	0.0	\$0.00	\$ -	\$0.00
Rushton, Corey			X	X	12	40.0	\$24.80	\$ -	\$24.80
Sudbury, Mick			X		0	29.0	\$17.98	\$ -	\$17.98
Taylor, John			X	X	12	17.2	\$10.66	\$ -	\$10.66
Townsend, Barbara			X	X	12	40.0	\$24.80	\$ -	\$24.80
Total									\$663.64

CORE MISSION REPORTS

WATER SUPPLY UPDATE

JORDAN VALLEY WATER CONSERVANCY DISTRICT

Monthly Summary of Water Deliveries in Acre Feet

December 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	131.02	140.38	-7%	3,369.47	3,379.15	0%	2,007.75	1,988.73	1%
Copperton Improvement District	0.00	0.00		10.95	29.23	-63%	10.95	29.23	-63%
Draper City	133.98	135.13	-1%	4,197.63	4,245.47	-1%	2,629.89	2,637.19	0%
Granger-Hunter Improvement District	620.53	815.88	-24%	18,292.31	19,329.82	-5%	10,867.29	11,513.70	-6%
Herriman City ³	234.87	139.64	68%	6,013.31	5,865.98	3%	4,099.97	3,619.59	13%
Hexcel Corporation	84.26	61.02	38%	948.26	836.76	13%	468.31	453.86	3%
Kearns Improvement District	359.40	378.93	-5%	7,247.95	7,379.35	-2%	4,435.79	4,405.55	1%
Magna Water District	71.12	57.92	23%	813.38	788.72	3%	405.39	390.64	4%
Midvale City	200.18	203.50	-2%	3,053.13	3,091.51	-1%	1,725.05	2,121.72	-19%
Riverton City	373.30	335.75	11%	5,476.04	5,003.68	9%	3,036.22	2,780.21	9%
South Jordan City ³	558.03	548.24	2%	16,371.66	16,534.96	-1%	10,188.21	10,298.16	-1%
City of South Salt Lake	89.82	85.24	5%	1,150.29	925.98	24%	498.66	421.73	18%
Taylorville-Bennion Improvement District	508.47	376.22	35%	4,701.17	4,699.71	0%	2,297.48	2,421.04	-5%
Utah Div. of Fac. Const. and Mgmt.	1.71	22.89	-93%	182.48	355.34	-49%	66.24	111.51	-41%
WaterPro, Inc.	0.01	27.19	-100%	1,256.20	1,233.69	2%	829.29	702.20	18%
City of West Jordan ³	866.86	874.60	-1%	20,089.36	20,779.54	-3%	12,466.40	12,713.19	-2%
White City Water Improvement District	0.00	0.00		0.00	0.00		0.00	0.00	
Willow Creek Country Club ⁶	0.17	0.18	-8%	274.94	301.95	-9%	176.86	205.05	-14%
Wholesale System Subtotal	4,233.72	4,202.71	1%	93,448.56	94,780.82	-1%	56,209.75	56,813.28	-1%
Retail System ²	359.64	323.85	11%	7,500.51	7,184.16	4%	4,585.56	4,402.10	4%
Total Wholesale & Retail	4,593.36	4,526.56	1%	100,949.06	101,964.98	-1%	60,795.32	61,215.39	-1%

Other M&I Deliveries

MWDSLS (Treated and Transported) ⁴	525.72	394.16	33%	9,540.61	10,783.74	-12%	6,657.74	7,224.05	-8%
District Use (Non-revenue) ⁵	27.56	27.16	1%	605.69	611.79	-1%	364.77	367.29	-1%
Other M&I Subtotal	553.28	421.32	31%	10,146.30	11,395.53	-11%	7,022.51	7,591.34	-7%
Total M&I Deliveries	5,146.64	4,947.87	4%	111,095.37	113,360.51	-2%	67,817.82	68,806.73	-1%

Irrigation and Raw Water Deliveries

Welby Jacob Water Users	0.00	0.00		24,489.03	23,302.97	5%	16,199.24	14,091.90	15%
Total Irrigation and Raw Water	0.00	0.00		24,489.03	23,302.97	5%	16,199.24	14,091.90	15%
Total Deliveries	5,146.64	4,947.87	4%	135,584.40	136,663.48	-1%	84,017.06	82,898.62	1%

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

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

³ Contract amount is minimum purchase plus remediated water.

⁴ Water treated and transported for MWDSLS by JVWCD is delivered to Salt Lake City at 2100 South.

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

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

Jordan Valley Water Conservancy District

Wholesale Contract Progress (af)

December 2023

■ Actual % of Contract
■ Projected³ % of Contract

Agency Name	Contract Type	Actual % of Contract	Projected ³ % of Contract
Bluffdale City	Conventional	Contract: 3,600 (af) Actual: 3,369 (af) (94%) Projected: 3,369 (af) (94%)	
	Deferred Water ⁴	Contract: 71 (af) Actual: 0 (af) (0%)	
Draper City	Conventional	Contract: 3,800 (af) Actual: 4,198 (af) (110%) Projected: 4,198 (af) (110%)	
Granger-Hunter Improvement District	Conventional	Contract: 17,000 (af) Actual: 18,292 (af) (108%) Projected: 18,292 (af) (108%)	
Herriman City	Conventional	Contract: 5,200 (af) Actual: 5,404 (af) (104%) Projected: 5,404 (af) (104%)	
	Deferred Water ⁴	Contract: 8 (af) Actual: 8 (af) (100%)	
	Remediated ²	Contract: 667 (af) Actual: 601 (af) (90%) Projected: 601 (af) (90%)	
Hexcel Corporation	Conventional	Contract: 720 (af) Actual: 864 (af) (120%) Projected: 864 (af) (120%)	
Kearns Improvement District	Conventional	Contract: 7,500 (af) Actual: 7,332 (af) (98%) Projected: 7,332 (af) (98%)	
Magna Water District	Conventional	Contract: 800 (af) Actual: 802 (af) (100%) Projected: 802 (af) (100%)	
	Deferred Water ⁴	Contract: 11 (af) Actual: 11 (af) (100%)	
Midvale City	Conventional	Contract: 3,085 (af) Actual: 3,053 (af) (99%) Projected: 3,053 (af) (99%)	
Riverton City	Conventional	Contract: 4,000 (af) Actual: 5,476 (af) (137%) Projected: 5,476 (af) (137%)	
South Jordan City	Conventional	Contract: 15,000 (af) Actual: 15,172 (af) (101%) Projected: 15,172 (af) (101%)	
	Remediated ²	Contract: 1,333 (af) Actual: 1,200 (af) (90%) Projected: 1,200 (af) (90%)	
City of South Salt Lake ¹	Conventional	Contract: 1,020 (af) Actual: 499 (af) (49%) Projected: 1,008 (af) (99%)	
Taylorsville-Bennion Improvement District	Conventional	Contract: 4,700 (af) Actual: 4,701 (af) (100%) Projected: 4,701 (af) (100%)	
	Deferred Water ⁴	Contract: 0 (af) Actual: 0 (af) (100%)	
Utah Division of Facilities Construction and Management	Conventional	Contract: 548 (af) Actual: 182 (af) (33%) Projected: 182 (af) (33%)	
	Deferred Water ⁴	Contract: 82 (af) Actual: 0 (af) (0%)	
WaterPro, Inc.	Conventional	Contract: 950 (af) Actual: 1,256 (af) (132%) Projected: 1,256 (af) (132%)	
City of West Jordan	Conventional	Contract: 18,500 (af) Actual: 18,739 (af) (101%) Projected: 18,739 (af) (101%)	
	Remediated ²	Contract: 1,500 (af) Actual: 1,350 (af) (90%) Projected: 1,350 (af) (90%)	

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

²Remediated water is credited first as it becomes available.

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

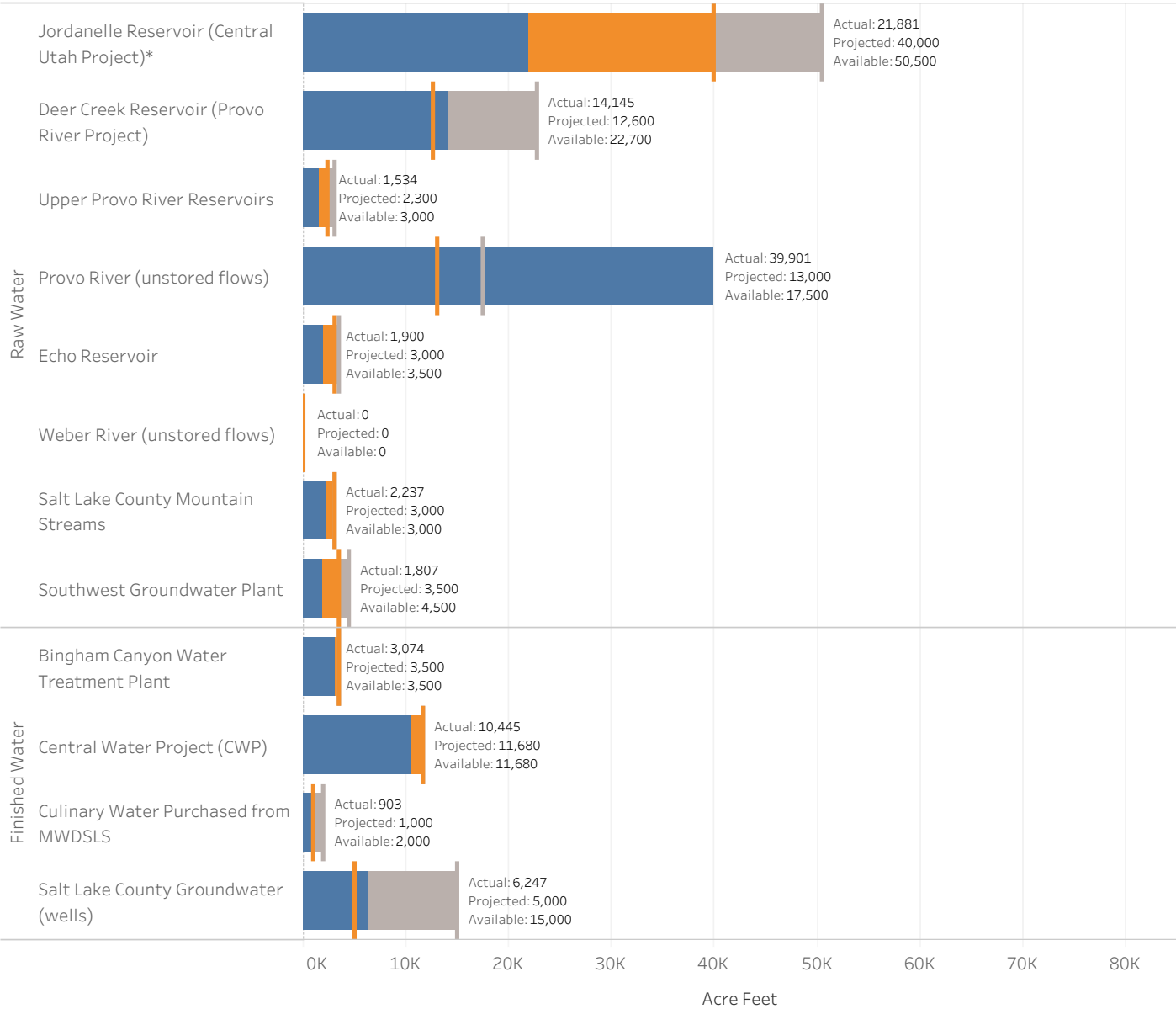
⁴Non-delivered portion of minimum purchase contract that may be deferred to future years as outlined in Section 1.8 of the Rules and Regulations for Wholesale Water Service.

Jordan Valley Water Conservancy District

Actual
Projected
Available

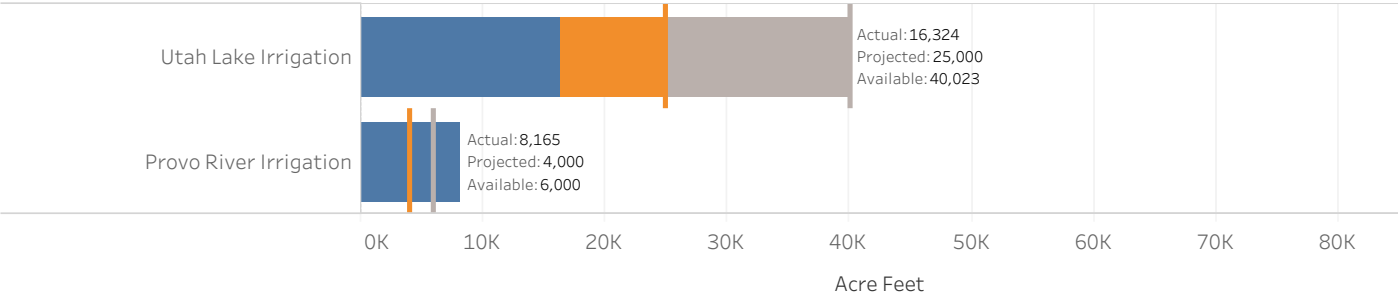
M&I Water Sources

Water Year 2023 (November 1, 2022 - October 31, 2023)



Irrigation Water Sources

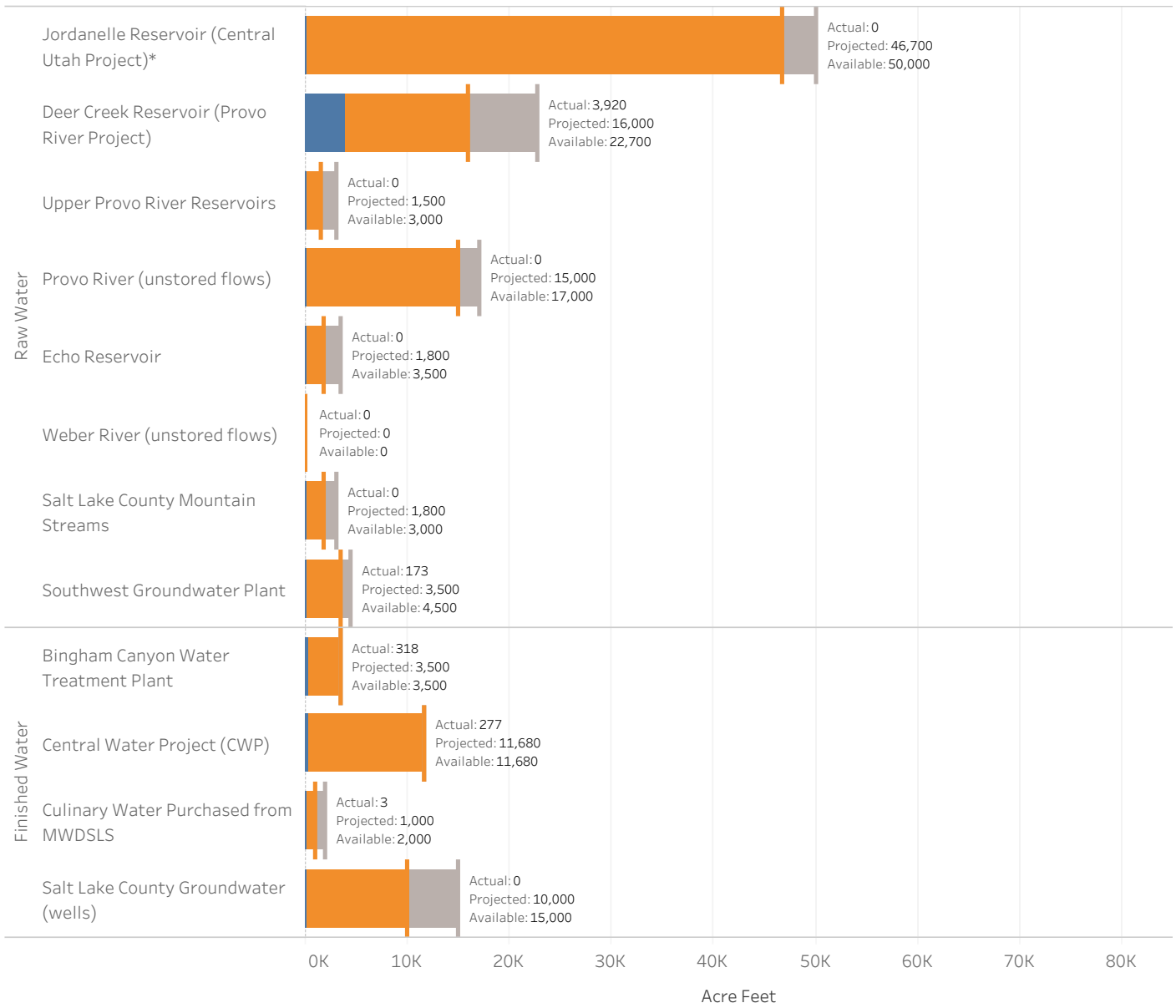
Irrigation Season 2023 (April 15, 2024 - October 15, 2024)



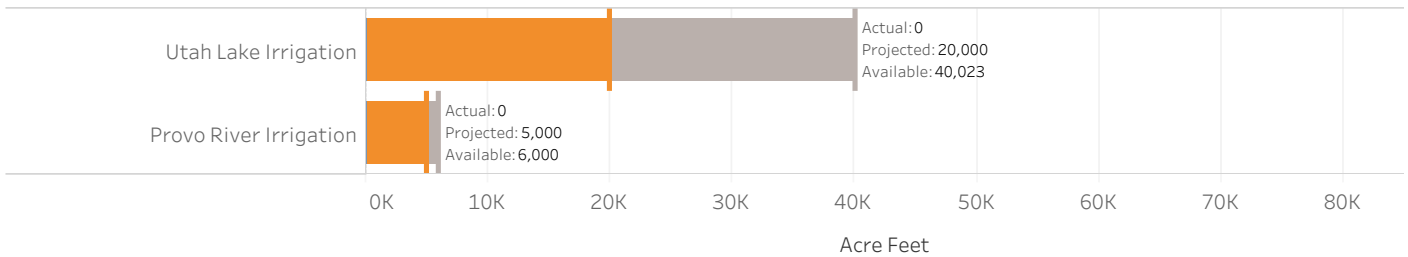
Jordan Valley Water Conservancy District

M&I Water Sources (November 30, 2023)
Water Year 2024 (November 1, 2023 - October 31, 2024)

Actual
Projected
Available



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



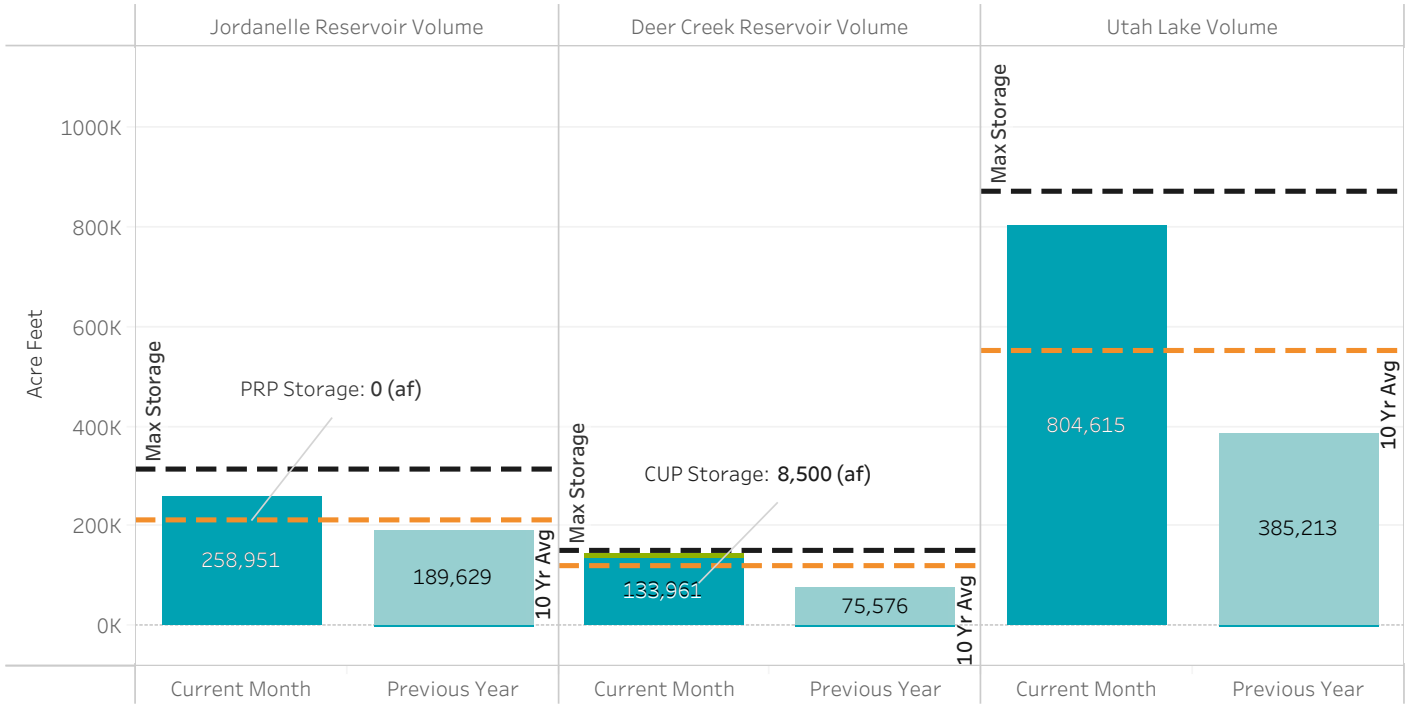
*Central Utah Project may include holdover water from the previous year.

Jordan Valley Water Conservancy District

Provo River Reservoirs Update

January 1, 2024

■ Current Month
■ Other Storage
■ Previous Year



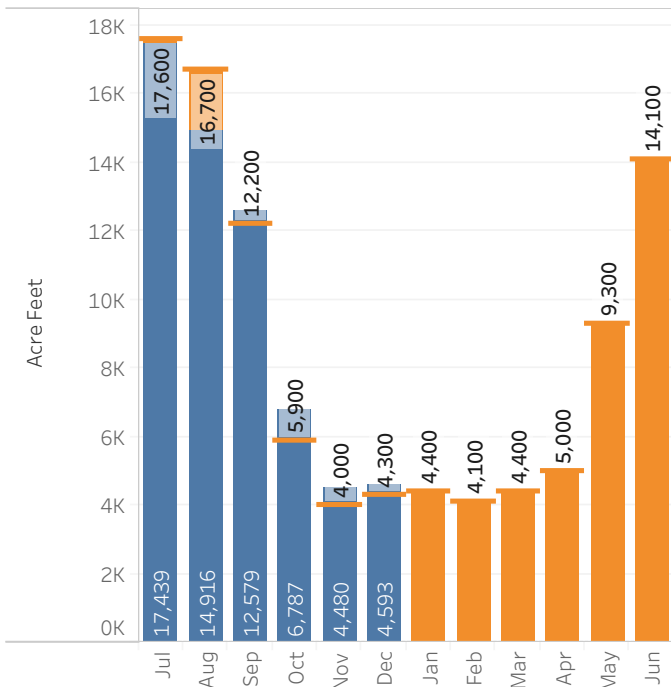
10 Yr Avg for Jordanelle Reservoir may not include all ten years. The available data for Jordanelle Reservoir begins with April, 2014.

Wholesale + Retail Actual & Projected Deliveries

FY 2024

Through December 2023

■ Actual
■ Projected



Water Outlook Update

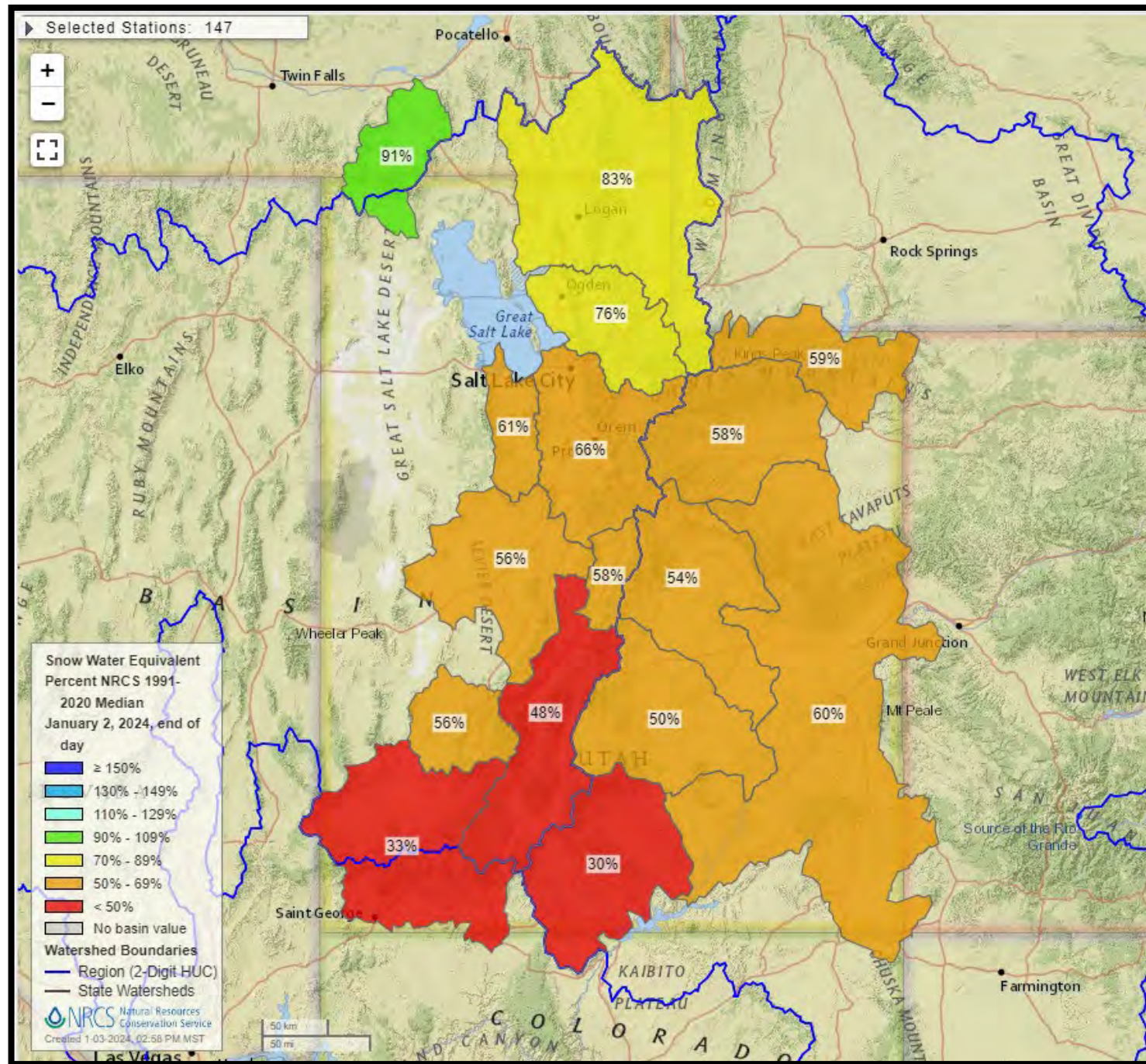
(Provo River - Utah Lake - Jordan River)

January 2, 2024

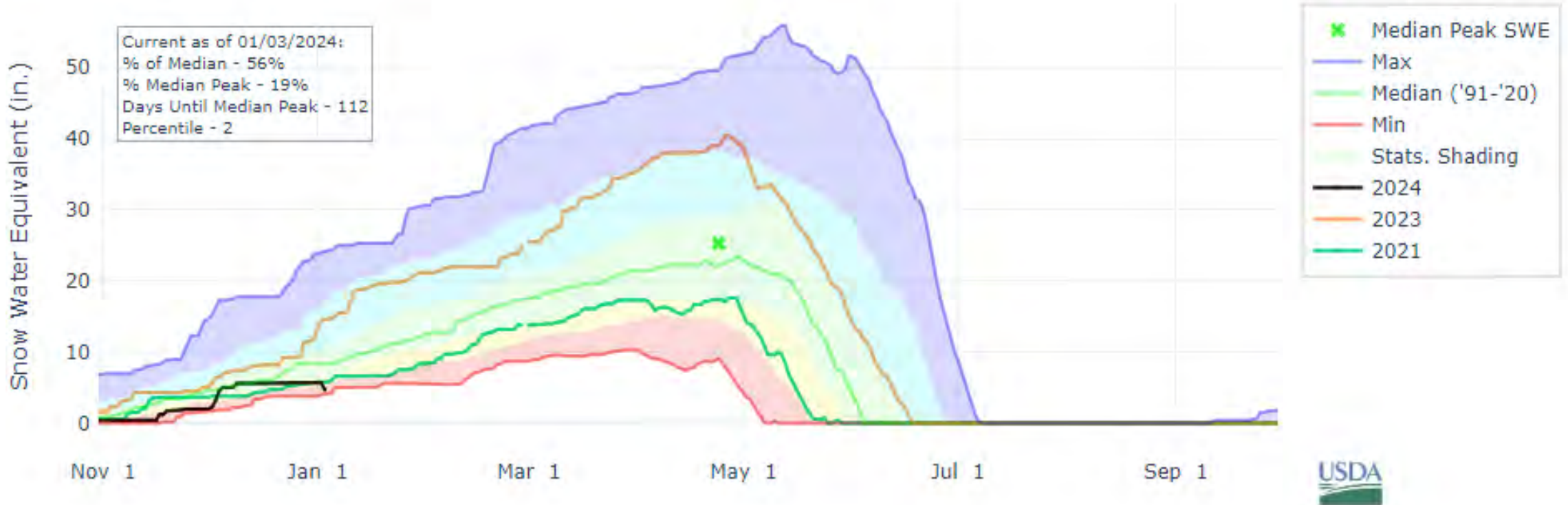
BASIN		SNOW WATER EQUIVALENT			TOTAL PRECIPITATION		
Site Name	Elev (ft)	Current	Median	% of Median	Current	Avg	% of Avg
Beaver Divide	8,280	2.7	4.4	61%	6.3	7.4	85%
Brighton	8,766	6.0	8.4	71%	9.0	12.0	75%
Cascade Mountain	7,774	4.7	8.2	57%	9.3	10.5	89%
Clear Creek #1	8,975	2.8	6.1	46%	6.5	8.8	74%
Clear Creek #2	7,837	1.7	4.8	35%	5.8	7.2	81%
Daniels-Strawberry	8,008	3.4	5.6	61%	5.6	8.2	68%
Dry Fork	7,093	4.5	5.8	78%	7.9	9.0	88%
Lookout Peak	8,161	8.2	9.2	89%	12.8	13.8	93%
Louis Meadow	6,700	6.7	8.1	83%	12.2	10.7	114%
Mill-D North	8,963	6.8	8.8	77%	10.8	11.3	96%
Parleys Summit	7,585	4.4	6.2	71%	9.6	9.8	98%
Payson R.S.	8,044	3.0	5.6	54%	5.2	7.2	72%
Snowbird	9,177	11.5	11.6	99%	15.0	16.0	94%
Timpanogos Divide	8,140	3.7	7.0	53%	8.4	10.8	78%
Trial Lake	9,992	4.7	8.4	56%	6.3	10.0	63%
Basin Index (%)				69%	86%		

-M = Missing Data
 * = Analysis may not provide a valid measure of conditions
 R = Rough, <10 years of data available
 C = Conditional, only 10-19 years

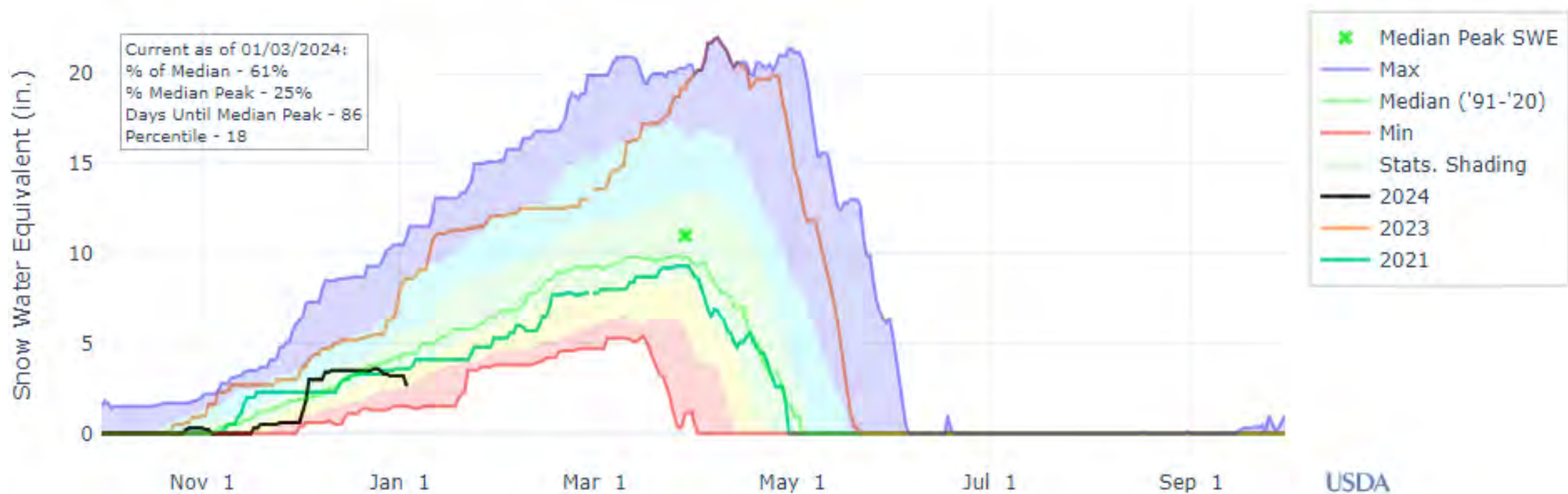
SWE % of Median by Watershed Basin



TRIAL LAKE, UT (828) SNOW WATER EQUIVALENT



BEAVER DIVIDE, UT (330) SNOW WATER EQUIVALENT



WATER QUALITY UPDATE



JORDAN VALLEY WATER
CONSERVANCY DISTRICT

Board Meeting
January 10, 2024

Water Quality Update

Lead and Copper Rule Improvements



Background

The Lead and Copper Rule Revisions (LCRR)

- The Original Lead and Copper Rule (LCR) was published in 1991
- The Lead and Copper Rule Revisions (LCRR) was published on January 15, 2021
- Subsequently, the Agency reviewed the 2021 LCRR in accordance with Executive Order 13990 and concluded that there were significant opportunities to improve the LCRR including:
 - Proactive and equitable lead service line replacement,
 - Strengthening compliance tap sampling to better identify communities most at risk of lead in drinking water and to compel lead reduction actions, and
 - Reducing the complexity of the regulation by improving the action and trigger level construct.



2023 Proposed Lead and Copper Rule Improvements (LCRI)



5 Key Provisions in the Proposed LCRI

1. Achieving 100% Lead Pipe Replacement within 10 years
2. Locating Legacy Lead Pipes
3. Improving Tap Sampling
4. Lowering the Lead Action Level
5. Strengthening Protections to Reduce Exposure



1. Achieving 100% Lead Pipe Replacement within 10 years

- When lead service lines are present, they represent the greatest source of lead exposure in drinking water.
- The proposed LCRI would require all water systems to replace lead services lines under their control, with the vast majority completing replacement within 10 years.
- While corrosion control can be effective at reducing lead exposure, removing lead pipes provides even greater public health protection by eliminating the key source of lead.



2. Locating Legacy Lead Pipes

- Knowing where lead pipes are is critical to replacing them efficiently and equitably.
- Water systems are currently required, under the 2021 LCRR, to provide an initial inventory of their lead service lines by October 16, 2024.
- Under the proposed LCRI, all water systems would be required to regularly update their inventories, validate their inventories, create a service line replacement plan, and identify the materials of all service lines of unknown material.



Example of Hard Copy From 1956

SALT LAKE COUNTY WATER CONSERVANCY DISTRICT
SALT LAKE CITY, UTAH

Acct-2427

<input checked="" type="checkbox"/> NEW SERVICE	NAME <u>CURTIS Cloyd T.</u>	DATE ISSUED <u>July 10, 1956</u> 00057
<input type="checkbox"/> WORK ORDER	ADDRESS OF WORK <u>6817 South 1300 East</u>	DATE STARTED <u>8/2/56</u>
	BILLING NAME <u>Same</u>	DATE COMPLETED <u>8/2/56</u>
	BILLING ADDRESS <u>1351 East 6860 South</u>	PREPARED BY:
	CITY <u>Hurray, Utah</u>	OFF. <u>Alice</u> FIELD <u>207</u>

MATERIAL	UNIT	PRICE	AMOUNT
METER	1		
PIPE			
<u>3" copper tubing</u>	<u>47'</u>		
CORP. STOP	1		
METER YOKK	1		
METER BOX	1		
METER BOX COVER	1		
OTHER:			
<u>Welder</u>	<u>1 hr</u>		
TOTAL MATERIAL			
EQUIPMENT			
<u>Bank fee</u>	<u>8.00</u>		
TOTAL EQUIPMENT			
LABOR			
<u>2.00 hr</u>	<u>7.00</u>		
TOTAL LABOR			
TOTAL COST			

Sketch of Meter Location and Tie

99.3
79.7
20.6

STREET CUT	
CONCRETE	<u>BLACK TOP 2' x 2'</u>
GRAVEL	OTHER

CHECK LIST	
APPLICATION SIGNED	<u>Yes</u>
MAILING PLATE	<u>Yes OK</u>
VISI RECORD	<u>Yes</u>
METER READING CARD	<u>OK OK</u>
PLATTED & STATIONED	<u>216 + 19" OK OK Jun 55</u>
ACCOUNT CARD & JOURNAL	
ACCOUNT NUMBER	<u>0220 - 27500</u>
METER LOCATION CARD	
CUSTOMER INDEX CARD	

REMARKS: New connection at above address connection fee paid in full. Install meter when connection is made.

46.5
27



Do you know if there is lead
in your water service line?



We don't know either...
but we need to!

New EPA regulations require that
water providers compile an inventory
of water service line materials that will
help identify and replace any lines
that contain lead.



Scan the QR Code to fill out
our survey or learn more!



8215 South 1300 West
West Jordan, UT 84088

Why do we need your help?

When it comes to lead (and everything else) you can be confident using the water we provide! However, when lead is found in drinking water, older service lines are a common source. Depending on when your home was constructed it's possible yours contains lead. As your water provider, new EPA regulations require us to inventory your service line materials to help identify and replace any that contain lead.

We are responsible for your service line from the water main to the water meter (we've got that covered). Since you're responsible for the line from the water meter up to and inside your home, we need you to fill out a quick survey to let us know what it is made of. If you already know that is great, if not you can just snap a photo and we will help!



Scan the QR Code to fill out
our survey or learn more!



Lead

Lead is a naturally occurring metal that can be present in drinking water.

Introduction

Access to safe and clean drinking water is fundamental to our well-being, yet concerns about the presence of lead in drinking water have been a recurring issue. Lead contamination in drinking water can have serious health implications, particularly for infants, young children, and pregnant women. It's crucial to be informed and proactive when it comes to ensuring the purity of your tap water.



JVWCD is committed to providing safe and reliable drinking water. We regularly test for lead in our water system and to date it has always been within acceptable limits. However, lead can get into water as it sits in or passes through the internal plumbing or fixtures of your home or business depending on the materials used and year of construction. Older buildings are more likely to have plumbing systems that contain lead.

Lead Service Line Inventory

Typically, JVWCD is responsible for the infrastructure from the water main to the water meter, and the homeowner is responsible for everything from the meter into their home. However, because we need to collect information about both the public and private sides, we will need your help gathering the information for this database. If your home was built prior to 1989, please complete the survey below to help identify your residence service line.

[Take A Survey](#)

Learn More

- JVWCD's Consumer Confidence Report
- Salt Lake County Drinking Water
- CDC's Childhood Lead Poisoning Prevention Program
- Information on EPA's Lead and Copper Rule

Questions? Contact us at 801-446-2000 or send us an email by using our contact form by selecting "Water Quality" as the subject.

WATER RESOURCES

[Our Water](#)

[Consumer Confidence Report](#)

[Water Sources](#)

[Emerging Issues](#)

[Water Quality in the Home](#)

[Fluoridation](#)

[Lead and Copper](#)

[Taste and Odor](#)

[Cross-Connection and Backflow](#)

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Emergency Water Storage



Get answers to commonly asked questions and information on how to store water.

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3. Improving Tap Sampling

- The proposed LCRI would make key changes to drinking water sampling requirements.
- Water systems would be required to collect first liter and fifth liter samples at sites with lead service lines and use the higher of the two values when calculating the system's 90th percentile lead level.



4. Lowering the Lead Action Level

- EPA is proposing to lower the lead action level from 15 $\mu\text{g}/\text{L}$ to 10 $\mu\text{g}/\text{L}$.
- When a water system's lead sampling exceeds the action level, the system would be required to inform the public and take action to reduce lead exposure while concurrently working to replace all lead pipes.
- For example, the system would be required to install or adjust corrosion control treatment to reduce lead that leaches into drinking water.



Current Requirements For JVWCD

- Collect 30 samples from homes every 3 years
- Compliance based on 90th percentile (27th highest result out of the 30 samples.) Action level of 15 ppb
- 2022 90th percentile sample result was 5.8 ppb
- Historically the District has had a home exceed the action level for lead, but we have never been out of compliance with the 90th percentile result.



Proposed Requirements For JVWCD

- Collect 60 samples from homes once every 6 months until we prove our lead levels are low
- First and Fifth liter sample requirement
- Required to report the higher of the two results
- New proposed action level from 15 ppb to 10 ppb



Example of 2022 Lead Sample Results

1	ND	11	0.0007	21	0.0022	31		41	51	61	71	81	91
2	ND	12	0.0007	22	0.0022	32		42	52	62	72	82	92
3	ND	13	0.0009	23	0.0023	33		43	53	63	73	83	93
4	ND	14	0.0009	24	0.0026	34		44	54	64	74	84	94
5	ND	15	0.0010	25	0.0036	35		45	55	65	75	85	95
6	ND	16	0.0010	26	0.0040	36		46	56	66	76	86	96
7	ND	17	0.0011	27	0.0058	37		47	57	67	77	87	97
8	0.0005	18	0.0013	28	0.0071	38		48	58	68	78	88	98
9	0.0006	19	0.0016	29	0.0089	39		49	59	69	79	89	99
10	0.0006	20	0.0016	30	0.0103	40		50	60	70	80	90	100

Note: all results are in mg/L

90th Percentile Sample: **27**

90th Percentile Result: **0.0058** mg/L

All results are within standards



5. Strengthening Protections to Reduce Exposure

- Water systems with multiple lead action level exceedances would be required to conduct additional outreach to consumers and make filters available to all consumers. The filters must be certified to reduce lead.



Transparency and Trust

The proposed LCRI would strengthen the requirements for water systems to communicate with consumers.

- The proposed rule would require water systems to communicate more frequently and proactively about lead service lines and the system's plans for replacing these lines.
- The proposed rule would revise the Consumer Confidence Report language to increase clarity about the health effects of lead, the water system's efforts to sample for lead in schools and childcare facilities, and how consumers can access the water system's lead service line replacement plan.
- Systems would be required to notify the public within 24 hours if systemwide lead levels exceed the proposed lower action level, and EPA would continue to require systems to collect follow-up samples at sites with higher levels of lead.



Questions?



STANDING COMMITTEE REPORTS



RatingsDirect®

Summary:

Jordan Valley Water Conservancy District, Utah; Water/Sewer

Primary Credit Analyst:

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Credit Opinion

Related Research

Summary:

Jordan Valley Water Conservancy District, Utah; Water/Sewer

Credit Profile

US\$95.395 mil wtr rev bnds ser 2024A due 04/01/2055

<i>Long Term Rating</i>	AA+/Stable	New
Jordan Vy Wtr Conservancy Dist wtr		
<i>Long Term Rating</i>	AA+/Stable	Affirmed
Jordan Vy Wtr Conservancy Dist wtr		
<i>Long Term Rating</i>	AA+/Stable	Affirmed
Jordan Vy Wtr Conservancy Dist wtr		
<i>Long Term Rating</i>	AA+/Stable	Affirmed
Jordan Vy Wtr Conservancy Dist wtr		
<i>Long Term Rating</i>	AA+/Stable	Affirmed
Jordan Vy Wtr Conservancy Dist wtr rev rfdg bnds		
<i>Long Term Rating</i>	AA+/Stable	Affirmed

Utah Water Finance Agency, Utah

Jordan Valley Water Conservancy District, Utah

Utah Wtr Fin Agy (Jordan Vy Wtr Conservancy Dist) WTRSWR

<i>Long Term Rating</i>	AA+/A-1/Stable	Affirmed
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Credit Highlights

- S&P Global Ratings assigned its 'AA+' long-term rating to Jordan Valley Water Conservancy District, Utah's anticipated \$95 million series 2024A water revenue bonds.
- At the same time, we affirmed our 'AA+' long-term rating on the district's parity debt, and our 'AA+/A-1' rating on the Utah Water Finance Agency's series B-1 program revenue bonds (variable-rate tender option bonds), issued for the district.
- The long-term component of the rating is based on the district's credit quality and the short-term component of the rating is based on the rating on the liquidity facility provider, JPMorgan Chase Bank N.A.
- The outlook is stable.

Security

The proposed bond proceeds will provide approximately \$100 million in funds for capital improvement projects, including the expansion of the Jordan Valley Water Treatment Plant (JVWTP). We consider the bond provisions as credit neutral. The bonds are secured by the net revenues of the district's water system. Key bond provisions include a rate covenant and an additional bonds test, both of which are set at a level such that net revenues produce at least 1.0x

debt service coverage (DSC) and at least 1.25x DSC when combined with amounts on deposit in the revenue fund. Although management has not established a debt service reserve fund for the bonds, we believe the district's financial profile, including very strong liquidity, precludes any credit risk. Post-issuance, the district will have approximately \$358 million of revenue debt obligations outstanding.

Credit overview

The ratings reflect our opinion of the district's general creditworthiness including its very strong financial profile, our assessment of projected all-in coverage, and the overall considerations of its largest wholesale customers. The district's 10-year capital improvement plan (CIP) accelerates some projects, particularly the JWWT expansion, to meet future peak demands. Approximately two-thirds of the \$467 million 10-year CIP will be debt funded. Although leverage increases, we do not expect financial margins will deteriorate. Based on the district's financing and funding plans to meet its long-term capital needs, we believe it has ample financial capacity to absorb the CIP costs and sustain continued healthy financial performance despite potential additional debt issuance in the medium term.

The district is one of the four largest wholesale water systems (or water conservancy districts) that serve more than 85% of the population in the state of Utah. The district is a regional wholesale water supplier serving more than 1 million residents, including most of Salt Lake County. Management reports continued growth within the service area, and the district is adjusting its capital program to manage demand for water resources, and renewal and replacement projects for its infrastructure. In addition, the district has implemented a policy to target a 1.3x DSC ratio. We believe that strong management of long-term financial and capital planning will be a key factor supporting rating stability.

The water revenue bond ratings reflect our view of the district's:

- Broad service area, which includes most of Salt Lake County;
- Currently adequate water supply and treatment capacity, combined with long-term planning to support customer growth;
- Take-or-pay agreements with its wholesale customers that are typically perpetual and provide flexibility to raise rates as necessary;
- Diverse revenue sources used to support operations, including system rates and a property tax levy (property taxes are included as revenues, which offset operations and maintenance [O&M] expenses, although they are not pledged to repay the bonds); and
- Solid financial performance, including historical and projected good all-in coverage and very strong liquidity position.

In our view, the preceding credit strengths are partially offset by the district's need to develop additional long-term water supplies or capacity additions and implement long-term conservation efforts to meet future water demand. We understand that to meet these needs, the district's plans to issue additional bonds of approximately \$185 million during the next 10 years to pay for a portion of the CIP and raise rates by 2%-6% annually to maintain consistent all-in DSC levels.

Environmental, social, and governance

We view the district's environmental, social, and governance risks as credit neutral in our analysis. Like peers in the West region, the district faces challenges from population growth, climate change, and drought conditions. The district has been investing in local supply reliability, including enhancing its future water resource planning by providing a framework for several investments across its facilities and distribution network to reduce the system's environmental risks. The district's drought management planning is robust (with planned water conservation programs to encourage water efficiency) to manage climate risk and drought cycles in the region. The district has formal long-term financial and capital planning, and master plans to ensure environmental compliance, which is supportive of our view that governance is in line with that of peers.

Outlook

The stable outlook reflects our view of the district's essential nature as a major water wholesaler that generally provides service pursuant to long-term take-or-pay agreements. During the two-year outlook period, we anticipate that it will continue developing long-term water supply projects to meet the growing needs of its service area and will continue to achieve a stable financial performance.

Downside scenario

If the district's financial performance declines from historical levels as it progresses through the expansion period of its CIP, and if the credit quality of its largest customers were to deteriorate or substantially diverge from that of the district, we could take a negative rating action.

Upside scenario

We do not anticipate taking a positive rating action during the two-year outlook period, given the district's additional planned borrowing needs as outlined in its 10-year capital plan. To consider a higher rating, we would primarily assess if the district continues to achieve sustainable financial performance and metrics through this growth cycle, while successfully funding and executing its large capital plan.

Credit Opinion

District's growing service area characteristics and largest wholesale customers

Jordan Valley Water Conservancy District is in Salt Lake County, and its service area encompasses about 175 square miles. The district serves approximately 740,000 people through its wholesale customers, and an additional 45,000 individuals and businesses through the retail connections. Based on estimates prepared by the state, it anticipates its service area population will increase by approximately 50% by 2040, with a corresponding increase in water deliveries. We consider the service area's income levels strong based on the county's median household effective buying income at 119% of the national median. Contractual payments from its wholesale customers generate most of the district's revenues, and the three largest wholesale customers include Granger-Hunter Improvement District (14% of total revenues including property taxes), West Jordan (14%), and South Jordan (11%).

Firm take-or-pay contractual agreements with its wholesale customers providing financial capacity

The district is primarily a wholesale water provider that operates pursuant to long-term agreements. Wholesale water deliveries to the district's 17 wholesale customers make up approximately 90% of its total water deliveries, and its leading wholesale customers generally rely on the district for a significant portion of their water supplies. The agreements between the district and its wholesale customers are typically perpetual and contain take-or-pay minimums. Furthermore, the agreements may only be cancelled with the mutual consent of the district and the wholesale customer or by the district for nonpayment. The district also retains the right to increase prices at its discretion under these agreements. In October 2023, the district's board approved policy amendments that allow for up to 5% of a member agency's minimum purchase contract volume to be assigned to other member agencies, to the extent that those minimum purchase contract volumes have already been met. This amendment will provide additional flexibility to member agencies in managing their water demand.

Water service rates for wholesale customers are anticipated to be adjusted annually for the foreseeable future. Wholesale rates range from \$410 to \$750 per acre-foot depending on the customer and pumping requirements. Management anticipates raising rates by 2%-6% annually to maintain consistent DSC levels and reserve balance to meet rising annual debt service costs based on additional borrowings. Due to the close coordination between the district and its wholesale members, we do not anticipate any significant issues related to rate increases at this time. We believe that the wholesale members, who have rate-making flexibility, in our view, will have to make corresponding rate adjustments to their own cost of service to align with the district's plans.

Large capital plan focused on new capacity expansion and water supply planning to meet growth needs as well as renewal and replacement projects to maintain system stability

The district's water sources during an average year provide about 127,545 acre-feet of supply. During an average year, the water supply portfolio is composed of Central Utah Project (35% of the total), Welby Jacob Exchange (27%), groundwater (12%), Central Water Project (9%), and other sources (17%). This supply portfolio is diverse and has been able to adequately meet the district's approximately 101,000 acre-feet of treated water delivery needs (municipal and industrial water sales) in fiscal 2023. Based on projected growth, the district is developing additional capacity to meet long-term demand.

The 10-year CIP focuses primarily on developing major new capacity and requires additional borrowing periodically through 2031. The 10-year total is about \$467 million, of which about 53% of capital spending is devoted to developing major new capacity, with approximately 34% for a variety of renewal and replacement projects that do not expand existing capacity. The district has historically targeted a ratio of one-third funding of capital projects from pay-as-you-go revenues (mostly renewal and replacement projects) and plans to issue revenue bonds to finance the remainder of new capacity capital projects.

Steady financial performance

The district's financial performance has remained strong, in our opinion, despite some fluctuation in water sales due to multiyear droughts and water conservation efforts. Based on the district's audited fiscal 2023 financial statements, we calculate all-in DSC at 1.4x, which is a continuation of stable performance. All-in coverage has generally exceeded 1.3x since fiscal 2012. We consider the recent coverage and financial performance to be typically strong for a wholesale utility. Based on management's forecast, which we view as reasonable, we anticipate that all-in DSC will remain at

least good, despite rising annual debt service requirements and water conservation efforts. After taking into consideration the district's borrowing plans, we calculate all-in DSC will average 1.4x during the next five fiscal years. In our all-in DSC calculations, we include property taxes as revenues, which offset O&M expenses, although they are not pledged to repay the bonds, and include fixed charges or the district's take-or-pay contractual obligations (Central Utah and Central Water projects) as debt-like obligations.

The district's liquidity position has historically been very strong; however, we anticipate that cash reserves could be gradually drawn down depending on the district's debt issuance plans in the near future. The district's liquidity position at the end of fiscal 2023 was very strong, in our view, with unrestricted cash at approximately \$68 million, equivalent to 482 days of operating expenses. During the past three fiscal years, this metric has been no lower than 400 days. The district has covenanted to maintain a reserve equal to at least three months of working capital and an additional \$5 million in an emergency reserve to pay for potential insurance claims or unforeseen events. In addition, the district established a rate revenue stabilization fund in 2019 as a source of funding for capital projects, replacement capital projects, or operations, and to smooth the need for water rate increases.

The district had \$54 million of variable-rate tender option bonds (series B-1) at the end of fiscal 2023, which represents about 14% of total debt outstanding. JPMorgan Chase Bank provides a liquidity facility for the series B-1 bonds, and the termination date for the liquidity facility was extended to April 14, 2024. The bonds are partially hedged by an interest rate swap agreement with The Bank of New York. The district's maintenance of a very strong liquidity position mitigates some of the termination risks, in our view.

Related Research

- Through The ESG Lens 3.0: The Intersection Of ESG Credit Factors And U.S. Public Finance Credit Factors, March 2, 2022

Certain terms used in this report, particularly certain adjectives used to express our view on rating relevant factors, have specific meanings ascribed to them in our criteria, and should therefore be read in conjunction with such criteria. Please see Ratings Criteria at www.spglobal.com/ratings for further information. Complete ratings information is available to RatingsDirect subscribers at www.capitaliq.com. All ratings affected by this rating action can be found on S&P Global Ratings' public website at www.spglobal.com/ratings.

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20 DEC 2023

Fitch Rates Jordan Valley Water Conservancy District, UT Series 2024 Rev Bonds 'AA+'; Outlook Stable

Fitch Ratings - New York - 20 Dec 2023: Fitch Ratings has assigned a 'AA+' rating to the following obligations issued by the Jordan Valley Water Conservancy District, UT (JWCD or the district):

--Approximately \$100.0 million water revenue bonds, series 2024A.

Bond proceeds will be used to finance the cost of capital improvements within the district's water system (the system) and pay costs of issuance. The bonds are anticipated sell through negotiation the week of January 8th.

Fitch has also affirmed the 'AA+' rating on the following bonds:

--Approximately \$275.4 million outstanding water revenue and water revenue refunding bonds.

Fitch has additionally affirmed the Issuer Default Rating (IDR) at 'AA+'.

The Rating Outlook is Stable.

The 'AA+' revenue bond rating and IDR reflect the district's very strong revenue defensibility and operating risk profiles, both assessed at 'aa'. The ratings also incorporate the 'aa' financial profile assessment, reflecting the district's currently very low leverage measured as net adjusted debt to adjusted funds available for debt service (FADS) which was 6.6x in fiscal 2023.

The district's revenue defensibility incorporates the very strong purchaser credit quality (PCQ), supported by its independent rate setting ability and strong contractual framework. The district also benefits from very favorable demographics serving a primarily residential area within Salt Lake County.

JWCD's operating risk profile is characterized by a very low operating cost burden and a low life cycle ratio supported by healthy capital investment. The district's five-year capital improvement plan (CIP) includes the majority of funding for the Jordan Valley Water Treatment Plant (JWTP) expansion and related infrastructure. Approximately 75% of the \$326.1 million CIP for fiscal years 2024-2028 will be debt funded, including proceeds of the current sale.

The district's out year revenue estimates reflect lower water volumes than previously projected by management, reflecting the effect of recent drought and conservation measures resulting in muted demand going forward. Planned rate adjustments, although higher than prior estimates, do not fully offset lower volume expectations. As a result, the district's leverage is likely to peak at levels higher than previously anticipated. Leverage is likely to exceed 8.0x intermittently and may reach 9.1x in Fitch's Analytical Stress Test (FAST) over the next five years as key components of the CIP are executed.

The district's CIP assumes significant FEMA grants for seismic related work which, should grants not be awarded as anticipated, would further stress leverage and have negative implications for the rating. Leverage beyond fiscal 2026 (FYE June 30) should stabilize and then begin to decline as the JWTP expansion and

related projects, as well as seismic-related spending, conclude and the level of capital spending moderates. Failure to moderate leverage to below 8.0x within the next five years could pressure the rating.

SECURITY

The bonds are secured by net revenues of the district's water system.

KEY RATING DRIVERS

Revenue Defensibility - 'aa'

Very Strong Purchaser Credit Quality, Very Strong Revenue Source Characteristics

Revenue defensibility is supported by purchasers that exhibit very strong credit quality. The district has contract provisions that allow for full cost recovery and the unlimited reallocation of costs across users. Additionally, the district retains independent legal ability to raise rates without external approval and its revenues include a property tax, which approximated 32% of fiscal 2023 revenues.

Operating Risk - 'aa'

Very Low Operating Cost Burden, Moderate Investment Needs

In fiscal 2023, the district has a very low operating cost burden of \$1,851 per million gallons (mg), consistent with the operating risk assessment. The life cycle ratio was very low at 28% in fiscal 2023. Capex to depreciation is robust, despite declining from previously higher levels to a five-year average of 320% from fiscal 2019 to fiscal 2023. Planned capital spending for the next five years should generally outpace historical depreciation, supporting a continued very low life cycle ratio.

The district's CIP for fiscal years 2024-2028 totals \$326.1 million and is focused on the expansion of the JWWTTP and related aqueduct work, as well as seismic projects within the district. The expansion of the JWWTTP to 220 mgd is anticipated to provide treatment capacity through 2037. The current CIP has increased from \$246.3 million planned for fiscal years 2022-2026, reflecting inflation-driven cost increases and project timing.

Financial Profile - 'aa'

Moderately Increasing Leverage, Neutral Liquidity

The district had very low leverage of 6.6x as of fiscal 2023. The liquidity profile is neutral to the overall assessment with current days cash on hand of 471 and coverage of full obligations of 1.4x. Fitch-calculated total debt service coverage for fiscal 2023 was 1.5x, which excludes fixed service expenses.

The FAST considers the potential trend of key ratios in a base case and stress case over a five-year period. The stress case is designed to impose capital costs 10% above expected base case levels and evaluate potential variability in projected key ratios. The FAST reflects Fitch's view of a reasonable scenario, which is generally informed by publicly available and/or management provided information with respect to capital expenditures, user charges and rate of revenue and expenditure growth.

In the base case scenario, the leverage ratio is expected to increase to 8.7x in fiscal 2026, then decline to 7.5x through fiscal 2028. In the stress case, the leverage ratio is projected to increase to 9.1x in fiscal 2026, then decrease to 8.0x through fiscal 2028. Liquidity is expected to remain neutral to the assessment over the five-year horizon.

Asymmetric Additional Risk Considerations

No asymmetric additive risk considerations affect the rating determination.

RATING SENSITIVITIES

Factors that Could, Individually or Collectively, Lead to Negative Rating Action/Downgrade

--Leverage sustained above 8.0x through Fitch's base and stress scenarios, subsequent to the current capital-intensive period, provided stability in revenue defensibility and operating risk assessments;

--Failure of FADS to support increasing debt through adequate water and property tax rate adjustments resulting in a further increase in leverage;

--Significant decline in the PCQ.

Factors that Could, Individually or Collectively, Lead to Positive Rating Action/Upgrade

--Sustained leverage below 5.0x through Fitch's base and stress scenarios, provided stability in revenue defensibility and operating risk assessments.

PROFILE

The district is a regional wholesale water supplier encompassing 175 square miles and serving about 1.1 million residents, either directly or indirectly, including the majority of Salt Lake County apart from the cities of Salt Lake and Sandy. The majority of the water delivered by the district is sold to wholesale customers, which have minimum-purchase commitments. The district also supplies retail service to approximately 45,000 residents through about 8,600 connections.

The district's water supply is generated from surface water and groundwater rights, including rights in Provo River water and contractual rights to Central Utah Project and Central Water Project water and storage, which include the Jordanelle and Deer Creek Reservoirs. The district also purchases water from the Metropolitan Water District of Salt Lake and Sandy (Metropolitan; IDR AA+/Negative).

The district's primary water treatment facility is the JWTP, which has a capacity of 180 million gallons per day (mgd). The district owns a 5/7ths interest in the JWTP and Metropolitan owns the remainder. The district also owns and operates the Southeast Regional Water Treatment Plant with 20 mgd capacity and the Southwest Groundwater Treatment Plant, a 7 mgd reverse osmosis plant. The district's proportionate ownership of the JWTP will increase over time, as Metropolitan is not participating in the expansion of the plant.

The district operates the Jordan Aqueduct, owned by the U.S. Bureau of Reclamation, a 38-mile transmission line from Orem to Salt Lake County. The district has a contractual right to 5/7ths of the transmission capacity of the Jordan Aqueduct with Metropolitan holding the rights to the remainder. Total treated water reservoir capacity is 190 million gallons through various reservoirs. Eventual expansion of the aqueducts is anticipated to further the district's ability to meet increased demand.

Sources of Information

In addition to the sources of information identified in Fitch's applicable criteria specified below, this action was informed by information from Lumesis.

REFERENCES FOR SUBSTANTIALLY MATERIAL SOURCE CITED AS KEY DRIVER OF RATING

The principal sources of information used in the analysis are described in the Applicable Criteria.

ESG Considerations

The highest level of ESG credit relevance is a score of '3', unless otherwise disclosed in this section. A score of '3' means ESG issues are credit-neutral or have only a minimal credit impact on the entity, either due to their nature or the way in which they are being managed by the entity. Fitch's ESG Relevance Scores are not inputs in the rating process; they are an observation on the relevance and materiality of ESG factors in the rating decision. For more information on Fitch's ESG Relevance Scores, visit <https://www.fitchratings.com/topics/esg/products#esg-relevance-scores>.

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Rating Actions

ENTITY/DEBT	RATING		RECOVERY	PRIOR
Jordan Valley Water Conservancy District (UT)	LT IDR	AA+ 	Affirmed	AA+ 
<ul style="list-style-type: none">Jordan Valley Water Conservancy	LT	AA+ 	Affirmed	AA+ 

ENTITY/DEBT	RATING	RECOVERY	PRIOR
District (UT) /Water Revenues/1 LT			

RATINGS KEY OUTLOOK WATCH

POSITIVE		
NEGATIVE		
EVOLVING		
STABLE		

Applicable Criteria

[Public Sector, Revenue-Supported Entities Rating Criteria \(pub.27 Apr 2023\) \(including rating assumption sensitivity\)](#)

[U.S. Water and Sewer Rating Criteria \(pub.03 Mar 2023\) \(including rating assumption sensitivity\)](#)

Additional Disclosures

[Solicitation Status](#)

Endorsement Status

Jordan Valley Water Conservancy District (UT) EU Endorsed, UK Endorsed

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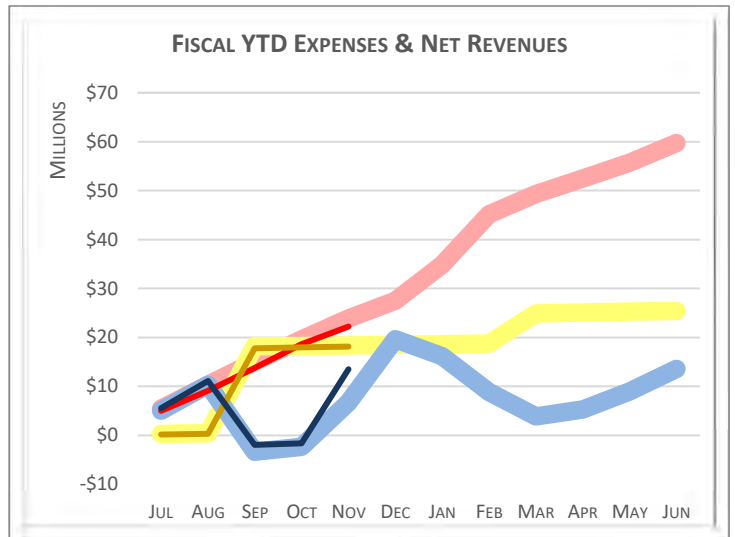
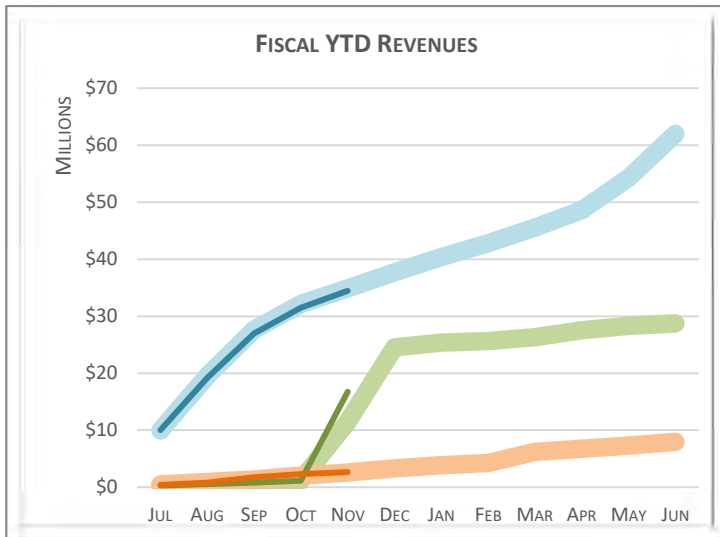
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FINANCE UPDATE

JORDAN VALLEY WATER CONSERVANCY DISTRICT
FINANCIAL REPORT SUMMARY – NOVEMBER 2023

MONTHLY AND YEAR-TO-DATE OPERATING SUMMARY

	Legend	NOVEMBER 2023	FY 23/24 Y-T-D	FY 23/24 BUDGET
REVENUES				
Water Sales Revenue		\$ 2,976,454	\$ 34,448,106	\$ 61,980,076
Property Tax Revenue		15,579,903	16,738,683	28,731,637
All Other Revenue		369,079	2,649,858	7,953,800
		18,925,435	53,836,647	98,665,513
EXPENSES				
Operating Expenses		3,616,882	22,220,278	59,725,718
Bond Debt Service		153,345	18,118,369	25,405,675
Net Revenues after Debt Service		\$ 15,155,208	\$ 13,498,000	\$ 13,534,120



OTHER FINANCIAL HIGHLIGHTS

FUND BALANCES	
Revenue	\$ 4,934,635
Operation & Maintenance	26,124,781
General Equipment	1,148,212
Retail Deposit Account	374,638
Bond Proceeds	17,194
Capital Projects	16,674,424
Replacement Reserve	16,253,540
Development Fee	50,447
Other Reserves	12,125,548
Bond Reserves	5,127,268
	\$ 82,830,686

LONG-TERM DEBT INFORMATION	
Outstanding Bonds and Notes Payable - 11/30/2023	\$ 291,218,090
<u>Average Annual Debt Payments Next 10-Years</u>	
Principal Payments	\$ 14,738,515
Interest Payments	16,516,500
	\$ 31,255,015
<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 - NOVEMBER 2023 (42%)

MODIFIED ACCRUAL BASIS - UNAUDITED

	NOVEMBER 2023	FY 23/24 Y-T-D	FY 23/24 BUDGET	% OF BUDGET	NOVEMBER 2022	FY 22/23 Y-T-D	FY 22/23 BUDGET	% OF BUDGET
REVENUES								
Metered Sales of Water								
- Wholesale	\$ 2,505,361	\$ 29,676,016	\$ 54,767,689	54%	\$ 2,124,226	\$ 27,916,914	\$ 52,554,723	53%
- Retail	471,092	4,772,090	7,212,387	66%	508,053	4,214,739	6,758,349	62%
Impact Fees	24,916	205,764	435,000	47%	-	68,935	512,000	13%
General Property Tax	15,579,903	16,738,683	28,731,637	58%	5,538,243	6,573,035	25,650,346	26%
Other - Investment Income, etc.	283,277	1,676,003	3,943,800	42%	257,976	941,614	1,087,300	87%
Other - Misc.	60,886	768,092	3,575,000	21%	71,020	886,907	2,243,093	40%
Total Revenues	18,925,435	53,836,647	98,665,513	55%	8,499,518	40,602,144	88,805,811	46%
OPERATING EXPENSES *								
Water Purchases	993,056	5,274,645	19,449,887	27%	2,330,974	5,582,238	18,615,784	30%
Operations and Maintenance	491,396	5,087,215	12,255,706	42%	649,192	5,522,723	11,621,168	48%
General and Administrative	279,882	3,452,250	7,552,953	46%	256,578	3,018,411	5,728,341	53%
Payroll Related	1,852,548	8,406,169	20,467,172	41%	1,857,067	8,460,256	19,587,691	43%
Total Operating Expenses	3,616,882	22,220,278	59,725,718	37%	5,093,811	22,583,629	55,552,984	41%
Net Revenues Available for Debt Service	15,308,553	31,616,369	38,939,795	81%	3,405,707	18,018,515	33,252,827	54%
Bond Debt Service	153,345	18,118,369	25,405,675	71%	137,096	17,276,745	23,164,500	75%
Net Revenues after Debt Service	15,155,208	13,498,000	13,534,120		3,268,611	741,770	10,088,327	
Transfer of Revenue Stabilization Funds	-	5,663,452	5,663,452	100%	-	8,402,108	8,402,108	100%
Net Revenues	\$ 15,155,208	\$ 19,161,452	\$ 19,197,572		\$ 3,268,611	\$ 9,143,878	\$ 18,490,435	
* See Exhibit 2 for summary of expenses by line item.								
NON-OPERATING EXPENSES (REVENUES)								
Capital Replacement Projects	\$ 3,239,337	\$ 8,249,729	\$ 19,600,000	42%	\$ 1,509,950	\$ 4,000,160	\$ 21,837,862	18%
Capital Projects	2,158,319	8,482,088	53,505,650	16%	2,894,647	7,562,526	32,456,659	23%
Development Fee	247,985	353,869	435,000	81%	-	-	512,000	0%
General Equipment	-	330,626	1,423,000	23%	51,963	218,713	903,100	24%
Self Insurance Claims	16,275	33,761	100,000	34%	904	2,575	100,000	0%
Bond Cost of Issuance	-	-	700,000		-	-	250,000	
Subtotal	5,661,917	17,450,073	75,763,650	23%	4,457,463	11,783,974	56,059,621	21%
Cap Proj Grants & Other Contrib	-	(3,654,382)	(11,889,642)	31%	-	(971,104)	(2,849,431)	34%
(Gain) / Loss on Sale of Assets	-	-	-		(69,785)	(180,149)	-	
Bond Cost of Issuance Proceeds	-	-	(700,000)		-	-	(250,000)	
Subtotal	-	(3,654,382)	(12,589,642)	29%	(69,785)	(1,151,253)	(3,099,431)	37%
Total Non-operating Expenses (Revenues)	\$ 5,661,917	\$ 13,795,691	\$ 63,174,008		\$ 4,387,678	\$ 10,632,721	\$ 52,960,190	20%

JORDAN VALLEY WATER CONSERVANCY DISTRICT
OPERATING EXPENSES SUMMARY - NOVEMBER 2023 (42%)

MODIFIED ACCRUAL BASIS - UNAUDITED

DESCRIPTION	NOVEMBER 2023	FY 23/24 Y-T-D	FY 23/24 BUDGET	% OF BUDGET	NOVEMBER 2022	FY 22/23 Y-T-D	FY 22/23 BUDGET	% OF BUDGET
Water Purchases	\$ 866,167	\$ 4,738,670	\$ 18,194,022	26%	\$ 2,257,132	\$ 5,117,037	\$ 17,402,067	29%
Water Stock Assessments	126,890	535,975	1,255,865	43%	73,842	465,201	1,213,717	38%
Total Water Purchases	993,056	5,274,645	19,449,887	27%	2,330,974	5,582,238	18,615,784	30%
Building & Grounds Maint	24,581	199,008	409,420	49%	16,059	152,889	389,512	39%
General Property & Leases	640	51,027	204,596	25%	9,122	63,113	210,482	30%
Repair & Replacement	(11,265)	317,808	1,427,198	22%	87,999	565,730	1,230,499	46%
Scheduled Maintenance	77,237	262,024	667,427	39%	16,481	222,427	552,539	40%
Tools & Supplies	6,648	178,204	338,269	53%	30,126	125,919	338,911	37%
Treatment - Chemicals	166,273	1,584,591	3,171,672	50%	135,957	1,110,018	2,780,169	40%
Treatment - Lab, Studies & Quality	13,933	157,223	686,041	23%	48,865	251,102	607,499	41%
Utilities - JVWTP	27,279	143,340	351,780	41%	23,067	139,575	347,460	40%
Utilities - SERWTP	5,465	48,535	120,546	40%	5,508	43,827	118,842	37%
Utilities - SWGWTP & RO Wells	6,075	170,183	724,122	24%	2,483	170,601	734,702	23%
Utilities - Wells	8,114	338,561	1,064,636	32%	60,641	812,907	1,334,878	61%
Utilities - Boosters	96,211	1,014,899	1,731,448	59%	178,838	1,137,798	1,663,712	68%
Utilities - JNPS & JA	32,817	432,747	788,634	55%	1,841	493,019	784,314	63%
Utilities - Other	6,562	32,917	210,217	16%	1,054	83,991	203,549	41%
Utility Location (Blue Stakes)	2,558	15,910	37,050	43%	3,053	16,834	28,050	60%
Vehicle & Gen. Equip. - Fuel	18,154	82,321	200,660	41%	16,944	98,238	180,060	55%
Vehicle & Gen. Equip. - Parts	10,113	57,919	121,990	47%	11,154	34,735	115,990	30%
Total Operations & Maintenance	491,396	5,087,215	12,255,706	42%	649,192	5,522,723	11,621,168	48%
Bond Fees	(26,921)	145,180	396,400	37%	25,123	206,854	424,000	49%
Computer Supplies	(2,296)	297,509	844,080	35%	64,444	304,982	822,775	37%
Conservation Programs	204,617	1,181,840	3,060,030	39%	53,285	842,268	1,567,873	54%
General & Administrative	36,021	166,135	236,910	70%	25,397	117,824	211,950	56%
General Insurance	-	1,256,027	1,206,021	104%	-	1,094,509	1,031,351	106%
Legal & Auditing Fees	18,818	111,028	491,650	23%	34,927	134,509	481,650	28%
Office / Mailing / Safety	32,300	106,753	282,930	38%	19,520	98,219	277,858	35%
Professional Consulting Services	(9,851)	50,815	429,371	12%	12,395	109,999	316,350	35%
Public Relations	8,007	31,119	202,964	15%	3,717	17,616	192,925	9%
Training & Education	19,188	105,843	402,597	26%	17,771	91,635	401,609	23%
Total General & Administrative	279,882	3,452,250	7,552,953	46%	256,578	3,018,411	5,728,341	53%
Payroll Related	1,852,548	8,406,169	20,467,172	41%	1,857,067	8,460,256	19,587,691	43%
Total Operating Expenses	\$ 3,616,882	\$ 22,220,278	\$ 59,725,718	37%	\$ 5,093,811	\$ 22,583,629	\$ 55,552,984	41%

JORDAN VALLEY WATER CONSERVANCY DISTRICT
METERED SALES OF WHOLESALE WATER - NOVEMBER 2023

MODIFIED ACCRUAL BASIS - UNAUDITED

WHOLESALE MEMBER AGENCY	CURRENT MONTH			FISCAL YTD		
	NOVEMBER 2023	NOVEMBER 2022	INCREASE / (DECREASE)	NOVEMBER 2023	NOVEMBER 2022	INCREASE / (DECREASE)
Bluffdale	\$ 80,239	\$ 73,303	\$ 6,936	\$ 1,080,829	\$ 1,055,048	\$ 25,781
Div of Fac Const & Mgnt	718	8,406	(7,688)	28,477	36,729	(8,252)
Draper	77,441	75,948	1,493	1,400,100	1,335,958	64,142
Granger-Hunter	470,550	523,238	(52,687)	6,013,579	6,016,167	(2,588)
Herriman	113,850	86,657	27,193	2,768,009	2,369,125	398,884
Hexcel Corporation	5,618	11,729	(6,111)	175,892	152,058	23,834
Kearns	259,555	202,516	57,039	2,502,522	2,361,410	141,112
Magna	30,139	27,751	2,388	148,243	140,600	7,642
Midvale	61,069	57,126	3,943	802,594	965,731	(163,137)
Riverton	378,995	160,451	218,544	1,545,071	1,244,628	300,444
South Jordan	305,457	301,973	3,484	5,629,873	4,780,207	849,665
South Salt Lake	36,685	34,915	1,769	173,249	138,925	34,324
Taylorville-Bennion	192,071	93,602	98,470	776,292	848,505	(72,213)
WaterPro, Inc.	-	-	-	-	-	-
West Jordan	492,648	466,412	26,235	6,615,572	6,454,401	161,172
White City	50	50	-	250	250	-
Willow Creek Country Club	277	149	128	15,464	17,172	(1,709)
TOTALS	<u>\$ 2,505,361</u>	<u>\$ 2,124,226</u>	<u>\$ 381,135</u>	<u>\$ 29,676,016</u>	<u>\$ 27,916,914</u>	<u>\$ 1,759,101</u>

JORDAN VALLEY WATER CONSERVANCY DISTRICT
FUND BALANCES - NOVEMBER 2023

CASH BASIS - UNAUDITED

	Operating Funds			
	Revenue	Operation and	General	Retail
	Fund *	Maintenance	Equipment	Deposit
		Fund *	Fund	Account
Beginning Cash Balance	\$ 23,330,802.00	\$ 11,886,602.77	\$ 247,096.45	\$ 348,420.00
CASH RECEIPTS:				
Operations	4,172,857.70	15,880,081.25	-	26,218.00
Interest	104,289.18	43,178.03	1,115.51	-
Bond	-	-	-	-
Transfers	-	2,200,000.00	900,000.00	-
Total Cash Receipts	4,277,146.88	18,123,259.28	901,115.51	26,218.00
CASH DISBURSEMENTS:				
Operations	16,822.88	3,885,080.85	-	-
Capital	-	-	-	-
Debt Service	153,345.40	-	-	-
Other	-	-	-	-
Transfers	22,503,146.00	-	-	-
Total Disbursements	22,673,314.28	3,885,080.85	-	-
Net Change in Cash	(18,396,167.40)	14,238,178.43	901,115.51	26,218.00
Ending Cash Balance	\$ 4,934,634.60	\$ 26,124,781.20	\$ 1,148,211.96	\$ 374,638.00
* Minimum Balance or Reserve	\$ 6,351,419.00	\$ 7,400,000.00	\$ -	\$ -

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

CASH BASIS - UNAUDITED

Capital Funds		
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	Capital Replacement Reserve Fund	Capital Projects Fund	Bond Projects Fund
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Beginning Cash Balance	\$ 5,304,794.76	\$ 17,280,598.81	\$ 17,114.82
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CASH RECEIPTS:

Operations	-	-	-
Interest	32,133.96	90,315.48	78.98
Bond	-	-	-
Transfers	<u>14,155,949.00</u>	<u>1,760,261.00</u>	<u>-</u>
Total Cash Receipts	<u>14,188,082.96</u>	<u>1,850,576.48</u>	<u>78.98</u>

CASH DISBURSEMENTS:

Operations	-	-	-
Capital	3,239,337.48	2,406,304.52	-
Debt Service	-	-	-
Other	-	-	-
Transfers	<u>-</u>	<u>-</u>	<u>-</u>
Total Disbursements	<u>3,239,337.48</u>	<u>2,406,304.52</u>	<u>-</u>
Net Change in Cash	<u>10,948,745.48</u>	<u>(555,728.04)</u>	<u>78.98</u>

Ending Cash Balance	<u>\$ 16,253,540.24</u>	<u>\$ 16,724,870.77</u>	<u>\$ 17,193.80</u>
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* Minimum Balance or Reserve	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
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**JORDAN VALLEY WATER CONSERVANCY DISTRICT
FUND BALANCES - NOVEMBER 2023**

CASH BASIS - UNAUDITED

	Reserve Funds				Restricted Funds	Total
	Other Reserve Funds *	Self Insurance Fund *	Revenue Stabilization Fund	Short Term Operating Reserve	Total Bond Debt Service Reserve Funds *	Total All Funds *
Beginning Cash Balance	\$ 399,581.56	\$ 5,292,821.97	\$ 2,923,426.81	\$ -	\$ 5,114,458.82	\$ 72,145,718.77
<u>CASH RECEIPTS:</u>						
Operations	-	-	-	-	-	20,079,156.95
Interest	1,803.90	24,054.45	13,197.71	-	12,809.10	322,976.30
Bond	-	-	-	-	-	-
Transfers	-	100,000.00	-	3,386,936.00	-	22,503,146.00
Total Cash Receipts	1,803.90	124,054.45	13,197.71	3,386,936.00	12,809.10	42,905,279.25
<u>CASH DISBURSEMENTS:</u>						
Operations	-	16,274.62	-	-	-	3,918,178.35
Capital	-	-	-	-	-	5,645,642.00
Debt Service	-	-	-	-	-	153,345.40
Other	-	-	-	-	-	-
Transfers	-	-	-	-	-	22,503,146.00
Total Disbursements	-	16,274.62	-	-	-	32,220,311.75
Net Change in Cash	1,803.90	107,779.83	13,197.71	3,386,936.00	12,809.10	10,684,967.50
Ending Cash Balance	\$ 401,385.46	\$ 5,400,601.80	\$ 2,936,624.52	\$ 3,386,936.00	\$ 5,127,267.92	\$ 82,830,686.27

* Minimum Balance
or Reserve \$ 401,385.46 \$ 5,400,601.80 \$ - \$ 3,386,936.00 \$ 5,127,267.92 \$ 28,067,610.18

JORDAN VALLEY WATER CONSERVANCY DISTRICT
FUND BALANCES - NOVEMBER 2023

INVESTMENT SUMMARY

	Institution/Account	Fund	Date Invested	Maturity Date	Interest Rate	Principal Invested	
Operating Funds	Zions Bank - Checking/Sweep Account	Revenue	11/01/23	11/30/23	4.99%	\$ 295,126.44	
	Paypal Account - Garden Revenue	Revenue	11/01/23	11/30/23	0.00%	7,932.95	
	Wells Fargo Bank - Savings Account	Revenue	11/01/23	11/30/23	0.01%	338,829.17	
	Express Bill Pay Deposit Account	Revenue	11/01/23	11/30/23	0.00%	338,611.39	
	CUWCD Series B-4 Revenue Bonds	Revenue	06/20/13	10/01/34	5.59%	1,670,000.00	
	Public Treasurers Investment Fund	Revenue	11/01/23	11/30/23	5.49%	2,284,134.65	
	Subtotal - Revenue Funds						4,934,634.60
	Zions Bank - Checking/Sweep Account	O&M	11/01/23	11/30/23	4.99%	373,186.74	
	Public Treasurers Investment Fund	O&M	11/01/23	11/30/23	5.49%	25,751,594.46	
	Subtotal - O&M Funds						26,124,781.20
Public Treasurers Investment Fund	General Equipment	11/01/23	11/30/23	5.49%	1,148,211.96		
Retail Deposit Account	Retail Deposit	11/01/23	11/30/23	0.00%	374,638.00		
Total Operating Funds						\$ 32,582,265.76	
Capital Funds	Public Treasurers Investment Fund	Capital Replacement Reserve	11/01/23	11/30/23	5.49%	\$ 16,253,540.24	
	Public Treasurers Investment Fund	Capital Projects	11/01/23	11/30/23	5.49%	16,674,423.79	
	Public Treasurers Investment Fund	Bond Project Funds	11/01/23	11/30/23	5.49%	17,193.80	
	Public Treasurers Investment Fund	Development Fee	11/01/23	11/30/23	5.49%	50,446.98	
	Total Capital Funds						\$ 32,995,604.81
Reserve Funds	Public Treasurers Investment Fund	Self Insurance	11/01/23	11/30/23	5.49%	\$ 5,400,601.80	
	Public Treasurers Investment Fund	JVWTP Maintenance	11/01/23	11/30/23	5.49%	97,417.97	
	Public Treasurers Investment Fund	Bond R&R	11/01/23	11/30/23	5.49%	176,051.22	
	Public Treasurers Investment Fund	JA Maintenance	11/01/23	11/30/23	5.49%	127,916.27	
	Public Treasurers Investment Fund	Revenue Stabilization	01/00/00	01/00/00	5.59%	2,936,624.52	
	Public Treasurers Investment Fund	Short Term Operating Reserve	11/01/23	11/30/23	5.49%	3,386,936.00	
Total Reserve Funds						\$ 12,125,547.78	
Restricted Funds	Zions Bank (Trustee) - US Treasury Notes	B-1 Bond Debt Serv Res	Varies	Varies	2.85%	\$ 4,964,132.77	
	Zions Bank (Trustee) - US Treasury Notes	2009C Bond Debt Serv Res	Varies	Varies	2.85%	163,135.15	
	Total Restricted Funds						\$ 5,127,267.92
TOTAL ALL FUNDS						\$ 82,830,686.27	

JORDAN VALLEY WATER CONSERVANCY DISTRICT
BALANCE SHEET - NOVEMBER 2023

MODIFIED ACCRUAL BASIS - UNAUDITED

	NOVEMBER 2023	NOVEMBER 2022
ASSETS		
<i>Current Assets:</i>		
Cash & Cash Equivalents (Note 1)	\$ 77,704,288	\$ 58,642,366
Accounts Receivable	4,580,368	4,802,567
Inventory	814,518	654,868
Total Current Assets	<u>83,099,175</u>	<u>64,099,801</u>
<i>Restricted Assets:</i>		
Cash & Investments	5,144,462	43,658,945
<i>Long-Term Assets:</i>		
Long-Term Receivables	-	-
Other Assets	3,815,444	8,565,423
Property, Plant & Equipment (Net)	593,014,315	559,374,674
Total Long-Term Assets	<u>596,829,759</u>	<u>567,940,097</u>
Total Assets	<u>\$ 685,073,395</u>	<u>\$ 675,698,843</u>
LIABILITIES & FUND EQUITY		
<i>Current Liabilities:</i>		
Accounts Payable	\$ (0)	\$ 91,536
Other Current Liabilities	1,715,162	2,177,714
Total Current Liabilities	<u>1,715,161</u>	<u>2,269,249</u>
<i>Long-Term Liabilities:</i>		
Bonds and Notes Payable	291,218,090	307,214,619
Other Long-Term Liabilities	8,351,061	13,507,237
Total Long-Term Liabilities	<u>299,569,151</u>	<u>320,721,856</u>
Total Liabilities	301,284,312	322,991,105
Total Net Position	<u>383,789,083</u>	<u>352,707,738</u>
Total Liabilities & Net Position	<u>\$ 685,073,395</u>	<u>\$ 675,698,843</u>

Note 1: Cash and cash equivalents totalling \$42,914,161 have been committed for; replacement reserve \$16,253,540, capital projects \$16,674,424, development fee \$50,447, general equipment \$1,148,212, self insurance reserve \$5,400,602 and revenue stabilization fund \$3,386,936.

JORDAN VALLEY WATER CONSERVANCY DISTRICT
IMPACT FEE SUMMARY - NOVEMBER 2023

CASH BASIS - UNAUDITED

<u>Date</u>	<u>Payee</u>	<u>Subdivision/Lot#</u>	<u>Amount</u>
11/09/23	Murray Square Comm Cntr	4678 S 900 E	\$ 24,916.00

Total Fees Collected November \$ 24,916.00

Total Fees Collected Fiscal YTD \$ 205,764.00

JORDAN VALLEY WATER CONSERVANCY DISTRICT

CHECK REGISTER - REVENUE ACCOUNT

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

CHECK NO.	CHECK DATE	VENDOR NAME	CHECK AMOUNT
72098	11/29/23	AMG PROPERTIES LLC	\$15.14
72099	11/29/23	BABB, BRIAN	961.22
72100	11/29/23	BONNER, DALE	84.54
72101	11/29/23	CMM 101 LLC	13.20
72102	11/29/23	HOMES & HOUSES UTAH	76.70
72103	11/29/23	LEFT HAND, LLC	66.00
72104	11/29/23	LINDQUIST, KATIE	23.00
72105	11/29/23	PARMA, ELISKA H	47.00
72106	11/29/23	RAPP, MORGAN	97.00
72107	11/29/23	SEBLASER LLC	12.55
REPORT TOTAL:			<u>\$1,396.35</u>

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PAYMENT REGISTER - O&M ACCOUNT

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

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
179716	11/7/23	ROCKY MOUNTAIN POWER			\$14,715.82
		75200590 5410	175509260113	14.87	
		75200590 5410	261824160012	1,320.33	
		75200590 5410	311522760504	35.15	
		75200590 5410	311522760652	73.27	
		75200590 5410	325517860012	11.25	
		75200590 5410	377120460060	16.51	
		75300590 5410	333107260015	8.21	
		75300590 5410	333819860011	73.60	
		75300590 5410	333821260010	199.29	
		75300590 5410	377120460045	61.78	
		75300590 5410	911749030019	133.33	
		75300590 5410	175509260204	2,885.23	
		75300590 5410	175509260337	10.86	
		75300590 5410	261824160053	401.82	
		75300590 5410	311522760405	4.88	
		75300590 5410	311522760603	123.35	
		75300590 5410	326716960017	79.70	
		75500590 5410	227856660146	9,034.33	
		75600590 5410	175509260022	26.39	
		75600590 5410	311522760025	14.98	
		75600590 5410	377131660021	14.38	
		75700590 5410	253216260013	82.86	
		75700590 5410	322497360014	89.45	
179717	11/9/23	ACCURINT			285.78
		51000650 5170	MONTHLY PEOPLE SEARCH SERVICE	285.78	
179718	11/9/23	ALLSTREAM			1,107.82
		51000650 5450	8215 S 1300 W	1,107.82	
179719	11/9/23	ALPHA COMMUNICATIONS SITES INC			191.45
		91000570 5530	SITE LEASE	191.45	
179720	11/9/23	CASTELAN, KIMBERLY			1,209.47
		70000590 5290	METROHM	1,209.47	
179721	11/9/23	CHILD SUPPORT SERVICES			529.00
		11000200 2135	PAYROLL 103123	529.00	
179722	11/9/23	CHRISTENSEN & JENSEN PC			1,105.00
		51000650 5284	GENERAL	1,105.00	
179723	11/9/23	CMT TECHNICAL SERVICES			3,183.00
		11000188 6010 4190	3300 S PIPELINE REPLACEMENT	3,183.00	
179724	11/9/23	DOMINION ENERGY			4,002.26
		73000590 5420	8215 S TEMPLE DR	710.13	
		75500590 5420	3200 W 6200 S 1	32.99	
		75500590 5420	4400 S 4800 REAR	418.62	
		51000650 5420	8215 S TEMPLE DR	2,840.52	
179725	11/9/23	DOMINION ENERGY			1,045.96
		11000184 6010 4220	EMERGENCY GENERATORS PHASE 2	1,045.96	
179726	11/9/23	GARBETT HOMES			15,029.66
		62000570 5670	LOCALSCAPES HOMEBUILDER REWARDS	15,029.66	

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PAYMENT REGISTER - O&M ACCOUNT

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

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT# DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
179727	11/9/23	HAZEN & SAWYER, P. C 11000182 6010 4255 JVVTP BASINS 1-2 SEISMIC AND C	140,247.50	\$140,247.50
179728	11/9/23	KEHL HOMES, INC 11000170 6010 WATERSHARE PURCHASE	90,000.00	90,000.00
179729	11/9/23	LAW OFFICES OF KIRK A CULLIMORE LLC 11000200 2135 GARNISHMENT #7	300.00	300.00
179730	11/9/23	LEXINGTON VILLAGE AT OLD FARM OWNERS ASSOCIATI 62000570 5670 LANDSCAPE LEADERSHIP GRANT PROGRAM	9,554.00	9,554.00
179731	11/9/23	MEIER'S CATERING 78000590 5720 2023 CUSTOMER APPRECIATION LUNCHEON	581.11	581.11
179732	11/9/23	MILLBURN LAWN & LANDSCAPE 83000570 5360 LAWN CARE 83000570 5360 NATURAL TERRAIN MAINTENANCE GR 83071570 5360 LAWN CARE 83072570 5360 LAWN CARE	19,734.80 9,099.40 1,236.00 3,090.00	33,160.20
179733	11/9/23	NAPA J & L PARTS GROUP 83071570 5350 DEF ADDITIVE FOR DIESEL EQUIPMENT - JVV	269.85	269.85
179734	11/9/23	NATIONAL BENEFIT SERVICES HRA 11000200 2135 ADMIN FEES	434.20	434.20
179735	11/9/23	NATIONAL BENEFIT SERVICES HRA 11000200 2135 PAYROLL 103123	3,616.44	3,616.44
179736	11/9/23	NOLAND & SON CONSTRUCTION COMPANY INC 11000188 6010 4225 RED MAPLE DISTRIBUTION PIPELIN	229,199.11	229,199.11
179737	11/9/23	NORTH JORDAN IRRIGATION 70000510 5820 2023 NORTH JORDAN IRRIGATION ASSESSME	75.00	75.00
179738	11/9/23	PFM ASSET MANAGEMENT LLC 51000650 5280 MONTHLY INVESTMENT ADVISOR FEES	629.01	629.01
179739	11/9/23	REPUBLIC SERVICES INC 51000650 5350 ADMIN 62000570 5350 EDUCATION 71071570 5350 JVVTP 72072570 5350 SERWTP 73073570 5350 SWGWTP 83000570 5350 ADMIN 83000570 5350 MAINTENANCE	129.44 831.89 514.30 304.24 420.02 267.49 388.50	2,855.88
179740	11/9/23	TOOLSHED INC 81071570 5360 PROPANE FOR FORK LIFT AT JVVTP	23.92	23.92
179741	11/9/23	ROCKY MOUNTAIN POWER 70101590 5410 557994860012	499.07	499.07
179742	11/9/23	ROGER LEE KEHL LIVING TRUST 11000170 6010 WATER SHARE PURCHASE	48,000.00	48,000.00

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PAYMENT REGISTER - O&M ACCOUNT

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

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
179743	11/9/23	SAFETY SUPPLY & SIGN COMPANY INC			\$528.16
		52000570 5400	PURCHASE OF "NO TRESPASSING/DUMPING"	480.60	
		70000590 5360	REQUEST TO OPEN GATE SIGNS WITH PHON	47.56	
179744	11/9/23	SANDY CITY			4,590.58
		72000590 5440	11574 WYNDCASTLE	4,261.25	
		75300590 5430	2580 E 9800 S	329.33	
179745	11/9/23	SOUTH JORDAN CITY			21,693.00
		62000570 5670	MUNICIPAL PARTNERSHIPS GRANT	21,693.00	
179746	11/9/23	TYLER TECH			1,355.03
		90000650 5230	MUNIS ROLE TAILORED DASHBOARD MAINT	1,355.03	
179747	11/9/23	UTAH COMMUNICATIONS INC			40.00
		91000570 5530	MAINTENANCE CONTRACT	40.00	
179748	11/9/23	WEST JORDAN CITY			2,601.12
		51000650 5410	8275 S 1300 W	8.43	
		51000650 5430	8215 S 1300 W	1,090.94	
		51000650 5430	8275 S 1300 W	62.20	
		51000650 5440	8275 S 1300 W	1,439.55	
179749	11/9/23	WHOLESALE OFFICE FURNITURE			3,067.00
		75000590 5220	OFFICE FURNITURE	3,067.00	
179750	11/9/23	WIDDISON WELL SERVICES INC.			247,087.50
		11000180 6010 4242	WELL REDEVELOPMENT & TEST PUMP	240,587.50	
		11000180 6010 4310	MONITOR WELL REPAIR	6,500.00	
179751	11/9/23	ZAYO GROUP LLC			1,577.91
		90000650 5230	8215 S TEMPLE DR	1,577.91	
179752	11/16/23	AFLAC PREMIUM HOLDING			930.79
		11000200 2135	PAYROLL 103123	930.79	
179753	11/16/23	ALAN E PACKARD			416.97
		51000650 5290	CRWUA	416.97	
179754	11/16/23	ALLSTREAM			1,209.56
		70100590 5450	15305 S 3200 W	106.12	
		71000590 5450	15305 S 3200 W	996.66	
		72000590 5450	15305 S 3200 W	106.78	
179755	11/16/23	ATSCO SALES & SERVICE			8,764.00
		91000570 5310	ACTUATOR AND MOTOR REPLACEMENT FOR	8,764.00	
179756	11/16/23	B.D. BUSH EXCAVATION, INC			253,515.10
		11000188 6010 4190	3300 S PIPELINE REPLACEMENT	253,515.10	
179757	11/16/23	CHILD SUPPORT SERVICES			529.00
		11000200 2135	PAYROLL 111523	529.00	
179758	11/16/23	CRS CONSULTING ENGINEERS INC			632.50
		11000180 6010 4213	DW6/DW8 WELL REPAIRS	470.00	
		11000180 6010 4213	SWGWP DEEP WELL ASSESSMENT	162.50	
179759	11/16/23	DALSOGLIO INC			90.00
		81000570 5360	OIL SAMPLE BOTTLES	90.00	

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PAYMENT REGISTER - O&M ACCOUNT

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

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
179760	11/16/23	DOMINION ENERGY			\$1,116.15
		72000590 5420	11574 WYNDCASTLE	1,069.97	
		72000590 5420	11574 WYNDCASTLE ACTI	38.03	
		75300590 5420	4770 NANILOA	8.15	
179761	11/16/23	DRAPER CITY			7.00
		75300590 5430	108 E 11400 S	7.00	
179762	11/16/23	GARBETT HOMES			35,466.22
		62000570 5670	LOCALSCAPES HOMEBUILDER REWARDS	35,466.22	
179763	11/16/23	GORDON BATT			1,024.41
		70000590 5290	AWWA WQTC	1,024.41	
179764	11/16/23	HOSE & RUBBER SUPPLY LLC			146.39
		81000570 5330	BRASS HOSE FITTINGS, AIR HOSE.	73.18	
		82000570 5380	BRASS FITTINGS FOR REGULATORS (CASTO	73.21	
179765	11/16/23	INTERIOR SOLUTIONS			3,197.99
		80000570 5220	FURNITURE FOR KEENAN'S OFFICE	3,197.99	
179766	11/16/23	JACOB YOUNG			45.42
		51000650 5170	PERFORMANCE REVIEW DISCUSSION	45.42	
179767	11/16/23	JACOB YOUNG			425.80
		51000650 5290	CRWUA	425.80	
179768	11/16/23	JASON MOTT			547.50
		62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	547.50	
179769	11/16/23	JONATHAN HILBERT			948.82
		77000590 5290	WQTC	948.82	
179770	11/16/23	LAW OFFICES OF KIRK A CULLIMORE LLC			300.00
		11000200 2135	#8	300.00	
179771	11/16/23	LEHI CITY CORPORATION			72.37
		70101590 5410	1250 E SR92	36.76	
		70101590 5410	NE CORNER SR92	35.61	
179772	11/16/23	LINDE GAS & EQUIPMENT			322.88
		78000590 5720	METALS GAS	322.88	
179773	11/16/23	MARK STRATFORD			147.00
		51000650 5290	CRWUA	147.00	
179774	11/16/23	MILLBURN LAWN & LANDSCAPE			16,580.10
		83000570 5360	ADDITIONAL LAWN MAINTENANCE	4,933.70	
		83000570 5360	ADDITIONAL MOWING OF NATURAL TERRAIN	3,524.85	
		83000570 5360	LAWN CARE	4,933.70	
		83000570 5360	NATURAL TERRAIN MAINTENANCE GR	1,024.85	
		83071570 5360	ADDITIONAL LAWN MAINTENANCE	309.00	
		83071570 5360	LAWN CARE	309.00	
		83072570 5360	ADDITIONAL LAWN MAINTENANCE	772.50	
		83072570 5360	LAWN CARE	772.50	
179775	11/16/23	MORRIS ELECTRIC INC			47,682.00
		11000184 6010 4220	GENERATOR PROJECT PHASE II	47,682.00	

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PAYMENT REGISTER - O&M ACCOUNT

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

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
179776	11/16/23	MT OLYMPUS IMPROVEMENT DISTRICT 75501590 5430	2981 BRANCH DR	138.00	\$138.00
179777	11/16/23	NAPA GENUINE AUTO PARTS COMPANY 81000570 5330	CREDIT	-18.00	1,561.72
		81000570 5330	REPAIR PARTS AND STOCK ITEMS.	425.44	
		81000570 5330	REPAIR PARTS FROM NAPA	443.91	
		81000570 5330	REPAIR PARTS FROM NAPA.	710.37	
179778	11/16/23	NORTH UNION IRRIGATION CO 70000510 5820	NORTH UNION ANNUAL ASSESSMENT	4,892.50	4,892.50
179779	11/16/23	O'REILLY AUTOMOTIVE INC 81000570 5330	GASKETS FOR 706	160.28	160.28
179780	11/16/23	POSTMASTER 60000650 5250	RETAIL BILLING POSTAGE	3,900.00	3,900.00
179781	11/16/23	PROVO RESERVOIR WATER USERS COMPANY 70000510 5820	PRWUC TRANSFER FEES	100.00	100.00
179782	11/16/23	ROCKY MOUNTAIN POWER 70100590 5410	175509260279	26,645.52	44,146.87
		70100590 5410	377220560017	5,600.42	
		72211590 5410	321644760019	15.69	
		72211590 5410	913799040088	17.93	
		75200590 5410	175509260014	13.87	
		75500590 5410	235992060014	11,398.12	
		75600590 5410	227856660138	225.09	
		75700590 5410	377220560025	230.23	
179783	11/16/23	SALT LAKE COUNTY ENGINEERING 82000570 5380	3-SALT LAKE COUNTY EXCAVATION PERMITS	375.00	375.00
179784	11/16/23	SANDY CITY 75300590 5430	1147 WEBSTER	8.98	53.92
		75300590 5430	1443 E 9400 S	17.96	
		75300590 5430	7618 S 700 E	26.98	
179785	11/16/23	SOUTH JORDAN CITY 52000570 5400	10305 S 3200 W LAND	316.46	382.67
		75300590 5430	10932 S 2700 WAY	30.00	
		75300590 5430	9911 S 2700 W LAND	36.21	
179786	11/16/23	SOUTH VALLEY SEWER DISTRICT 71000590 5430	15305 S 3200 W	116.76	179.32
		72000590 5430	11574 S WYNDCASTLE	25.00	
		72000590 5430	11574 WYNDCASTLE	37.56	
179787	11/16/23	UTAH DIVISION OF GOV.OPERATIONS 81000570 5340	OCTOBER FUEL BILL	18,154.11	18,154.11
179788	11/16/23	UTAH LAKE DISTRIBUTING COMPANY 70000510 5820	ASSESMENT FEES	40,400.00	40,400.00
179789	11/16/23	UTAH STATE TAX COMMISSION 11000200 2240	PAYROLL 111523	49,878.67	49,878.67
179790	11/16/23	WADE TUFT 70000590 5290	CRWUA	449.80	449.80

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PAYMENT REGISTER - O&M ACCOUNT

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

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
179791	11/16/23	WELBY JACOB WATER USERS COMPANY 70000510 5820	WELBY JACOB WATER USERS STOCK ASSES	73,842.00	\$73,842.00
179792	11/16/23	WEST VALLEY CITY 75300590 5430	VARIOUS	186.00	186.00
179793	11/16/23	WIDDISON WELL SERVICES INC. 11000180 6010 4281	1590 EAST WELL DEVELOPMENT	76,670.70	76,670.70
179794	11/22/23	ALL WEATHER WATERPROOFING, INC 83000570 5380	NEWBURRY WELL ROOF REPAIR	5,330.00	5,330.00
179795	11/22/23	ALPHA COMMUNICATIONS SITES INC 91000570 5530	SITE LEASE	191.45	191.45
179796	11/22/23	B.D. BUSH EXCAVATION, INC 11000188 6010 4190	3300 S PIPELINE REPLACEMENT	310,721.75	310,721.75
179797	11/22/23	BECK CONSTRUCTION & EXCAVATION 11000188 6010 4190	3300 S PIPELINE REPLACEMENT	1,428,643.68	1,428,643.68
179798	11/22/23	BLAINE & CHERRELL HILL TRUST 62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	1,028.26	1,028.26
179799	11/22/23	BOWCUTT'S FLOORING AMERICA 83000570 5350	CARPET FOR MAP ROOM	1,820.45	1,820.45
179800	11/22/23	CRS CONSULTING ENGINEERS INC 11000180 6010 4293	9800 S 2300 E WELL EQUIPPING	392.50	392.50
179801	11/22/23	DAVID GREGORY 90000650 5290	LIVE 360	116.84	116.84
179802	11/22/23	DOMINION ENERGY 71000590 5420 75300590 5420 75300590 5420 75300590 5420 75300590 5420 75300590 5420 75300590 5420	15305 S 3200 W 1200 E 9400 S 1845 CREEK RD 2400 CREEK RD 7800 S 1000 E 8153 S 700 E 8200 S 1000 E	6,660.38 22.61 29.06 0.02 31.17 41.90 32.97	6,818.11
179803	11/22/23	EVELYN THOMAS 62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	2,750.60	2,750.60
179804	11/22/23	GINGER M MOULTON FAMILY TRUST 62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	14,271.15	14,271.15
179805	11/22/23	HAZEN & SAWYER, P. C 11000182 6010 4255	JVWTP BASINS 1-2 SEISMIC AND C	187,310.25	187,310.25
179806	11/22/23	HOSE & RUBBER SUPPLY LLC 82000570 5380	CAMLOCK FITTINGS & CLAMPS FOR BYPROD	159.82	159.82
179807	11/22/23	JERRY SEINER 81000570 5330	TRUCK REPAIR AT SEINERS.	324.07	324.07
179808	11/22/23	JORDAN SCHOOL DISTRICT 62000570 5270	FIELD TRIP REIMBURSEMENT - JORDAN HILL	349.71	349.71

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PAYMENT REGISTER - O&M ACCOUNT

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

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
179809	11/22/23	KAITLIN KRUMWIEDE 62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	539.24	\$539.24
179810	11/22/23	LEGAL SHIELD 11000200 2135	PAYROLL103123	1,308.85	1,308.85
179811	11/22/23	LINDE GAS & EQUIPMENT 78000590 5720	REPLACEMENT REGULATOR AND GAS SWITCH	1,899.45	1,899.45
179812	11/22/23	MELLISSA INOUYE 62000570 5670	LOCALSCAPES REWARDS PROGRAM PAYME	503.53	503.53
179813	11/22/23	ROCKY MOUNTAIN POWER			38,795.86
		52000570 5400	311522760124	11.60	
		52000570 5400	311522760132	11.11	
		75200590 5410	175509260063	11.36	
		75200590 5410	287176760018	29.00	
		75200590 5410	311522760546	147.76	
		75200590 5410	329228560010	58.40	
		75300590 5410	175509260105	43.72	
		75300590 5410	175509260162	41.21	
		75300590 5410	261824160038	243.88	
		75300590 5410	261824160046	118.57	
		75300590 5410	913799040047	207.49	
		75500590 5410	175509260295	8,065.72	
		75500590 5410	175509260360	394.17	
		75500590 5410	227856660120	8,163.45	
		75500590 5410	259822160018	1,433.53	
		75500590 5410	266289460013	13,794.52	
		75500590 5410	175509260238	5,729.07	
		75600590 5410	377131660047	15.05	
		75600590 5410	377220560033	25.90	
		75600590 5410	227856660039	39.17	
		75600590 5410	311522760033	20.56	
		75600590 5410	311522760157	35.03	
		75600590 5410	311522760181	13.46	
		75600590 5410	311522760363	19.26	
		75600590 5410	311522760462	18.63	
		75600590 5410	227856660013	29.36	
		75700590 5410	175509260261	45.28	
		75700590 5410	311522760611	29.60	
179814	11/22/23	SALT CITY GIFTING 51000650 5170	HOLIDAY BASKETS FOR MEMBER AGENCIES	480.00	480.00
179815	11/22/23	SALT LAKE CITY SCHOOL DISTRICT 62000570 5270	BUS REIMBURSEMENT - ENSIGN ELEMENTAF	218.00	218.00
179816	11/22/23	SANDY CITY			23.96
		75300590 5430	1784 CREEK RD	14.98	
		75300590 5430	1787 CREEK RD	8.98	
179817	11/22/23	SITE ONE LANDSCAPE SUPPLY 83071570 5350	SNOW PLOW ICE MELT SALT FOR SIDEWALKS	509.60	509.60

JORDAN VALLEY WATER CONSERVANCY DISTRICT

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

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
179818	11/22/23	SOUTH VALLEY SEWER DISTRICT			\$225.38
		75300590 5430	3145 W 11400 S	25.00	
		75300590 5430	3257 W 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	50.38	
		75501590 5430	9816 S 1300 W 1	25.00	
		75501590 5430	9911 S 2700 W	25.00	
179819	11/22/23	STANDARD PLUMBING SUPPLY/SPRINKLER WORLD			75.55
		83071570 5350	PARTS TO FIX THE TOILET AT JWVTP 3RD FL	48.41	
		11000184 6010 4220	EMERGENCY GENERATORS PHASE 2	27.14	
179820	11/22/23	UTAH BUREAU OF CRIMINAL IDENTIFICATION			66.50
		51000650 5170	EMPLOYEE BACKGROUND CHECK	66.50	
179821	11/22/23	UTAH LAKE DISTRIBUTING COMPANY			7,580.00
		70000510 5820	ASSESMENT FEES	7,580.00	
179822	11/22/23	WATER SYSTEMS ENGINEERING, INC.			1,740.00
		11000180 6010 4076	WELL PERFORMANCE AND CONDITION	1,740.00	
179823	11/29/23	CITY OF SOUTH SALT LAKE			60.00
		52000570 5400	208 E WILSON	60.00	
179824	11/29/23	GENEVA ROCK PRODUCTS INC			180.40
		83071570 5350	GRAVEL FOR UPPER POND AT JWVTP	180.40	
179825	11/29/23	INTERMOUNTAIN FARMERS ASSOCIATION			129.99
		81000570 5310	RUBBER BOOTS	129.99	
179826	11/29/23	JASON T BROWN			87.98
		90000650 5290	360 TECH CONFERENCE	87.98	
179827	11/29/23	JOHNSTONE SUPPLY			358.30
		81000570 5380	HEATER REPAIR 23 AND 98TH	358.30	
179828	11/29/23	JORDAN RIVER COMMISSION			5,500.00
		51000650 5170	JORDAN RIVER COMMISSION MEMBER AGEN	5,500.00	
179829	11/29/23	KEARNS METRO TOWNSHIP			19,368.21
		62000570 5670	COMMERCIAL LANDSCAPE INCENTIVE 9-11 M	19,368.21	
179830	11/29/23	LAYTON CITY			79.80
		52000570 5400	997 GENTILE	79.80	
179831	11/29/23	MARSHALL CLARK			19.84
		90000650 5290	360 TECH CONFERENCE	19.84	
179832	11/29/23	METAL SUPERMARKETS			491.48
		81072570 5380	STAINLESS PLATES FOR THE FILTER CAMER.	491.48	
179833	11/29/23	MILLBURN LAWN & LANDSCAPE			3,202.90
		83071570 5350	JWVTP COMPREHENSIVE FALL CLEAN-UP	3,202.90	
179834	11/29/23	NAPA GENUINE AUTO PARTS COMPANY			389.39
		81000570 5330	REPAIR PARTS FROM NAPA	389.39	

JORDAN VALLEY WATER CONSERVANCY DISTRICT

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

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
179835	11/29/23	PFM ASSET MANAGEMENT LLC 51000650 5280	INVESTMENT ADVISOR FEE	650.88	\$650.88
179836	11/29/23	POSTMASTER 60000650 5250	RETAIL BILLING POSTAGE	4,100.00	4,100.00
179837	11/29/23	REUNION VILLAGE / JAY BOWCUTT 62000570 5670	COMMERCIAL LANDSCAPE INCENTIVE REUN	2,550.00	2,550.00
179838	11/29/23	ROBERT W. KELEZ 11000170 6010	WATER SHARES	24,900.00	24,900.00
179839	11/29/23	ROCKY MOUNTAIN POWER			63,583.62
		71000590 5410	175509260287	20,501.87	
		75200590 5410	175509260253	39.30	
		75200590 5410	227856660021	122.30	
		75200590 5410	311522760330	30.86	
		75200590 5410	311522760512	3,053.77	
		75200590 5410	311522760553	73.98	
		75300590 5410	911749030019	164.65	
		75300590 5410	311522760074	574.77	
		75300590 5410	326593760019	121.00	
		75300590 5410	333110060014	58.60	
		75300590 5410	333819860011	60.19	
		75300590 5410	333822660010	32.72	
		75300590 5410	376190160014	295.36	
		75300590 5410	175509260048	58.23	
		75300590 5410	175509260055	61.78	
		75300590 5410	175509260170	17.90	
		75300590 5410	175509260329	121.85	
		75300590 5410	175509260386	95.34	
		75300590 5410	311522760017	194.36	
		75500590 5410	175509260410	37,533.09	
		75500590 5410	913799040021	213.82	
		75600590 5410	311522760454	31.55	
		75600590 5410	311522760470	19.38	
		75600590 5410	311522760629	15.67	
		75600590 5410	175509260246	14.20	
		75600590 5410	175509260352	47.60	
		75600590 5410	175509260394	29.48	
179840	11/29/23	SADIE L. VELARDE REVOCABLE LIVING TRUST 11000170 6010	WATER SHARES	26,600.00	26,600.00
179841	11/29/23	SANDY CITY 52000570 5400	579 W 9400 S	8.98	8.98
179842	11/29/23	SELECTHEALTH 11000200 2135	PAYROLL 103123	245,625.10	245,625.10
179843	11/29/23	SMALLEY & COMPANY 83000570 5350	EPOXY GROUT TO FIX THE FLOOR IN CONFE	422.30	422.30
179844	11/29/23	STANDARD PLUMBING SUPPLY/SPRINKLER WORLD 81071570 5380	FITTINGS FOR SAMPLE LINE AND DRILL BITS	123.62	123.62
179845	11/29/23	US BANK FINANCIAL 11000200 2132	PCARDS 102623-112723	33,904.91	33,904.91

JORDAN VALLEY WATER CONSERVANCY DISTRICT

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PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
179846	11/29/23	UTAH COMMUNICATIONS INC 91000570 5530	MAINTENANCE CONTRACT	40.00	\$40.00
504954 EFT	11/3/23	ACCUSTANDARD INC 78000590 5720	ANION STANDARDS	212.32	212.32
504955 EFT	11/3/23	BARRETT BUSINESS SERVICES, INC 52000650 5280 62000570 5350 62000570 5670	TEMP EMPLOYEES TIME TEMP EMPLOYEES TIME TEMP EMPLOYEES TIME	2,120.44 2,838.72 846.20	5,805.36
504956 EFT	11/3/23	CHEMTECH-FORD INC 77073590 5770 77075590 5770	WATER QUALITY ANALYSIS WATER QUALITY ANALYSIS	43.00 64.00	107.00
504957 EFT	11/3/23	DLT SOLUTIONS LLC 90000650 5230	RENEW AUTODESK GIS SOFTWARE	707.26	707.26
504958 EFT	11/3/23	ELECSYS INTERNATIONAL CORPORATION 90000650 5230 90101650 5230	ELECSYS CATHODIC PROTECTION MONTHLY ELECSYS CATHODIC PROTECTION MONTHLY	70.00 250.00	320.00
504959 EFT	11/3/23	ENERGY MANAGEMENT CORPORATION 91000570 5310	REPLACEMENT COOLING FANS FOR P7 AT 11	14,064.00	14,064.00
504960 EFT	11/3/23	ENVIRONMENTAL RESOURCE ASSOCIATES 78000590 5720	WS PT SAMPLES FOR APRIL & OCTOBER	346.96	346.96
504961 EFT	11/3/23	FASTENAL COMPANY 81071570 5380	CLAMPS FOR THE CHLORINE VAULTS	1,347.55	1,347.55
504962 EFT	11/3/23	GRITTON & ASSOCIATES 81000570 5380	PUMP SEAL FOR PUMP AT 118TH AND 3200WI	246.00	246.00
504963 EFT	11/3/23	HAILEY GOODRICH 62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	828.40	828.40
504965 EFT	11/3/23	HEATH ENGINEERING COMPANY 11000160 6010 4287 11000182 6010 4279	SWGWP & EDUCATION BLDG HVAC I JVWTP HIGH-RISE BOILERS REPLAC	4,000.00 210.00	4,210.00
504966 EFT	11/3/23	INDUSTRIAL SUPPLY 83000570 5310	RAIN GEAR AND BOOTS FOR DILLON ELSBEF	116.12	116.12
504967 EFT	11/3/23	KILGORE COMPANIES, LLC 82000570 5380	ASPHALT	231.08	231.08
504968 EFT	11/3/23	KIM YORE 62000570 5670	LOCALSCAPES REWARDS PROGRAM PAYME	2,316.47	2,316.47
504969 EFT	11/3/23	MARINDA WESSMAN 62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	1,520.00	1,520.00
504970 EFT	11/3/23	MCCONNEHEY CHRISTOPHER 62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	805.00	805.00
504971 EFT	11/3/23	MOUNTAINLAND SUPPLY COMPANY 75002570 5380 81000570 5380	METERS BRASS VALVES FOR EYE WASH STATIONS	6,521.36 496.10	7,017.46

JORDAN VALLEY WATER CONSERVANCY DISTRICT

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PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
504972	EFT 11/3/23	OLYMPUS SAFETY & SUPPLY LLC 80000570 5260	CALIBRATION GAS FOR SNIFFERS	705.00	\$705.00
504973	EFT 11/3/23	PERKIN ELMER HEALTH SCIENCES INC 78000590 5720	PRIMARY COLUMN FOR HAA5	963.00	963.00
504974	EFT 11/3/23	PLATT ELECTRIC SUPPLY INC 81072570 5360 83000570 5350	LIGHTS FOR SERWTP PARKING LOT POWER CENTER/BREAKER BOX FOR THE NE	63.61 2,016.91	2,080.52
504975	EFT 11/3/23	SALT LAKE CONCRETE 11000186 6010 4328	CONCRETE REPLACEMENT AT DRY CREEK	24,500.00	24,500.00
504976	EFT 11/3/23	SEAN MINER 62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	850.00	850.00
504977	EFT 11/3/23	SHARON GOURLEY 62000570 5670	FLIP YOUR STRIP PAYMENT	360.90	360.90
504978	EFT 11/3/23	STEVE REGAN COMPANY 83000570 5350	PARTS FOR PULL BEHIND TANK SPRAYER AN	907.64	907.64
504979	EFT 11/3/23	THATCHER COMPANY 71000590 5710 72000590 5710 72000590 5710	CHEMICALS FOR JVWTP - PACL PURCHASE FOR FLUORIDE FOR FISCAL YEA PURCHASE OF CHLORINE FOR THE FISCAL Y	20,942.16 7,250.75 15,938.52	44,131.43
504980	EFT 11/3/23	TRANS-JORDAN CITIES 83000570 5350	GREEN AND MIXED WASTE	296.00	296.00
504981	EFT 11/3/23	UTAH YAMAS CONTROLS INC 90000650 5230 90072650 5230 90073650 5230	SECURITY CAMERA REPAIRS AT HEADQUART SECURITY CAMERA REPAIRS AT SERWTP SECURITY CAMERA REPAIRS AT SWGWTP	975.00 1,739.00 452.50	3,166.50
504982	EFT 11/3/23	WENDY NICHOLES 62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	940.80	940.80
504983	EFT 11/3/23	ACCUSTANDARD INC 78000590 5720	THMS STANDARDS	940.88	940.88
504984	EFT 11/3/23	ACTION LOCKSMITH 83000570 5350	SHED AND BEST LOCK KEYS	73.50	73.50
504985	EFT 11/3/23	ADVANCED ENGINEERING & ENVIRONMENTAL SERVICES 11000182 6010 4284 11000184 6010 4199 11000184 6010 4199	SERWTP POLYMER SYSTEM UPGRADES 3200 WEST 10200 SOUTH BOOSTER 3600 WEST 10200 SOUTH PUMP STATION	1,980.00 23,267.25 20,821.15	46,068.40
504986	EFT 11/3/23	ALTA PAINTS & COATINGS INC 83000570 5350	PAINTING SUPPLIES	363.10	363.10
504987	EFT 11/3/23	BARRETT BUSINESS SERVICES, INC 52000650 5280 62000570 5350 62000570 5670	TEMP EMPLOYEES TIME TEMP EMPLOYEES TIME TEMP EMPLOYEES TIME	3,139.56 2,584.72 554.85	6,279.13
504988	EFT 11/3/23	BIZWEAR 77000590 5170	UNIFORM ORDER	122.00	122.00

JORDAN VALLEY WATER CONSERVANCY DISTRICT

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504989	EFT 11/13/23	BLUE STAR GAS 75300590 5420	PROPANE DELIVERED TO CWP	674.98	\$674.98
504990	EFT 11/13/23	BOWEN COLLINS & ASSOCIATES 11000175 6010 4257 11000180 6010 4242 11000180 6010 4310 11000186 6010 4231	SOUTHEAST COLLECTION LINE COND WELL DEVELOPMENT & TEST PUMPIN 13&64 WELL REPAIR 5200 WEST 6200 SOUTH RESERVOIR	885.00 7,397.58 4,500.50 26,055.78	38,838.86
504991	EFT 11/13/23	CHANDLER & JULIE WHIPPLE TRUST 62000570 5670	LOCALSCAPES REWARDS PROGRAM PAYME	816.42	816.42
504992	EFT 11/13/23	CHEMTECH-FORD INC 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	150.00 182.00 32.00 1,552.00 150.00	2,066.00
504993	EFT 11/13/23	CINTAS CORPORATION 72000590 5260	FIRST AID SUPPLIES	135.53	135.53
504994	EFT 11/13/23	DAVID EVANS & ASSOCIATES (DEA) 11000184 6010 4322	32&62 SUCTION VAULT IMPROVEMENTS	4,993.68	4,993.68
504995	EFT 11/13/23	FERGUSON ENTERPRISES LLC 82000570 5380 51000000 6210	6-SAMPLE STATIONS CRITICAL PARTS DAY T REPLACE SAMPLE STN AT 532 W BILLINIS RD	7,246.80 1,207.80	8,454.60
504996	EFT 11/13/23	HACH COMPANY 77000590 5750	FIELD EQUIPMENT	267.72	267.72
504997	EFT 11/13/23	HANSEN ALLEN & LUCE INC 11000180 6010 4280 11000180 6010 4281 11000184 6010 4241	EQUIPPING OF 76&7 AND 78&10 WE COLLEGE ST. WELL REPAIR 2022-23 VAULT IMPROVEMENT PROJ	21,710.25 4,476.88 7,793.00	33,980.13
504998	EFT 11/13/23	HOUSTON PAINTING COMPANY 83140570 5380	150TH VAULT PAINTING	14,000.00	14,000.00
504999	EFT 11/13/23	INFINITY CORROSION GROUP INC 11000178 6010 4223	JA-3 CATHODIC PROTECTION SYSTE	8,169.70	8,169.70
505000	EFT 11/13/23	IVORY HOMES 62000570 5670	LOCALSCAPES HOMEBUILDER REWARDS	49,724.37	49,724.37
505001	EFT 11/13/23	MARCUS G FAUST PC 51000650 5284	PROFESSIONAL CONSULTING SERVICES	3,000.00	3,000.00
505002	EFT 11/13/23	MOUNTAINLAND SUPPLY COMPANY 82000570 5310 75002570 5380	6-M18 BATTERY PACKS 4-FOR PLM 2-FOR AQ 3 INCH SENSUS OMNI METER	665.33 1,053.03	1,718.36
505003	EFT 11/13/23	NATIONAL FLOOD & FIRE NETWORK 83000570 5380 83000570 5380	114 & 32 CEILING FINAL REPAIR 114 & 32 CEILING REMEDIATION	1,891.56 2,477.89	4,369.45
505004	EFT 11/13/23	NICKERSON COMPANY INC 11000180 6010 4119	FOUR WELL REHABILITATION PROJE	3,482.00	3,482.00

JORDAN VALLEY WATER CONSERVANCY DISTRICT

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505005	EFT 11/13/23	PROFESSIONAL PEST CONTROL LLC			\$620.00
		83000570 5350	PEST CONTROL FOR THE MONTH OF OCTOB	270.00	
		83071570 5350	PEST CONTROL FOR THE MONTH OF OCTOB	200.00	
		83072570 5350	PEST CONTROL FOR THE MONTH OF OCTOB	100.00	
		83073570 5350	PEST CONTROL FOR THE MONTH OF OCTOB	50.00	
505006	EFT 11/13/23	QUICK QUACK			259.90
		83000570 5360	TRIAL WASH FOR SELECTED FLEET VEHICLE	259.90	
505007	EFT 11/13/23	ROCKY MOUNTAIN WIRE ROPE			431.37
		81000570 5380	HOOK FOR CRANE 114TH AND 3200W	431.37	
505008	EFT 11/13/23	ROYAL WHOLESALE ELECTRIC			11,212.85
		91000570 5310	PLC PARTS FOR MODBUS METERS 75	7,945.85	
		91000570 5310	REPLACE FAN CONTACTORS 11800 S BOOST	443.58	
		91000570 5310	REPLACE PLC PARTS AT 20 & 86 WELL	2,823.42	
505009	EFT 11/13/23	SALT LAKE CONCRETE			75.00
		11000186 6010 4328	CONCRETE REPLACEMENT AT DRY CREEK	75.00	
505010	EFT 11/13/23	SMITH SYSTEM DRIVER IMPROVEMENT			6,919.09
		51000650 5260	SMITH SYSTEM COURSES - OCTOBER 17-19	6,919.09	
505011	EFT 11/13/23	THATCHER COMPANY			74,903.13
		71000590 5710	CHEMICALS FOR JVWTP - LIQUID CHLORINE	24,740.00	
		72000590 5710	PURCHASE OF CHLORINE FOR THE FISCAL Y	15,973.12	
		72000590 5710	PURCHASE OF PACL FOR FISCAL YEAR 2024	20,942.16	
		75000590 5710	SODIUM HYPOCHLORITE FOR DIST.	13,247.85	
505012	EFT 11/13/23	VANCON INC			433,967.60
		11000188 6010 4190	3300 S PIPELINE REPLACEMENT	288,800.00	
		11000184 6010 4199	10200 S 3600 W PUMP STATION	135,667.60	
		11000184 6010 4241	2023 VAULT IMPROVEMENT PROJECT	9,500.00	
505013	EFT 11/13/23	VANGUARD CLEANING SYSTEMS OF UTAH			7,389.45
		83000570 5360	JANITORIAL SERVICES	4,813.42	
		83071570 5360	JANITORIAL SERVICES	1,562.38	
		83072570 5360	JANITORIAL SERVICES	600.90	
		83073570 5360	JANITORIAL SERVICES	412.75	
505014	EFT 11/13/23	VWR INTERNATIONAL INC			374.45
		78000590 5720	LAB SUPPLIES	374.45	
505015	EFT 11/13/23	WNA SERVICES CO.			150.00
		51000650 5170	UTHA NEWS TRACKER READING CHARGE	150.00	
505016	EFT 11/13/23	WW GRAINGER			39.39
		81000570 5380	VENT FAN FOR CHLORINE TRAILER ZONE D	39.39	
505017	EFT 11/17/23	ADVANCED ENGINEERING & ENVIRONMENTAL SERVICES			12,361.00
		11000184 6010 4311	GENERATOR PROJECT PHASE II	12,361.00	
505018	EFT 11/17/23	AGILENT TECHNOLOGIES INC			1,508.05
		78000590 5720	HAA5 CONSUMABLES	1,508.05	
505019	EFT 11/17/23	AIRGAS USA, LLC			287.22
		81000570 5310	REFILL WELDING GASES, SHOP	287.22	
505020	EFT 11/17/23	BATEMAN MOBIL 1 LUBE EXPRESS			89.95
		81000570 5360	A SERVICE FOR VEHICLE 735	89.95	

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PAYMENT REGISTER - O&M ACCOUNT

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

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
505021	EFT 11/17/23	BARRETT BUSINESS SERVICES, INC			\$5,872.87
		52000650 5280	TEMP EMPLOYEE TIME	2,021.80	
		62000570 5350	TEMP EMPLOYEE TIME	2,503.76	
		62000570 5670	TEMP EMPLOYEE TIME	1,347.31	
505022	EFT 11/17/23	BIZWEAR			9,857.50
		80000570 5170	EMPLOYEE UNIFORM ORDERS	2,873.50	
		80000570 5170	EMPLOYEE UNIFORMS	5,785.00	
		91000570 5170	EMPLOYEE UNIFORM ORDERS	1,199.00	
505023	EFT 11/17/23	BLUE STAKES OF UTAH			2,557.80
		82000570 5390	BLUE STAKES OF UTAH	2,557.80	
505024	EFT 11/17/23	CHEMTECH-FORD INC			1,395.00
		77073590 5770	WATER QUALITY ANALYSIS	1,395.00	
505025	EFT 11/17/23	CORE & MAIN			4.14
		75002570 5380	3/4 INCH PLUG	4.14	
505026	EFT 11/17/23	CUMMINS SALES AND SERVICE			1,217.90
		81000570 5380	REPAIR ON THE GENERATOR AT 118TH AND S	1,217.90	
505027	EFT 11/17/23	DOUGLAS TERAMOTO			5,944.60
		62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	5,944.60	
505028	EFT 11/17/23	EXPRESS AUTO GLASS INC			750.00
		81000570 5330	WINDSHIELD REPLACEMENT.	750.00	
505029	EFT 11/17/23	FOLIAGE, INC			420.00
		51000650 5350	PLANT SERVICES	420.00	
505030	EFT 11/17/23	GEOSYNTEC			6,381.59
		11000186 6010 4271	8-MG & 2-MG STEEL RESERVOIRS PAINT AND	6,381.59	
505031	EFT 11/17/23	HACH COMPANY			10,236.00
		91073570 5310	TOTAL ALKALINITY ANALYZER SERVICE AGRE	10,236.00	
505032	EFT 11/17/23	HANSEN ALLEN & LUCE INC			2,058.75
		11000180 6010 4281	COLLEGE ST. WELL REPAIRS	2,058.75	
505033	EFT 11/17/23	HARRINGTON INDUSTRIAL PLASTICS LLC			181.70
		75000570 5380	3/4" BALL VALVES FOR TERMINAL CL2 BULK T	130.40	
		75000570 5380	SCREENS FOR Y-STRAINERS	51.30	
505034	EFT 11/17/23	INDUSTRIAL PIPING & WELDING INC			24,090.00
		73073570 5380	LEAK REPAIR ON STAINLESS PIPING AT SWG	18,898.00	
		81072570 5380	LEAK REPAIR ON STAINLESS PIPING AT SWG	5,192.00	
505035	EFT 11/17/23	JACOBS ENGINEERING GROUP INC			21,844.40
		11000186 6010 4276	11800 SOUTH ZONE C RESERVOIR	21,844.40	
505036	EFT 11/17/23	JESSE NELSON			1,161.06
		62000570 5670	LOCALSCAPES REWARDS PROGRAM PAYME	1,161.06	
505037	EFT 11/17/23	JOSEPH BILINSKI			3,408.00
		62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	3,408.00	
505038	EFT 11/17/23	KARISSA EVENSEN			1,222.31
		62000570 5670	LOCALSCAPES REWARDS PROGRAM PAYME	1,222.31	

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PAYMENT REGISTER - O&M ACCOUNT

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

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
505039	EFT 11/17/23	KERRY MILNE 62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	1,761.76	\$1,761.76
505040	EFT 11/17/23	K.O.H. MECHANICAL CONTRACTORS, INC 11000182 6010 4279	JVWTP BOILERS REPLACEMENT PROJ	83,885.00	83,885.00
505041	EFT 11/17/23	KWIK KOPY PRINTING 51000650 5220	BUSINESS CARDS	46.00	46.00
505042	EFT 11/17/23	KYLE SWENSON 62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	11,991.87	11,991.87
505043	EFT 11/17/23	LARRY H MILLER FORD 81000570 5330	CROSS OVER INTAKE FOR 706	114.40	114.40
505044	EFT 11/17/23	MARTIN & KIMBERLY NAVRATIL 62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	4,238.85	4,238.85
505045	EFT 11/17/23	METRON FARNIER 75002570 5380	3 INCH METRON METER	1,881.40	1,881.40
505046	EFT 11/17/23	METROPOLITAN WATER DISTRICT 70000510 5810	MWDLSL SEPTEMBER 2023 WATER DELIVER	77,589.98	77,589.98
505047	EFT 11/17/23	MOUNTAIN WEST PIPE & SUPPLY 81071570 5380	VICTOLIC GASKET FOR RECLAIM LINE JVWT	35.00	35.00
505048	EFT 11/17/23	MOUNTAINLAND SUPPLY COMPANY 75002570 5380 75002570 5380 82000570 5380	4 INCH OMNI METER SENSUS 6 INCH OMNI METER 2-SAMPLING TAP HOSE BIBS FOR RO LINE V/	971.84 1,818.04 31.61	2,821.49
505049	EFT 11/17/23	MOWER MEDIC 81000570 5330	STARTER, BLADE-ROTOR, CHOKE KNOB, 4 C	494.32	494.32
505050	EFT 11/17/23	NICKERSON COMPANY INC 11000180 6010 4213	WELLS REPAIR AND REPLACE-DW8	3,347.00	3,347.00
505051	EFT 11/17/23	REGAN NORDGREN 80000570 5290	CDL LIC FEE REIMBURSEMENT	52.00	52.00
505052	EFT 11/17/23	RHINEHART OIL COMPANY LLC 81000570 5330	GLASS CLEANER, TIRE DRESS.	296.33	296.33
505053	EFT 11/17/23	SPRINKLER SUPPLY COMPANY 81000570 5330	1"X 3/4" HOSE SWIVEL ELBOW.	96.48	96.48
505054	EFT 11/17/23	STAPLES BUSINESS ADVANTAGE 51000650 5220 70000590 5360	102623 102623	320.38 139.36	459.74
505055	EFT 11/17/23	SUNNY JOHNSON 62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	2,810.40	2,810.40
505056	EFT 11/17/23	SWIRE COCA-COLA USA 51000650 5170	COKE PRODUCTS	67.40	67.40
505057	EFT 11/17/23	TINTOMETER INC 91072570 5310	REPLACE TURBITITY METER FOR FILTER INF	4,536.34	4,536.34

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PAYMENT REGISTER - O&M ACCOUNT

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

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
505058	EFT 11/17/23	TIRE WORLD 81000570 5330	REPLACEMENT TIRES FOR TRAILERS AND TF	2,854.44	\$2,854.44
505059	EFT 11/17/23	UNITED FENCE 51000000 6210 11000186 6010 4327	3200 W 6200 S FENCE REPAIRED - DAMAGED FENCE REPLACEMENT AT DRY CREEK	4,160.00 12,842.00	17,002.00
505060	EFT 11/17/23	UNIVAR USA INC 73000590 5710	PO CAUSTIC SODA 23/24 FISCAL YEAR	6,027.79	6,027.79
505061	EFT 11/17/23	UTAH LAKE WATER USERS ASSOCIATION INC 70000510 5810	ULWUA OCTOBER 2023 MAINTENANCE	1,268.80	1,268.80
505062	EFT 11/17/23	VANCON INC 11000182 6010 4070 11000184 6010 4083	TREATMENT R&R-ITEM 1 JVVWP BLOWER RC AC MITIGATION & MONITORING PROJECT	2,265.90 354,297.75	356,563.65
505063	EFT 11/17/23	WASATCH STEEL 81071570 5380	STEEL TO REPAIR SWEEP BASIN 1 JVVWP	153.02	153.02
505064	EFT 11/17/23	WEST WIND LITHO 60000650 5270	SUMMARY OF OPERATIONS PRINTING	1,321.00	1,321.00
505065	EFT 11/17/23	WHEELER 81071570 5360	EQUIPMENT RENTAL TO DIG THE MONOFILL /	28,348.00	28,348.00
505066	EFT 11/17/23	WW GRAINGER 82000570 5310 82000570 5380 77000590 5750	1- 1" THREAD TAP FOR CP LINE AIR VACS ROLL PINS FOR VALVE GEAR BOXES FIELD EQUIPMENT	83.05 83.10 190.64	356.79
505067	EFT 11/28/23	AIRGAS USA, LLC 82000570 5310	WELDING GAS & TWECO WELDING LEAD TEF	88.92	88.92
505068	EFT 11/28/23	ALEX MITCHELL 51000650 5180	TUITION REIMBURSEMENT	3,462.50	3,462.50
505069	EFT 11/28/23	BARRETT BUSINESS SERVICES, INC 62000570 5350	TEMP EMPLOYEES TIME	4,302.02	4,302.02
505070	EFT 11/28/23	BIZWEAR 51000650 5170	UNIFORM ALLOWANCE	49.00	49.00
505071	EFT 11/28/23	BOWEN COLLINS & ASSOCIATES 11000186 6010 4231 11000182 6010 4325	5200 WEST 6200 SOUTH RESERVOIR SWGWP FINISHED WATER RESERVOIR REP	26,067.50 1,316.75	27,384.25
505072	EFT 11/28/23	BROWN AND CALDWELL CORP. 11000140 6010 4294	LCRR SERVICE LINE INVENTORY	4,798.50	4,798.50
505073	EFT 11/28/23	CAROLLO ENGINEERS INC 11000182 6010 4289	JVVWP FILTER AND CHEMICAL FEED	116,551.05	116,551.05
505074	EFT 11/28/23	CENTRAL UTAH WATER CONSERVANCY DISTRICT 70000510 5810	CUWCD CWP WATER DELIVERIES OCTOBER7	23,867.90	723,867.90

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PAYMENT REGISTER - O&M ACCOUNT

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

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
505075	EFT 11/28/23	CHEMTECH-FORD INC			\$3,265.00
		77000590 5770	WATER QUALITY ANALYSIS	150.00	
		77071590 5770	WATER QUALITY ANALYSIS	185.02	
		77072590 5770	WATER QUALITY ANALYSIS	353.00	
		77073590 5770	WATER QUALITY ANALYSIS	1,620.99	
		77075590 5770	WATER QUALITY ANALYSIS	955.99	
505076	EFT 11/28/23	CORRIO CONSTRUCTION, INC.			142,328.00
		11000178 6010 4221	POTM ACTUATOR REPLACEMENTS	9,203.02	
		11000188 6010 4204	ZONE D CHEMICAL FEED FACILITY	133,124.98	
505077	EFT 11/28/23	CRAIG LAZERUS			3,255.00
		62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	3,255.00	
505078	EFT 11/28/23	DAVID EVANS & ASSOCIATES (DEA)			25,988.64
		11000184 6010 4322	32&62 SUCTION VAULT IMPROVEMENTS	25,988.64	
505079	EFT 11/28/23	ERIC DAVIS			348.00
		72000590 5290	ERIC DAVIS CERTIFICATION REIMBURSEMEN	348.00	
505080	EFT 11/28/23	FINLINSON & FINLINSON PLLC			17,313.00
		51000650 5284	PREP 60	17,313.00	
505081	EFT 11/28/23	FRANK SMITH			60.76
		52000570 5400	WINSLOW PROPERTY REPAIRS	60.76	
505082	EFT 11/28/23	HACH COMPANY			508.68
		71000590 5720	LAB CHEMKEYS	349.62	
		82000570 5360	DPD CHLORINE REAGENT DISPENSER	159.06	
505083	EFT 11/28/23	HANSEN ALLEN & LUCE INC			34,238.30
		11000188 6010 4204	ZONE D CHEMICAL FEED FACILITY	8,759.30	
		11000180 6010 4280	EQUIPPING OF 76&7 AND 78&10 WE	25,479.00	
505084	EFT 11/28/23	HARRINGTON INDUSTRIAL PLASTICS LLC			653.78
		81072570 5380	FITTINGS AND PIPE FOR CHLORINE TRANSFI	653.78	
505085	EFT 11/28/23	HO TAM			8,662.80
		62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	8,662.80	
505086	EFT 11/28/23	JACOBS ENGINEERING GROUP INC			55,637.28
		11000186 6010 4276	11800 SOUTH ZONE C RESERVOIR	55,637.28	
505087	EFT 11/28/23	JEFFREY MIDGLEY			20,447.67
		62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	20,447.67	
505088	EFT 11/28/23	KATHY POULSEN			3,745.60
		62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	3,745.60	
505089	EFT 11/28/23	LARRY H MILLER FORD			2,532.02
		81000570 5330	TURBO FOR 706	2,532.02	
505090	EFT 11/28/23	MICHAEL AND JESSICA TAIT			245.00
		62000570 5670	FLIP YOUR STRIP PAYMENT	245.00	
505091	EFT 11/28/23	MIKE FALVO			1,501.76
		62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	1,501.76	

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PAYMENT REGISTER - O&M ACCOUNT

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

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
505092	EFT 11/28/23	MIKE RASMUSSEN 80000570 5290	CDL LIC AND TANKER FEES	61.00	\$61.00
505093	11/28/23	NELSON BROTHERS CONSTRUCTION COMPANY			VOID
505094	EFT 11/28/23	OLYMPUS SAFETY & SUPPLY LLC 75000590 5260	CONES, CALIBRATION GAS, CARTIDGES	989.00	989.00
505095	EFT 11/28/23	RALPH L WADSWORTH 11000186 6010 4231	5200 WEST 6200 SOUTH RESERVOIR	430,925.70	430,925.70
505096	EFT 11/28/23	ROBERT ARTHUR 62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	3,373.00	3,373.00
505097	EFT 11/28/23	ROCKY MOUNTAIN WIRE ROPE 82000570 5310	RATCHET BINDERS & HOOKS FOR TRANSP	445.76	445.76
505098	EFT 11/28/23	SPRINKLER SUPPLY COMPANY 82000570 5380 83000570 5350 83072570 5350	3/4"STOP& WASTE,& BRASS FITTINGS METEF PARTS TO FIX SPRINKLERS AT SERWTP AND PARTS TO FIX SPRINKLERS AT SERWTP AND	103.67 440.96 178.54	723.17
505099	EFT 11/28/23	STAPLES BUSINESS ADVANTAGE 51000650 5220 73000590 5220 78000590 5720 80000570 5220	OFFICE SUPPLIES OFFICE SUPPLIES OFFICE SUPPLIES OFFICE SUPPLIES	115.66 42.33 137.82 445.27	741.08
505100	EFT 11/28/23	THATCHER COMPANY 71000590 5710	CHEMICALS FOR JVWTP - PACL	35,378.28	35,378.28
505101	EFT 11/28/23	THE DATA CENTER 60000650 5250 60000650 5250	FALL WATER USAGE REPORT MAILING SERVI NOVEMBER 2023 BILLING	796.24 1,846.49	2,642.73
505102	EFT 11/28/23	TRIBAL CONSTRUCTION 11000188 6010 4204	ZONE "D" RESERVOIR EROSION CONTROL PI	19,295.74	19,295.74
505103	EFT 11/28/23	VANCON INC 11000184 6010 4199 11000188 6010 4190	10200 S 3600 W PUMP STATION 3300 S PIPELINE REPLACEMENT	44,077.15 441,479.73	485,556.88
505104	EFT 11/28/23	VEOLIA WTS ANALYTICAL INSTRUMENTS, INC 78000590 5720	DEIONIZED WATER SYSTEM SUPPLIES	376.00	376.00
505105	EFT 11/28/23	WW GRAINGER 82000570 5310 91072570 5310	RAIN GEAR FOR VAI NEW BEACON LIGHT FOR RECLAIM BUILDINC	135.33 331.64	466.97
505106	EFT 11/30/23	BIZWEAR 71000590 5170 73000590 5170	BIZWEAR BACKORDERED UNIFORMS BIZWEAR BACKORDERED UNIFORMS	71.00 13.00	84.00
505107	EFT 11/30/23	BRAXTON MYLER 77000590 5290	D4 CERTIFICATION REIMBURSEMENT	174.00	174.00
505108	EFT 11/30/23	BUCHANAN ACCESS SYSTEMS LLC 81071570 5380	REPAIR SOUTH GATE JVWTP	179.75	179.75

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PAYMENT REGISTER - O&M ACCOUNT

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

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
505109	EFT 11/30/23	CENTURYLINK / LUMEN			\$1,836.70
		90000650 5230	VARIOUS LOCATIONS	485.57	
		90071650 5230	VARIOUS LOCATIONS	485.57	
		90072650 5230	VARIOUS LOCATIONS	432.68	
		90101650 5230	VARIOUS LOCATIONS	432.88	
505110	EFT 11/30/23	CORE & MAIN			31,900.40
		82000570 5380	CRITICAL PARTS C900 PVC 4",6",8",10"&12"	31,900.40	
505111	EFT 11/30/23	ERIC DAVIS			345.67
		72000590 5260	PRESCRIPTION LENS INSERTS FOR FULL-FA	345.67	
505112	EFT 11/30/23	EXPRESS AUTO GLASS INC			70.00
		81000570 5330	WINDSHIELD CHIP REPAIR	70.00	
505113	EFT 11/30/23	FASTENAL COMPANY			132.55
		81072570 5380	STAINLESS ANCHORS, WASHERS , NUTS FOF	132.55	
505114	EFT 11/30/23	HARRINGTON INDUSTRIAL PLASTICS LLC			172.57
		81071570 5380	CPVC PIPE AND FITTINGS FOR CHLOINE SYS	172.57	
505115	EFT 11/30/23	HOUSTON PAINTING COMPANY			11,200.00
		83000570 5380	DISTRIBUTION VAULTS GROUP 2	5,600.00	
		11000184 6010 4115	DISTRIBUTION VAULTS GROUP 2	5,600.00	
505116	EFT 11/30/23	JEFFREY HANSEN			23,287.74
		62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	23,287.74	
505117	EFT 11/30/23	METROPOLITAN WATER DISTRICT			63,440.05
		70000510 5810	MWDSLS OCTOBER 2023 WATER DELIVERIES	63,440.05	
505118	EFT 11/30/23	METROPOLITAN WINDOW CLEANING OF UTAH LLC			2,733.20
		83000570 5360	SEMI-ANNUAL WINDOW CLEANING SERVICE	2,225.20	
		83072570 5360	SEMI-ANNUAL WINDOW CLEANING SERVICE	508.00	
505119	EFT 11/30/23	MOUNTAINLAND SUPPLY COMPANY			2,307.27
		75002570 5380	SENSUS 3 INCH OMNI METER	963.69	
		81000570 5380	PIPE FLANGE SERWTP CHECK VALVE 23RD	206.04	
		81072570 5380	PIPE FLANGE SERWTP CHECK VALVE 23RD	49.65	
		82000570 5310	CORDLESS IMPACT, SAWZALL, 2 GRINDERS	1,087.89	
505120	EFT 11/30/23	MURRAY CITY CORPORATION			63.13
		75309590 5410	350 E 4500 S PUMP	63.13	
505121	EFT 11/30/23	NELSON BROTHERS CONSTRUCTION COMPANY			109,746.85
		11000184 6010 4275	INSTALL PUMP #1 AT OLD BINGHAM	109,746.85	
505122	EFT 11/30/23	PLATT ELECTRIC SUPPLY INC			442.57
		81072570 5380	UNI STRUT, SPRING NUTS AND HARDWARE F	442.57	
505123	EFT 11/30/23	POLYDYNE INC			32,278.85
		71000590 5710	CHEMICALS FOR JVWTP - PEC	32,278.85	
505124	EFT 11/30/23	ROCKY MOUNTAIN WIRE ROPE			46.92
		81071570 5380	CABLES FOR BASINS 1 AND 2 SWEEPS JVWT	46.92	
505125	EFT 11/30/23	THATCHER COMPANY			17,684.49
		71000590 5710	CHEMICALS FOR JVWTP - PACL	17,684.49	

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PAYMENT REGISTER - O&M ACCOUNT

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

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
505126	EFT 11/30/23	TIRE WORLD 81000570 5330	SCRAP TIRES, FRONT END ALIGNMENT.	395.99	\$395.99
505127	EFT 11/30/23	TRANS-JORDAN CITIES 83000570 5350	MIXED WASTE	52.51	52.51
505128	EFT 11/30/23	WAXIE SANITARY SUPPLY 83072570 5350	JANITORIAL SUPPLIES	772.72	772.72
505129	EFT 11/30/23	WHEELER 81071570 5360	FRONT END LOADER FOR SLUDGE REMOVAL	7,345.20	7,345.20
505130	EFT 11/30/23	WW GRAINGER 81072570 5380	SPRING NUTS FOR FILTER CAMERA ARMS SE	26.90	26.90
REPORT TOTAL:					<u><u>\$8,116,738.27</u></u>

JORDAN VALLEY WATER CONSERVANCY DISTRICT

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

For the Period November 01, 2023 Through November 31, 2023

PAYMENT DATE	PAYMENT TYPE	VENDOR NAME	DESCRIPTION	PAYMENT AMOUNT
11/1/2023	ACH	EMPLOYEES	EMPLOYEE RECOGNITION / SAFETY	532.17
11/3/2023	ACH	EMPLOYEE	EMPLOYEE DIRECT DEPOSITS	416,761.72
11/3/2023	ACH	IRS	FEDERAL & MEDICARE TAXES	67,590.47
11/3/2023	ACH	URS	STATE RETIREMENT	103,227.45
11/3/2023	ACH	HEALTHQUITY	EMPLOYEE H.S.A. CONTRIBUTIONS	13,482.08
11/3/2023	ACH	CIGNA HEALTHCARE	EMPLOYEE DENTAL & LIFE INS	18,271.28
11/3/2023	ACH	FIDELITY	SUB SOCIAL SECURITY CONTRIB.	64,218.15
11/7/2023	ACH	EMPLOYEES	EMPLOYEE RECOGNITION / SAFETY	2,551.22
11/14/2023	ACH	EMPLOYEES	EMPLOYEE RECOGNITION / SAFETY	7,123.69
11/20/2023	ACH	EMPLOYEE	EMPLOYEE DIRECT DEPOSITS	409,119.81
11/20/2023	ACH	IRS	FEDERAL & MEDICARE TAXES	65,855.59
11/20/2023	ACH	URS	STATE RETIREMENT	101,539.37
11/20/2023	ACH	HEALTHQUITY	EMPLOYEE H.S.A. CONTRIBUTIONS	13,423.58
11/20/2023	ACH	CIGNA HEALTHCARE	EMPLOYEE DENTAL & LIFE INS	19,029.49
11/20/2023	ACH	FIDELITY	SUB SOCIAL SECURITY CONTRIB.	63,092.25
11/21/2023	ACH	EMPLOYEES	EMPLOYEE RECOGNITION / SAFETY	1,970.40
11/21/2023	ACH	EMPLOYEES	TERMINATED EMPLOYEE CASHOUT	1,076.35
11/28/2023	ACH	EMPLOYEES	EMPLOYEE RECOGNITION / SAFETY	3,081.09
REPORT TOTAL:				\$ 1,371,946.16

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PURCHASE CARD TRANSACTIONS

For the Period 11/1/2023 Through 11/30/2023

DATE	CARD HOLDER	VENDOR NAME	DESCRIPTION	GL	AMOUNT
11/1/2023	BRADLEY BOREN	AMZN MKTP US*VE3MX2VW3	FRIDGE FILTERS FOR JVVTP AND HDMI CABLES	83000570 5350	48.98
11/1/2023	BRADLEY BOREN	AMZN MKTP US*VE3MX2VW3	FRIDGE FILTERS FOR JVVTP AND HDMI CABLES	83071570 5350	69.38
11/1/2023	TERESA ATKINSON	FACEBK TJUWHVFFF2	FACEBOOK - META - CGP ADS REF#TJUWHVFFF2 \$70.00	62000570 5270	70.00
11/1/2023	MICHAEL LORENC	SPRINKLER SUPPLY	MULCH SCOOPS	62000570 5350	124.98
11/1/2023	LAINA MCGINTY	VILLAGE BAKER INC	REFRESHMENTS FOR 2023 HALLOWEEN EVENT/LUNCH	51000650 5170	222.00
11/1/2023	JORDAN TOMSIC	THE HOME DEPOT 4421	PARTS FOR THE RADIO UP AT NANILOA RES	91000570 5310	97.56
11/1/2023	BRYAN SMITH	GRAINGER	ZETA REPLACEMENT TUBING	72072570 5350	19.89
11/1/2023	MICHAEL BROWN	THE HOME DEPOT #4410	PARTS TO FIX THE TOILET AT 118TH SOUTH AND PARTS TO ANCHOR THE BOOK SHELVES IN THE KITCHEN	83000570 5350	42.71
11/2/2023	LISA KASTELER	INTERMOUNTAIN SECTION AWW	CRAM FOR THE EXAM FOR MIKE BRINTON	80000570 5290	350.00
11/2/2023	NICK MCDONALD	THE HOME DEPOT #8566	CHLORINE FOR DISINFECTION	71071570 5350	9.63
11/2/2023	PAUL MATTINSON	WM SUPERCENTER #3620	WALMART SODA FOR LAB CUSTOMER APPRECIATION LUNCHEON	78000590 5720	24.16
11/2/2023	BRYAN SMITH	EVCO HOUSE OF HOSE	TUBING FOR ZETA MACHINE	72072570 5350	2.60
11/2/2023	JACKIE BUHLER	UPS*BILLING CENTER	PAYMENT FOR INVOICE #000A3278X433	51000650 5250	43.35
11/2/2023	LAINA MCGINTY	SANDY FLOWER SHOP	FLORAL ARRANGMENT FOR CLIFTON SMITH FAMILY MEMBER PASSING	51000650 5170	59.95
11/2/2023	DUSTIN BRUSCH	INSTRUMART	REPLACE LEVEL TRANSMITTER FOR CLEARWELL JVVTP	91071570 5310	553.99
11/3/2023	KYLE CHAPMAN	WITIVIO* WITIVIO	ONCALL CALANDER SUBSCRIPTION FOR TEAMS	91000570 5310	10.89
11/3/2023	KYLE CHAPMAN	INTERMOUNTAIN FUSE SUPPL	OVERLOAD REPLACEMENTS FOR JVVTP MCC PANELS ON THE MIXING BASIN MOTORS	91071570 5310	457.90
11/3/2023	TROY GARRETT	ALLRED'S INC	THERMOSTAT FOR 4TH FLOOR JVVTP	81071570 5360	47.47
11/3/2023	BRYAN SMITH	09 STANDARD PLUMBING	PVC FITTINGS TO PRESSURE TEST PEC BULK TANK	72072570 5350	21.57
11/3/2023	BRYAN SMITH	AMZN MKTP US*GM5WW9RK3	CERTIFICATE PICTURE FRAMES, BOLT CUTTERS, PVC CUTTERS	72000590 5220	103.98
11/3/2023	BRYAN SMITH	AMZN MKTP US*GM5WW9RK3	CERTIFICATE PICTURE FRAMES, BOLT CUTTERS, PVC CUTTERS	72000590 5310	127.78
11/3/2023	PAUL MATTINSON	THE HOME DEPOT #8566	TOOLS FOR LAB	78000590 5720	101.08
11/3/2023	HAYDEN COZIAR	THE HOME DEPOT #4410	DUCT TAPE FOR THE GARDEN RESTROOMS	83000570 5350	23.96
11/6/2023	JORDAN TOMSIC	THE HOME DEPOT #4409	PHOTO CELLS FOR THE PARKING LOT LIGHTS AND GFCI OUTLETS FOR SOUTH EAST	91072570 5310	124.07

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PURCHASE CARD TRANSACTIONS

For the Period 11/1/2023 Through 11/30/2023

DATE	CARD HOLDER	VENDOR NAME	DESCRIPTION	GL	AMOUNT
11/6/2023	LISA KASTELER	INTERMOUNTAIN SECTION AWW	AWWA CRAM FOR THE EXAM FOR JEFF C, JOE R, AYDEN H, CHASE P, DILLION E, ROBERTO A	80000570 5290	2,100.00
11/6/2023	LAINA MCGINTY	AMZN MKTP US*6671S7NR3	5 YEARS SERVICE AWARD FOR KURT ASHWORTH	51000650 5170	102.27
11/6/2023	JORDAN TOMSIC	AMZN MKTP US*U14IK9HP3	BATTERIES FOR THE SMALL RTU UPS UNITS	91072570 5310	35.27
11/6/2023	JORDAN TOMSIC	THE HOME DEPOT 4409	PARTS FOR LIGHTS AT SOUTH EAST	91072570 5310	97.31
11/6/2023	BRYAN SMITH	EVCO HOUSE OF HOSE	FITTING TO FILL PEC TANK W/WATER USING HOSE FILL STATION	72072570 5350	32.12
11/7/2023	DANIEL CLAYPOOL	MCNICHOLS COMPANY	TAX FOR GRADING MATERIAL	81000570 5310	-48.11
11/7/2023	BRADLEY BOREN	AMZN MKTP US*LI1ZT9683	PARTS TO FIX CLOCK BACKING IN THE ADMINISTRATION BUILDING	83000570 5350	8.95
11/8/2023	SHAUN MOSER	AMERICAN PUBLIC GARDEN	APGA ANNUAL MEMBERSHIP DUES	62000570 5290	508.59
11/8/2023	TIMOTHY RAINBOLT	SMITHS MRKTPL #4495	TYSON AWARDS 110723	11000200 2290	50.00
11/8/2023	BEVERLY PARRY	SCHMIDT S PASTRY COTTAGE-	EXECUTIVE COMMITTEE MEETING FOOD	51000660 5220	57.24
11/8/2023	ALLEN CURTIS	ACE HDW AT HIDDEN VALLEY	DRILL BITS AND CUTTING FLUID SE FILTER CAMERAS	81000570 5360	42.98
11/8/2023	LAINA MCGINTY	VILLAGE BAKER INC	BOARD MEETING REFRESHMENTS	51000660 5220	194.00
11/8/2023	JORDAN TOMSIC	THE HOME DEPOT #4410	PARTS FOR SOUTHEAST LIGHT INSTALL	91000570 5310	35.03
11/9/2023	YVETTE AMPARO	IN *EDUCATION & TRAINING	SUPERVISOR/MANAGEMENT LEADERSHIP PROGRAM FOR ERIK W	62000570 5290	499.00
11/9/2023	SHAUN MOSER	USU EVENT SERVICES	UNLA GREEN CONFERENCE GROUP REGISTRATION	62000570 5290	1,600.00
11/9/2023	LAINA MCGINTY	COSTCO WHSE #1019	2023 HOLIDAY LUNCHEON GIFTS	51000650 5170	3,413.14
11/9/2023	TERESA ATKINSON	DNH*GODADDY.COM	GODADDY -SSL CERTIFICATE RENEWAL 2 YEAR \$199.98	90000650 5230	199.98
11/9/2023	DAVID BERATTO	DOMINO'S 7517	LUNCHEON FOR PIPELINE MAINT EMPLOYEES	80000570 5170	152.91
11/9/2023	DAVID BERATTO	SMITHS MRKTPL #4495	LUNCHEON FOR PIPELINE MAINT EMPLOYEES	80000570 5170	35.96
11/9/2023	SHAUN MOSER	AMZN MKTP US*MK01A7HF3	PLANT MARKING FLAGS	62000570 5350	29.99
11/9/2023	BRADLEY BOREN	AMZN MKTP US*QX1FJ1NL3	SNOW STAKES FOR ALL THE SITES	83000570 5350	149.96
11/10/2023	LAINA MCGINTY	AMZN MKTP US*5R1HB4AY3	5 YEARS SERVICE AWARD FOR KURT ASHWORTH	51000650 5170	46.95
11/10/2023	LAINA MCGINTY	AMZN MKTP US*JA88I5RM3	1 YEAR SERVICE AWARD FOR VIKIA VAINUKU	51000650 5170	98.94
11/10/2023	RYAN JEFFS	DEPT OF AGRICULTURE	RYAN JEFFS' PAYMENT FOR PESTICIDE CERTIFICATION TEST	83000570 5350	20.00
11/10/2023	TERESA ATKINSON	MICROSOFT#G032560823	AZURE OCTOBER 2023 G032560823\$890.04	90000650 5230	890.04
11/10/2023	LAINA MCGINTY	AWWA.ORG	AWWA COMPENSATION SURVEY	51000650 5170	333.30
11/10/2023	BEVERLY PARRY	SCHMIDT S PASTRY COTTAGE-	BOARD MEETING FOOD	51000660 5220	57.36

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PURCHASE CARD TRANSACTIONS

For the Period 11/1/2023 Through 11/30/2023

DATE	CARD HOLDER	VENDOR NAME	DESCRIPTION	GL	AMOUNT
11/10/2023	LAINA MCGINTY	VILLAGE BAKER INC	BOARD MEETING REFRESHMENTS	51000660 5220	47.00
11/10/2023	ALLEN CURTIS	ACE HDW AT HIDDEN VALLEY	SELF TAPING BOLTS FOR FILTER CAMERAS	81072570 5380	11.40
11/10/2023	CASEY CANNON	THE HOME DEPOT 4410	4- TIER INDUSTRIAL SHELFING, 27 GAL. TOTE, 14 GAL. TOTE	75002570 5380	270.46
11/10/2023	MICHAEL LORENC	THE HOME DEPOT #4410	FENCE REPAIR PARTS, EAR PROTECTION	62000570 5350	103.41
11/13/2023	MICHAEL BROWN	THE HOME DEPOT #4410	PARTS TO FIX RAIN GUTTER DOWN SPOUT 10TH AND 78TH	83000570 5350	135.98
11/13/2023	JARED VIGIL	THE HOME DEPOT #4410	FITTINGS TO REPAIR COOLING WATER LINE AT 48 & 45 BOOSTER STATION.	75000570 5380	19.15
11/13/2023	MICHAEL LORENC	THE HOME DEPOT #4410	LUMBER FOR FENCE REPAIR	62000570 5350	9.38
11/13/2023	MICHAEL LORENC	THE HOME DEPOT #4410	BLACK OUTDOOR PAINT	62000570 5350	47.98
11/14/2023	ALLEN CURTIS	ACE HDW AT HIDDEN VALLEY	DRILL BITS FOR FILTER CAMERAS STAINLESS STEEL	81072570 5380	34.95
11/14/2023	ALAN PACKARD	BOHEMIAN BREWERY & GRILL	LUNCH WITH SPECIAL DISTRICT MANAGERS	51000650 5170	172.88
11/14/2023	TERESA ATKINSON	TEACHABLE.COM	TEACHABLE INVOICE#110420914 NOV 13, 2023 TO NOV 13, 2024 \$5988.00	62000570 5270	5,988.00
11/14/2023	JACKIE BUHLER	FORMS FULFILLMENT CENTER	TAX FORMS FOR 2023 FILINGS	51000650 5220	532.82
11/14/2023	JACKIE BUHLER	UPS*BILLING CENTER	PAYMENT FOR INVOICE #0000A3278X443	51000650 5250	125.77
11/15/2023	JACKIE BUHLER	FORMS FULFILLMENT CENTER	1099 FORMS FOR 2023	51000650 5220	166.54
11/15/2023	EPIMENIO TRUJILLO	CHEFSTORE 7501	FALL CLEAN UP LUNCH, MEAT, BUNS, OIL,	80000570 5170	391.30
11/15/2023	BEVERLY PARRY	PREMIER CLEANERS	TABLECOTHS LAUNDERING	51000650 5170	126.00
11/15/2023	KYLE CHAPMAN	DEVAR INC	TEMPERATURE DIGITAL TRANSMITER WITH READ OUT FOR REPLACMENT STOCK	91000570 5310	420.19
11/15/2023	KYLE CHAPMAN	DEVAR INC	3600 W 10200 S TEMPERATURE DIGITAL TRANSMITER WITH READ OUT	11000184 6010	420.19
11/15/2023	NATHAN TALBOT	COSTCO WHSE #0487	SHELVING FOR OPERATIONS CLOSET.	75000570 5380	96.51
11/15/2023	NATHAN TALBOT	COSTCO WHSE #0487	DRINKS FOR FALL CLEAN-UP & LUNCHEON.	75000590 5170	56.44
11/15/2023	EPIMENIO TRUJILLO	SAMS CLUB #4730	COOKIES FOR FALL CLEAN UP	80000570 5170	41.16
11/15/2023	LAINA MCGINTY	COSTCO WHSE #1019	2023 HOLIDAY LUNCHEON GIFTS	51000650 5170	592.89
11/15/2023	BRADLEY BOREN	COSTCO WHSE #1019	TV AND MOUNT FOR THE MAINTENANCE CONFERENCE ROOM AND JANITORIAL SUPPLIES	83000570 5350	1,131.19
11/16/2023	CORY COLLINS	TAIWAN IMPORTS	CHRISTMAS DECORATIONS 2023	62000570 5350	220.82
11/16/2023	TIMOTHY RAINBOLT	SMITHS MRKTPL #4495	NORDGREN AWARDS 111123	11000200 2290	50.00
11/16/2023	CORY COLLINS	AMAZON.COM*PN82I5YY3	CHRISTMAS ORB FOR POTS	62000570 5350	85.68
11/16/2023	LAINA MCGINTY	AMAZON.COM*RT72K6193	20 YEARS SERVICE AWARD FOR MATT OLSEN	51000650 5170	119.99

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PURCHASE CARD TRANSACTIONS

For the Period 11/1/2023 Through 11/30/2023

DATE	CARD HOLDER	VENDOR NAME	DESCRIPTION	GL	AMOUNT
11/17/2023	JORDAN TOMSIC	AMZN MKTP US*295UR0B33	2 FIBER PATCH PANELS FOR THE FIBER INSTALL AT OLD BINGHAM RES.	11000160 6010	446.00
11/17/2023	JORDAN TOMSIC	AMZN MKTP US*3H75320Z3	FIBER PIGTAILS FOR THE FUSION SPLICER AND THE FIBER AT OLD BINGHAM RES.	11000160 6010	242.76
11/17/2023	JARED VIGIL	HOLIDAY OIL #16	ICE FOR FALL CLEAN-UP & LUNCHEON	75000590 5170	8.22
11/17/2023	BRYAN SMITH	THE HOME DEPOT #4409	COATED WIRE FOR PRESED DRAINS	72072570 5350	19.94
11/17/2023	LAINA MCGINTY	THE HOME DEPOT #4410	WELLNESS PROGRAM SUPPLIES FOR A ROPPING DUMMY	51000650 5130	131.83
11/20/2023	MICHAEL BROWN	THE HOME DEPOT #4410	CONCRETE DRILL BITS TO ANCHOR THE SHEVLING AT OLD BINGHAM STORAGE	83000570 5350	19.87
11/20/2023	DANIEL CLAYPOOL	THE HOME DEPOT #8566	BULBS FOR OUTSIDE LIGHTS JWTP	81071570 5360	39.92
11/20/2023	MICHAEL BROWN	THE HOME DEPOT #4410	AUGER RENTAL TO UNPLUG DRAIN AT THE MAINTENANCE BUILDING	83000570 5350	64.40
11/20/2023	TERESA ATKINSON	FIGMA MONTHLY RENEWAL	FIGMA SOFTWARE NOV 18 2023 TO DEC 18 2023 \$42.91	60000650 5270	42.91
11/20/2023	DAVID BERATTO	MILLCREEK CITY PERMITS	EXCAVATION PERMIT FOR 301 E DOREEN ST	82000570 5380	550.00
11/20/2023	DAVID BERATTO	CITY OF HOLLADAY	EXCAVTION PERMIT FOR 5050 S COTTONWOOD LN	82000570 5380	250.00
11/20/2023	DAVID BERATTO	CITY OF HOLLADAY	EXCAVATION PERMIT FOR 4981 S VIEWMONT CIR	82000570 5380	250.00
11/20/2023	DAVID BERATTO	CITY OF HOLLADAY	EXCAVATION PERMIT FOR 4987 S VIEWMONT CIR	82000570 5380	250.00
11/20/2023	JORDAN TOMSIC	AMZN MKTP US*D78OZ7CS3	FUSION SPLICER SHRINK TUBES FOR THE FIBER INSTALL AT OLD BINGHAM RES.	11000160 6010	24.41
11/20/2023	LAINA MCGINTY	AMZN MKTP US*J99KZ1GP3	20 YEARS SERVICE AWARD FOR MATT OLSEN	51000650 5170	209.99
11/20/2023	LAINA MCGINTY	AMZN MKTP US*RE5EH5Y43	WELLNESS PROGRAM SUPPLE/ROPPING DUMMY SUPPLY	51000650 5130	43.48
11/20/2023	LAINA MCGINTY	AMZN MKTP US*RS9994A93	20 YEARS SERVICE AWARD FOR MATT OLSEN	51000650 5170	69.99
11/20/2023	TERESA ATKINSON	4TE*DAVIS CO REDIWEB SFEE	LORRI - FORTE DAVIS COUNTY SUBSCRIPTION RENEWAL REF#8c8e74aa-5052-4136-971e-cab8ace97b4 b \$5.75	90000650 5230	1.55
11/20/2023	TERESA ATKINSON	4TE*DAVIS CO REDIWEB WEB	LORRI - FORTE DAVIS COUNTY SUBSCRIPTION RENEWAL REF#8c8e74aa-5052-4136-971e-cab8ace97b4 b \$5.75	90000650 5230	4.20
11/21/2023	PAUL MATTINSON	SCIENTIFIC CONSUMABLES &	MEHTHANOL UHP, FOR HAA ANALYSIS	78000590 5720	125.05
11/21/2023	LAINA MCGINTY	UTAH COUNCIL FOR WORKS	2023 UTAH WORKSITE WELLNESS CONCIL	51000650 5130	1,540.00
11/21/2023	BEVERLY PARRY	COSTCO WHSE #0487	BOARD MEETING PAPER PRODUCTS	51000660 5220	33.74
11/22/2023	LISA KASTELER	COSTCO WHSE #1019	POINSETTIA'S FOR MAINTENANC EBLDG AND KITCHEN SUPPLIES	80000570 5220	122.18

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PURCHASE CARD TRANSACTIONS

For the Period 11/1/2023 Through 11/30/2023

DATE	CARD HOLDER	VENDOR NAME	DESCRIPTION	GL	AMOUNT
11/22/2023	ALISHA KIMMERLE	INTERMOUNTAIN SECTION AWW	CRAM FOR THE EXAM SPENCER BARLOW & ANDREW MALMSTROM	71000590 5290	350.00
11/22/2023	ALISHA KIMMERLE	INTERMOUNTAIN SECTION AWW	CRAM FOR THE EXAM SPENCER BARLOW & ANDREW MALMSTROM	75000590 5290	350.00
11/22/2023	TROY GARRETT	THE HOME DEPOT #4410	PARTS TO INSTALL THE WASHER AND DRYER IN TH EDUCATION CENTER	81000570 5380	197.61
11/22/2023	TROY GARRETT	VALLEY GLASS MIDVALE	GLASS FOR GAGE FOR SAND SWEEP	81072570 5380	12.00
11/22/2023	TERESA ATKINSON	SLACK T059T8B0VKJ	SLACK- 2383-1489 11-21-23 TO 12-20-23 \$17.50	60000650 5270	17.50
11/24/2023	JORDAN TOMSIC	THE HOME DEPOT 4402	TV PARTS FOR THE NEW MINI CONFERENCE ROOM AKA OLD MAP ROOM	91000570 5310	91.38
11/24/2023	LISA KASTELER	BRADY WORLDWIDE INC.	CARTRIDGES FOR WAREHOUSE PRINTER	80000570 5220	263.66
11/24/2023	ALISHA KIMMERLE	FRANKLIN PLANNER	DAY PLANNERS FOR GORDON BATT AND JON HILBERT	71000590 5220	132.81
11/24/2023	CASEY CANNON	INTERMOUNTAIN SECTION AWW	AWWA TRAINING	75000590 5290	40.00
11/24/2023	JEFFREY SMALL	THE HOME DEPOT 4410	PARTS TO FIX CONFERENCE TABLE IN OPERATIONS	75000570 5380	226.41
11/24/2023	JORDAN TOMSIC	THE HOME DEPOT #4410	SURFACE MOUNT CONDUIT FOR OUTLETS IN THE MINI CONFERENCE ROOM AKA MAP ROOM	91000570 5310	144.94
11/24/2023	DANIEL CLAYPOOL	THE HOME DEPOT #8566	EPOXY FOR FITTING REPAIR CHLORINE SYSTEM	81071570 5380	8.68
11/27/2023	JORDAN TOMSIC	AMAZON.COM*RP6HY50K3	UPS UNITS FOR VAL AND THE SMALLER TRAFFIC CABINET RTUS	91000570 5310	1,449.60
11/27/2023	YVETTE AMPARO	DREAMSTIME.COM	STOCK PHOTOS FOR TRAINING	51005650 5290	25.00
11/28/2023	MINDY KEELING	TVS PRO	PAYMENT FOR DRONE TRAINING	51000650 5290	3,000.00
11/28/2023	LAINA MCGINTY	AMZN MKTP US*FG96M9C43	1 YEAR SERVICE AWARD FOR RAYMON GARCIA	51000650 5170	92.52
11/28/2023	LAINA MCGINTY	FSP*UTAH CELEBRATIONS CAT	2023 HOLIDAY LUNCHEON/FINAL FOOD BILL	51000650 5170	3,166.02
11/29/2023	LAINA MCGINTY	VILLAGE BAKER INC	2023 ANNUAL ADMIN OFFICE CLEANUP DAY REFRESHMENTS	51000650 5170	241.28
11/29/2023	TIMOTHY RAINBOLT	SMITHS MRKTPL #4495	AMPARO AWARDS 200.00 112823 & BRUSCH AWARDS 25.00 112823	11000200 2290	225.00
11/29/2023	LAINA MCGINTY	SMITHS MRKTPL #4495	2023 HOLIDAY LUNCHEON GIFTCARDS & EMPLOYEE HARASSMENT/FRAUD TRAINING REFRESHMENTS	51000650 5170	1,231.17
11/29/2023	ALLEN CURTIS	THE HOME DEPOT #4409	HOT PVC CEMENT FOR THE B-POLY REPAIR SERWTP	81072570 5380	21.86
11/30/2023	CORY COLLINS	TAIWAN IMPORTS	MORE XMAS DECORATIONS	62000570 5350	269.19
11/30/2023	BRADLEY BOREN	COSTCO WHSE #1019	JANITORIAL SUPPLIES (CLOROX WIPES NAPKINS FOR ADMIN BUILDING, AND FEMININE HYGENE PRODUCTS)	83000570 5350	246.68
11/30/2023	DAVID HYDE	AMZN MKTP US*ZK7357N83	CRANE REMOTE FOR JWTP	81071570 5380	139.00

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PURCHASE CARD TRANSACTIONS

For the Period 11/1/2023 Through 11/30/2023

DATE	CARD HOLDER	VENDOR NAME	DESCRIPTION	GL	AMOUNT
11/30/2023	LAINA MCGINTY	HIGH POINT COFFEE	EMPLOYEE FRAUD, HARASSMENT & GIFT TRAINING REFRESHMENTS	51000650 5170	93.59

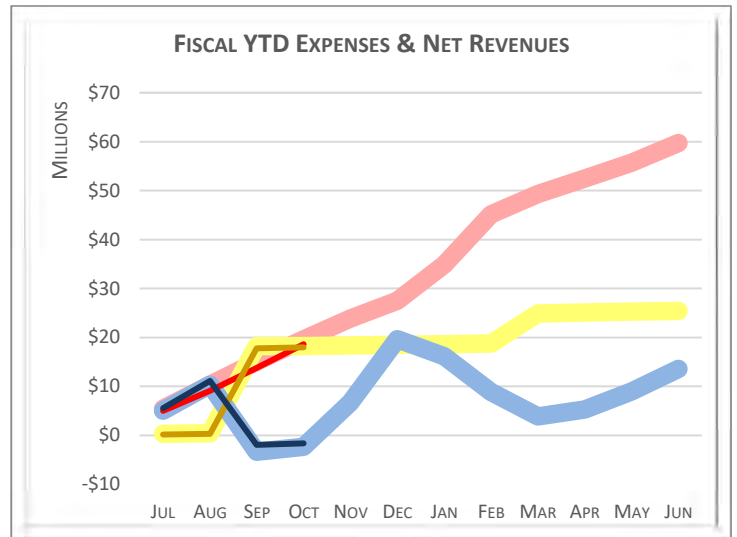
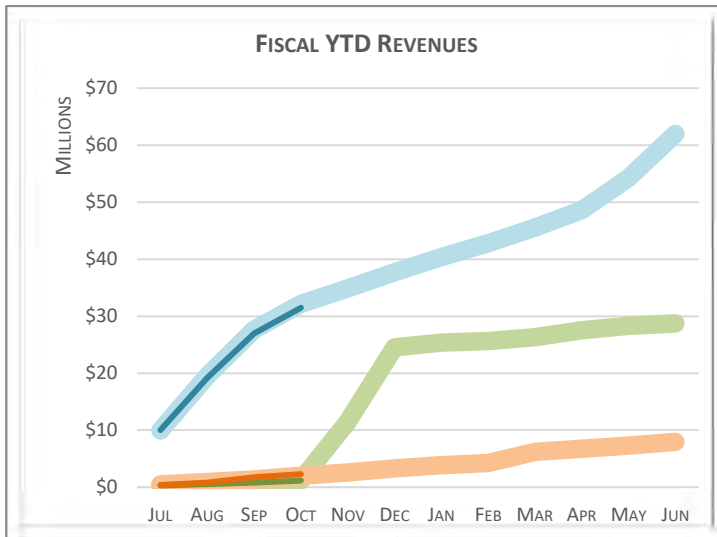
TOTAL # OF TRANSACTIONS: 126

REPORT TOTAL: \$41,445.48

JORDAN VALLEY WATER CONSERVANCY DISTRICT
FINANCIAL REPORT SUMMARY – OCTOBER 2023

MONTHLY AND YEAR-TO-DATE OPERATING SUMMARY

	Legend	OCTOBER 2023	FY 23/24 Y-T-D	FY 23/24 BUDGET
REVENUES				
Water Sales Revenue	—	\$ 4,478,705	\$ 31,471,652	\$ 61,980,076
Property Tax Revenue	—	333,640	1,158,780	28,731,637
All Other Revenue	—	514,256	2,280,779	7,953,800
		5,326,600	34,911,212	98,665,513
EXPENSES				
Operating Expenses	—	4,860,045	18,603,396	59,725,718
Bond Debt Service	—	160,804	17,965,024	25,405,675
Net Revenues after Debt Service	—	\$ 305,750	\$ (1,657,208)	\$ 13,534,120



OTHER FINANCIAL HIGHLIGHTS

FUND BALANCES	
Revenue	\$ 23,330,802
Operation & Maintenance	11,886,603
General Equipment	247,096
Retail Deposit Account	348,420
Bond Proceeds	17,115
Capital Projects	17,188,577
Replacement Reserve	5,304,795
Development Fee	92,022
Other Reserves	8,615,830
Bond Reserves	5,114,459
	\$ 72,145,719

LONG-TERM DEBT INFORMATION	
Outstanding Bonds and Notes Payable - 10/31/2023	\$ 293,692,522
<u>Average Annual Debt Payments Next 10-Years</u>	
Principal Payments	\$ 14,738,515
Interest Payments	16,516,500
	\$ 31,255,015
<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 - OCTOBER 2023 (33%)

MODIFIED ACCRUAL BASIS - UNAUDITED

	OCTOBER 2023	FY 23/24 Y-T-D	FY 23/24 BUDGET	% OF BUDGET	OCTOBER 2022	FY 22/23 Y-T-D	FY 22/23 BUDGET	% OF BUDGET
REVENUES								
Metered Sales of Water								
- Wholesale	\$ 3,562,750	\$ 27,170,654	\$ 54,767,689	50%	\$ 3,755,072	\$ 25,792,688	\$ 52,554,723	49%
- Retail	915,954	4,300,998	7,212,387	60%	820,727	3,706,686	6,758,349	55%
Impact Fees	162,576	180,848	435,000	42%	-	68,935	512,000	13%
General Property Tax	333,640	1,158,780	28,731,637	4%	280,137	1,034,792	25,650,346	4%
Other - Investment Income, etc.	324,015	1,392,726	3,943,800	35%	221,333	683,638	1,087,300	63%
Other - Misc.	27,665	707,205	3,575,000	20%	547,107	815,886	2,243,093	36%
Total Revenues	5,326,600	34,911,212	98,665,513	35%	5,624,376	32,102,625	88,805,811	36%
OPERATING EXPENSES *								
Water Purchases	1,527,397	4,281,589	19,449,887	22%	319,865	3,251,264	18,615,784	17%
Operations and Maintenance	1,047,911	4,595,820	12,255,706	37%	1,237,966	4,873,531	11,621,168	42%
General and Administrative	678,414	3,172,367	7,552,953	42%	485,912	2,761,833	5,728,341	48%
Payroll Related	1,606,323	6,553,621	20,467,172	32%	1,724,719	6,603,190	19,587,691	34%
Total Operating Expenses	4,860,045	18,603,396	59,725,718	31%	3,768,462	17,489,817	55,552,984	31%
Net Revenues Available for Debt Service	466,554	16,307,816	38,939,795	42%	1,855,915	14,612,808	33,252,827	44%
Bond Debt Service	160,804	17,965,024	25,405,675	71%	123,189	17,139,649	23,164,500	74%
Net Revenues after Debt Service	305,750	(1,657,208)	13,534,120		1,732,726	(2,526,841)	10,088,327	
Transfer of Revenue Stabilization Funds	-	5,663,452	5,663,452	100%	-	8,402,108	8,402,108	100%
Net Revenues	\$ 305,750	\$ 4,006,244	\$ 19,197,572		\$ 1,732,726	\$ 5,875,267	\$ 18,490,435	
* See Exhibit 2 for summary of expenses by line item.								
NON-OPERATING EXPENSES (REVENUES)								
Capital Replacement Projects	\$ 1,813,205	\$ 5,010,392	\$ 19,600,000	26%	\$ 583,305	\$ 2,490,210	\$ 21,837,862	11%
Capital Projects	2,717,516	6,323,768	53,505,650	12%	262,280	4,667,879	32,456,659	14%
Development Fee	7,685	105,884	435,000	24%	-	-	512,000	0%
General Equipment	-	330,626	1,423,000	23%	54,066	166,750	903,100	18%
Self Insurance Claims	35,484	17,486	100,000	17%	4,302	1,672	100,000	0%
Bond Cost of Issuance	-	-	700,000		-	-	250,000	
Subtotal	4,573,890	11,788,157	75,763,650	16%	903,953	7,326,510	56,059,621	13%
Cap Proj Grants & Other Contrib	-	(3,654,382)	(11,889,642)	31%	-	(971,104)	(2,849,431)	34%
(Gain) / Loss on Sale of Assets	-	-	-		-	(110,364)	-	
Bond Cost of Issuance Proceeds	-	-	(700,000)		-	-	(250,000)	
Subtotal	-	(3,654,382)	(12,589,642)	29%	-	(1,081,468)	(3,099,431)	35%
Total Non-operating Expenses (Revenues)	\$ 4,573,890	\$ 8,133,775	\$ 63,174,008		\$ 903,953	\$ 6,245,042	\$ 52,960,190	12%

JORDAN VALLEY WATER CONSERVANCY DISTRICT
OPERATING EXPENSES SUMMARY - OCTOBER 2023 (33%)

MODIFIED ACCRUAL BASIS - UNAUDITED

DESCRIPTION	OCTOBER 2023	FY 23/24 Y-T-D	FY 23/24 BUDGET	% OF BUDGET	OCTOBER 2022	FY 22/23 Y-T-D	FY 22/23 BUDGET	% OF BUDGET
Water Purchases	\$ 1,192,371	\$ 3,872,503	\$ 18,194,022	21%	\$ 1,629	\$ 2,859,905	\$ 17,402,067	16%
Water Stock Assessments	335,027	409,086	1,255,865	33%	318,236	391,359	1,213,717	32%
Total Water Purchases	1,527,397	4,281,589	19,449,887	22%	319,865	3,251,264	18,615,784	17%
Building & Grounds Maint	33,447	174,427	409,420	43%	23,643	136,830	389,512	35%
General Property & Leases	9,009	50,387	204,596	25%	19,234	53,991	210,482	26%
Repair & Replacement	100,251	329,074	1,427,198	23%	61,855	477,731	1,230,499	39%
Scheduled Maintenance	23,390	184,786	667,427	28%	87,471	205,947	552,539	37%
Tools & Supplies	43,689	171,556	338,269	51%	29,912	95,793	338,911	28%
Treatment - Chemicals	245,559	1,418,318	3,171,672	45%	69,075	974,061	2,780,169	35%
Treatment - Lab, Studies & Quality	44,097	143,290	686,041	21%	10,290	202,237	607,499	33%
Utilities - JVWTP	25,965	116,061	351,780	33%	50,184	116,509	347,460	34%
Utilities - SERWTP	9,133	43,069	120,546	36%	8,365	38,319	118,842	32%
Utilities - SWGWTP & RO Wells	51,674	164,107	724,122	23%	105,864	168,118	734,702	23%
Utilities - Wells	125,718	330,447	1,064,636	31%	395,926	752,266	1,334,878	56%
Utilities - Boosters	205,369	918,687	1,731,448	53%	284,838	958,960	1,663,712	58%
Utilities - JNPS & JA	94,368	399,929	788,634	51%	43,599	491,178	784,314	63%
Utilities - Other	12,245	26,355	210,217	13%	15,833	82,937	203,549	41%
Utility Location (Blue Stakes)	2,781	13,352	37,050	36%	6,697	13,781	28,050	49%
Vehicle & Gen. Equip. - Fuel	16,457	64,167	200,660	32%	16,454	81,294	180,060	45%
Vehicle & Gen. Equip. - Parts	4,759	47,806	121,990	39%	8,727	23,580	115,990	20%
Total Operations & Maintenance	1,047,911	4,595,820	12,255,706	37%	1,237,966	4,873,531	11,621,168	42%
Bond Fees	59,795	172,101	396,400	43%	64,363	181,730	424,000	43%
Computer Supplies	44,746	299,805	844,080	36%	25,440	240,538	822,775	29%
Conservation Programs	464,100	977,223	3,060,030	32%	337,063	788,983	1,567,873	50%
General & Administrative	31,018	130,114	236,910	55%	5,967	92,427	211,950	44%
General Insurance	-	1,256,027	1,206,021	104%	-	1,094,509	1,031,351	106%
Legal & Auditing Fees	24,919	92,210	491,650	19%	4,416	99,579	481,650	21%
Office / Mailing / Safety	20,467	74,453	282,930	26%	18,944	78,699	277,858	28%
Professional Consulting Services	12,001	60,667	429,371	14%	7,985	97,603	316,350	31%
Public Relations	2,168	23,112	202,964	11%	586	13,900	192,925	7%
Training & Education	19,201	86,656	402,597	22%	21,148	73,864	401,609	18%
Total General & Administrative	678,414	3,172,367	7,552,953	42%	485,912	2,761,833	5,728,341	48%
Payroll Related	1,606,323	6,553,621	20,467,172	32%	1,724,718	6,603,190	19,587,691	34%
Total Operating Expenses	\$ 4,860,045	\$ 18,603,396	\$ 59,725,718	31%	\$ 3,768,462	\$ 17,489,817	\$ 55,552,984	31%

JORDAN VALLEY WATER CONSERVANCY DISTRICT
METERED SALES OF WHOLESALE WATER - OCTOBER 2023

MODIFIED ACCRUAL BASIS - UNAUDITED

WHOLESALE MEMBER AGENCY	CURRENT MONTH			FISCAL YTD		
	OCTOBER 2023	OCTOBER 2022	INCREASE / (DECREASE)	OCTOBER 2023	OCTOBER 2022	INCREASE / (DECREASE)
Bluffdale	\$ 131,787	\$ 165,817	\$ (34,030)	\$ 1,000,590	\$ 981,744	\$ 18,846
Div of Fac Const & Mgnt	1,405	7,672	(6,267)	27,759	28,323	(564)
Draper	149,272	183,778	(34,506)	1,322,659	1,260,010	62,649
Granger-Hunter	808,446	937,358	(128,912)	5,543,028	5,492,929	50,099
Herriman	251,720	269,960	(18,240)	2,654,159	2,282,468	371,691
Hexcel Corporation	41,260	34,046	7,214	170,275	140,329	29,945
Kearns	312,005	348,445	(36,440)	2,242,966	2,158,893	84,073
Magna	30,919	26,506	4,413	118,103	112,849	5,254
Midvale	97,101	178,136	(81,036)	741,526	908,605	(167,080)
Riverton	217,222	231,675	(14,453)	1,166,077	1,084,177	81,899
South Jordan	603,124	214,529	388,595	5,324,416	4,478,235	846,181
South Salt Lake	33,475	35,902	(2,427)	136,565	104,009	32,555
Taylorville-Bennion	110,565	174,875	(64,309)	584,221	754,904	(170,683)
WaterPro, Inc.	-	-	-	-	-	-
West Jordan	773,413	944,202	(170,789)	6,122,924	5,987,988	134,936
White City	50	50	-	200	200	-
Willow Creek Country Club	986	2,120	(1,134)	15,187	17,024	(1,837)
TOTALS	<u>\$ 3,562,750</u>	<u>\$ 3,755,072</u>	<u>\$ (192,321)</u>	<u>\$ 27,170,654</u>	<u>\$ 25,792,688</u>	<u>\$ 1,377,966</u>

JORDAN VALLEY WATER CONSERVANCY DISTRICT
FUND BALANCES - OCTOBER 2023

CASH BASIS - UNAUDITED

	Operating Funds			
	Revenue	Operation and	General	Retail
	Fund *	Maintenance	Equipment	Deposit
		Fund *	Fund	Account
Beginning Cash Balance	\$ 16,984,228.34	\$ 11,357,007.59	\$ 246,005.31	\$ 209,680.00
CASH RECEIPTS:				
Operations	11,442,201.74	334,065.91	-	140,240.00
Interest	80,557.56	59,303.96	1,091.14	-
Bond	-	-	-	-
Transfers	-	5,000,000.00	-	-
Total Cash Receipts	11,522,759.30	5,393,369.87	1,091.14	140,240.00
CASH DISBURSEMENTS:				
Operations	15,381.41	4,863,774.69	-	1,500.00
Capital	-	-	-	-
Debt Service	160,804.23	-	-	-
Other	-	-	-	-
Transfers	5,000,000.00	-	-	-
Total Disbursements	5,176,185.64	4,863,774.69	-	1,500.00
Net Change in Cash	6,346,573.66	529,595.18	1,091.14	138,740.00
Ending Cash Balance	\$ 23,330,802.00	\$ 11,886,602.77	\$ 247,096.45	\$ 348,420.00
* Minimum Balance or Reserve	\$ 6,351,419.00	\$ 7,400,000.00	\$ -	\$ -

JORDAN VALLEY WATER CONSERVANCY DISTRICT
FUND BALANCES - OCTOBER 2023

CASH BASIS - UNAUDITED

Capital Funds		
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	Capital Replacement Reserve Fund	Capital Projects Fund	Bond Projects Fund
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Beginning Cash Balance	\$ 7,086,567.78	\$ 19,916,802.80	\$ 17,038.80
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CASH RECEIPTS:

Operations	-	-	-
Interest	31,432.07	88,997.25	76.02
Bond	-	-	-
Transfers	-	-	-
Total Cash Receipts	31,432.07	88,997.25	76.02

CASH DISBURSEMENTS:

Operations	-	-	-
Capital	1,813,205.09	2,725,201.24	-
Debt Service	-	-	-
Other	-	-	-
Transfers	-	-	-
Total Disbursements	1,813,205.09	2,725,201.24	-
Net Change in Cash	(1,781,773.02)	(2,636,203.99)	76.02

Ending Cash Balance	\$ 5,304,794.76	\$ 17,280,598.81	\$ 17,114.82
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* Minimum Balance or Reserve	\$ -	\$ -	\$ -
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JORDAN VALLEY WATER CONSERVANCY DISTRICT
FUND BALANCES - OCTOBER 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 *
Beginning Cash Balance	\$ 397,817.07	\$ 5,304,776.87	\$ 2,910,517.38	\$ 5,103,313.06	\$ 69,533,755.00
<u>CASH RECEIPTS:</u>					
Operations	-	-	-	-	11,916,507.65
Interest	1,764.49	23,529.04	12,909.43	11,145.76	310,806.72
Bond	-	-	-	-	-
Transfers	-	-	-	-	5,000,000.00
Total Cash Receipts	1,764.49	23,529.04	12,909.43	11,145.76	17,227,314.37
<u>CASH DISBURSEMENTS:</u>					
Operations	-	35,483.94	-	-	4,916,140.04
Capital	-	-	-	-	4,538,406.33
Debt Service	-	-	-	-	160,804.23
Other	-	-	-	-	-
Transfers	-	-	-	-	5,000,000.00
Total Disbursements	-	35,483.94	-	-	14,615,350.60
Net Change in Cash	1,764.49	(11,954.90)	12,909.43	11,145.76	2,611,963.77
Ending Cash Balance	\$ 399,581.56	\$ 5,292,821.97	\$ 2,923,426.81	\$ 5,114,458.82	\$ 72,145,718.77
* Minimum Balance or Reserve	\$ 399,581.56	\$ 5,292,821.97	\$ -	\$ 5,114,458.82	\$ 24,558,281.35

JORDAN VALLEY WATER CONSERVANCY DISTRICT
FUND BALANCES - OCTOBER 2023

INVESTMENT SUMMARY

	Institution/Account	Fund	Date Invested	Maturity Date	Interest Rate	Principal Invested	
Operating Funds	Zions Bank - Checking/Sweep Account	Revenue	10/01/23	10/31/23	4.99%	\$ 2,167,424.26	
	Paypal Account - Garden Revenue	Revenue	10/01/23	10/31/23	0.00%	7,905.47	
	Wells Fargo Bank - Savings Account	Revenue	10/01/23	10/31/23	0.10%	331,769.59	
	Express Bill Pay Deposit Account	Revenue	10/01/23	10/31/23	0.00%	450,855.38	
	CUWCD Series B-4 Revenue Bonds	Revenue	06/20/13	10/01/34	5.53%	1,670,000.00	
	Public Treasurers Investment Fund	Revenue	10/01/23	10/31/23	5.43%	18,702,847.30	
	Subtotal - Revenue Funds						23,330,802.00
	Zions Bank - Checking/Sweep Account	O&M	10/01/23	10/31/23	4.99%	(99,312.95)	
	Public Treasurers Investment Fund	O&M	10/01/23	10/31/23	5.43%	11,985,915.72	
	Subtotal - O&M Funds						11,886,602.77
Public Treasurers Investment Fund	General Equipment	10/01/23	10/31/23	5.43%	247,096.45		
Retail Deposit Account	Retail Deposit	10/01/23	10/31/23	0.00%	348,420.00		
Total Operating Funds						\$ 35,812,921.22	
Capital Funds	Public Treasurers Investment Fund	Capital Replacement Reserve	10/01/23	10/31/23	5.43%	\$ 5,304,794.76	
	Public Treasurers Investment Fund	Capital Projects	10/01/23	10/31/23	5.43%	17,188,576.87	
	Public Treasurers Investment Fund	Bond Project Funds	10/01/23	10/31/23	5.43%	17,114.82	
	Public Treasurers Investment Fund	Development Fee	10/01/23	10/31/23	5.43%	92,021.94	
	Total Capital Funds						\$ 22,602,508.39
Reserve Funds	Public Treasurers Investment Fund	Self Insurance	10/01/23	10/31/23	5.43%	\$ 5,292,821.97	
	Public Treasurers Investment Fund	JVWTP Maintenance	10/01/23	10/31/23	5.43%	96,980.16	
	Public Treasurers Investment Fund	Bond R&R	10/01/23	10/31/23	5.43%	175,260.01	
	Public Treasurers Investment Fund	JA Maintenance	10/01/23	10/31/23	5.43%	127,341.39	
	Public Treasurers Investment Fund	Revenue Stabilization	10/01/23	10/31/23	5.43%	2,923,426.81	
Total Reserve Funds						\$ 8,615,830.34	
Restricted Funds	Zions Bank (Trustee) - US Treasury Notes	B-1 Bond Debt Serv Res	Varies	Varies	2.79%	\$ 4,951,795.97	
	Zions Bank (Trustee) - US Treasury Notes	2009C Bond Debt Serv Res	Varies	Varies	2.79%	162,662.85	
	Total Restricted Funds						\$ 5,114,458.82
TOTAL ALL FUNDS						\$ 72,145,718.77	

JORDAN VALLEY WATER CONSERVANCY DISTRICT
BALANCE SHEET - OCTOBER 2023

MODIFIED ACCRUAL BASIS - UNAUDITED

	<u>OCTOBER 2023</u>	<u>OCTOBER 2022</u>
ASSETS		
<i>Current Assets:</i>		
Cash & Cash Equivalents (Note 1)	\$ 67,027,774	\$ 59,671,956
Accounts Receivable	1,989,978	5,695,669
Inventory	<u>654,868</u>	<u>654,868</u>
Total Current Assets	69,672,620	66,022,493
<i>Restricted Assets:</i>		
Cash & Investments	5,131,574	43,562,665
<i>Long-Term Assets:</i>		
Long-Term Receivables	-	-
Other Assets	8,565,423	8,565,423
Property, Plant & Equipment (Net)	<u>603,034,543</u>	<u>554,918,114</u>
Total Long-Term Assets	<u>611,599,966</u>	<u>563,483,537</u>
Total Assets	<u>\$ 686,404,160</u>	<u>\$ 673,068,695</u>
LIABILITIES & FUND EQUITY		
<i>Current Liabilities:</i>		
Accounts Payable	\$ (0)	\$ 908,519
Other Current Liabilities	<u>1,622,485</u>	<u>1,998,289</u>
Total Current Liabilities	1,622,485	2,906,808
<i>Long-Term Liabilities:</i>		
Bonds and Notes Payable	293,692,522	307,214,619
Other Long-Term Liabilities	<u>13,590,161</u>	<u>13,507,237</u>
Total Long-Term Liabilities	<u>307,282,683</u>	<u>320,721,856</u>
Total Liabilities	308,905,168	323,628,664
Total Net Position	<u>377,498,992</u>	<u>349,440,031</u>
Total Liabilities & Net Position	<u>\$ 686,404,160</u>	<u>\$ 673,068,695</u>

Note 1: Cash and cash equivalents totalling \$31,048,739 have been committed for; replacement reserve \$5,304,795, capital projects \$17,188,577, development fee \$92,022, general equipment \$247,096, self insurance reserve \$5,292,822 and revenue stabilization fund \$2,923,427.

JORDAN VALLEY WATER CONSERVANCY DISTRICT
IMPACT FEE SUMMARY - OCTOBER 2023

CASH BASIS - UNAUDITED

<u>Date</u>	<u>Payee</u>	<u>Subdivision/Lot#</u>	<u>Amount</u>
10/18/23	Murray Square Comm Cntr	4678 S 900 E	\$ 34,882.00
10/18/23	Murray Square Comm Cntr	4656 S 900 E	24,916.00
10/23/23	Murray Square Comm Cntr	4668 S 900 E	24,916.00
10/23/23	Fundblu, LLC	4877 S Holladay Rd	8,305.00
10/24/23	Paul Rennie	2830 E Sleepy Hollow Dr.	4,153.00
10/30/23	JF 4500 Partners, LLC	W. Legacy Blvd	65,404.00

Total Fees Collected October

\$ 162,576.00

Total Fees Collected Fiscal YTD

\$ 180,848.00

JORDAN VALLEY WATER CONSERVANCY DISTRICT

CHECK REGISTER - REVENUE ACCOUNT

For the Period October 01, 2023 Through October 31, 2023

CHECK NO.	CHECK DATE	VENDOR NAME	CHECK AMOUNT
72094	10/25/23	GREEN, REGNALD	\$63.90
72095	10/25/23	MARATHON PROPERTY MGMT LLC	62.02
72096	10/25/23	MCPIKE, CARLY & JEFF	336.08
72097	10/26/23	COONRADT, STEVEN	96.46
REPORT TOTAL:			<u>\$558.46</u>

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PAYMENT REGISTER - O&M ACCOUNT

For the Period October 01, 2023 Through October 31, 2023

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
179548	10/5/23	ACCURINT 51000650 5170	MONTHLY PEOPLE SEARCH SERVICE	225.00	\$225.00
179549	10/5/23	ALL WEATHER WATERPROOFING, INC 83000570 5380	ADMIN ROOF REPAIR	5,600.00	5,600.00
179550	10/5/23	BADGER METER, INC 72072570 5360	FILTER SURVEILLANCE EQUIPMENT	9,695.76	9,695.76
179551	10/5/23	BLACK FOREST PAVING 11000160 6010 3910	HEADQUARTERS CAMPUS SITE IMPROVEME	77,452.14	77,452.14
179552	10/5/23	BOLT & NUT SUPPLY COMPANY 82000570 5380	25-5/8" DROP IN ANCHORS FOR PIPELINE MA	100.50	100.50
179553	10/5/23	CHILD SUPPORT SERVICES 11000200 2135	PAYROLL 093023	529.00	529.00
179554	10/5/23	CHRISTENSEN & JENSEN PC 51000650 5284	GENERAL ADJUDICATION	350.00	350.00
179555	10/5/23	CORPORATE TRADITIONS 51000650 5170	2023 HOLIDAY LUNCHEON/CERTIFICATES	6,798.00	6,798.00
179556	10/5/23	DEVAR INC 91000570 5310	REPLACE BUILDING TEMP TRANSMITTER FO	801.44	801.44
179557	10/5/23	GENEVA ROCK PRODUCTS INC 82000570 5380 83072570 5380	ROADBASE & CONCRETE CONCRETE FOR CURB & GUTTER AT SERWT	2,259.54 1,086.62	3,346.16
179558	10/5/23	HAZEN & SAWYER, P. C 11000182 6010 4255	JVWTP BASINS 1-2 SEISMIC AND C	292,489.13	292,489.13
179559	10/5/23	HOUSE OF PUMPS 82000570 5310	DEWATERING PUMP CLINTS TRUCK	387.35	387.35
179560	10/5/23	INTERMOUNTAIN FUSE SUPPLY INC 91000570 5310	15 KV FUSE FOR PUMP STATION AT TERMINA	1,995.00	1,995.00
179561	10/5/23	JENKINS PLUMBING COMPANY 71071570 5380 77071590 5770	JVWTP BACKFLOW TESTING AND REPAIR JVWTP BACKFLOW TESTING AND REPAIR	849.30 1,425.00	2,274.30
179562	10/5/23	LAW OFFICES OF KIRK A CULLIMORE LLC 11000200 2135	GARCIA	300.00	300.00
179563	10/5/23	LINDE GAS & EQUIPMENT 78000590 5720	GASSES FOR LAB INSTRUMENTS	78.12	78.12
179564	10/5/23	MILLER PAVING INC 11000182 6010 4313	SERWTP FILTER BLDG ASPHALT PAVING	10,030.00	10,030.00
179565	10/5/23	MOUNTAIN STATES FENCE COMPANY INC 83000570 5350	FENCE BRACKETS TO REPLACE CUT BRACK	20.40	20.40
179566	10/5/23	NATIONAL BENEFIT SERVICES HRA 11000200 2135	PAYROLL 093023	2,337.66	2,337.66

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PAYMENT REGISTER - O&M ACCOUNT

For the Period October 01, 2023 Through October 31, 2023

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
179567	10/5/23	NATIONAL BENEFIT SERVICES HRA 11000200 2135	ADMIN FEES	429.00	\$429.00
179568	10/5/23	NOLAND & SON CONSTRUCTION COMPANY INC 11000188 6010 4225	RED MAPLE DISTRIBUTION PIPELIN	272,719.04	272,719.04
179569	10/5/23	NORTH JORDAN IRRIGATION 70000510 5820	NORTH JORDAN IRRIGATION CO STOCK ASSI	89,225.00	189,225.00
179570	10/5/23	PFM ASSET MANAGEMENT LLC 51000650 5280	MONTHLY INVESTMENT ADVISOR SERVICES	649.64	649.64
179571	10/5/23	PITNEY BOWES INC 51000650 5250	MAIL MACHINE CHARGES	1,091.34	1,091.34
179572	10/5/23	RAY QUINNEY & NEBEKER 51000650 5284	15038-91	924.00	924.00
179573	10/5/23	REPUBLIC SERVICES INC 62000570 5350	EDUCATION	418.18	418.18
179574	10/5/23	ROCKY MOUNTAIN POWER			70,104.67
		75200590 5410	175509260113	35.56	
		75200590 5410	311522760504	37.31	
		75200590 5410	311522760652	41.39	
		75200590 5410	325517860012	11.14	
		75200590 5410	377120460060	16.31	
		75300590 5410	261824160053	449.26	
		75300590 5410	311522760603	123.11	
		75300590 5410	33307260015	66.62	
		75300590 5410	333119160013	10,297.28	
		75300590 5410	333821260010	248.19	
		75300590 5410	377120460052	11,245.38	
		75300590 5410	913799040013	34,078.59	
		75500590 5410	227856660146	12,977.43	
		75600590 5410	227856660138	241.06	
		75600590 5410	311522760025	14.62	
		75700590 5410	37720560025-092723	28.36	
		75700590 5410	253216260013	82.86	
		75700590 5410	322497360014	96.27	
		75700590 5410	377131660021-092723	13.93	
179575	10/5/23	SANDY CITY 72000590 5440	11574 WYNDCASTLE	2,839.65	2,839.65
179576	10/5/23	SIGMA-ALDRICH INC 78000590 5720	HAAS AND THMS STANDARDS	779.50	779.50
179577	10/5/23	STANDARD PLUMBING SUPPLY/SPRINKLER WORLD 83000570 5350	URINAL VALVE FOR VEHICLE MAINTENANCE	375.76	375.76
179578	10/5/23	UNITED RENTALS INC 82000570 5310	3-5'X10'X1" TRAFFIC PLATES 1- LIFTING EYE	7,770.00	7,770.00
179579	10/5/23	UTAH LANDSCAPE SUPPLY 82000570 5380	SOD FOR MLB RESTORATION & WATERSIDE /	61.60	61.60
179580	10/5/23	VALLEY DESIGN & CONSTRUCTION 11000160 6010 4014	OLD BINGHAM HWY EQUIPMENT STOR	54,589.35	54,589.35

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PAYMENT REGISTER - O&M ACCOUNT

For the Period October 01, 2023 Through October 31, 2023

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
179581	10/5/23	VERIZON WIRELESS			\$1,812.52
		90000650 5230	VERIZON AMI BILL	50.12	
		90000650 5230	VERIZON WIRELESS IPAD BILL	136.98	
		90000650 5230	VERIZON WIRELESS PHONE & DATA ACCESS	1,276.60	
		90071650 5230	VERIZON AMI BILL	25.00	
		90071650 5230	VERIZON WIRELESS PHONE & DATA ACCESS	65.12	
		90072650 5230	VERIZON AMI BILL	25.00	
		90072650 5230	VERIZON WIRELESS PHONE & DATA ACCESS	25.11	
		90077650 5230	VERIZON WIRELESS PHONE & DATA ACCESS	136.39	
		90101650 5230	VERIZON AMI BILL	25.00	
		90101650 5230	VERIZON WIRELESS PHONE & DATA ACCESS	47.20	
179582	10/5/23	WASATCH BARRICADE			1,371.20
		82000570 5380	TRAFFIC CONTROL FOR 3300 SOUTH 150 WE	1,371.20	
179583	10/5/23	WEST JORDAN CITY			1,474.29
		51000650 5410	8275 S 1300 W	5.22	
		51000650 5430	8275 S 1300 W	29.52	
		51000650 5440	8275 S 1300 W	1,439.55	
179584	10/13/23	AAF INTERNATIONAL			628.96
		81000570 5360	HVAC FILTERS	511.12	
		81072570 5360	HVAC FILTERS	117.84	
179585	10/13/23	AFLAC PREMIUM HOLDING			930.79
		11000200 2135	Payroll Run 1 - Warrant 093023	930.79	
179586	10/13/23	ALLSTREAM			1,206.90
		51000650 5450	8215 S 1300 W	1,101.28	
		70100590 5450	15305 S 3200 W	105.62	
179587	10/13/23	AMANDA STRACK			396.94
		62000570 5290	WATERSMART	396.94	
179588	10/13/23	CITY OF SOUTH SALT LAKE			24.00
		52000570 5400	465 E 3900 S	24.00	
179589	10/13/23	COTTONWOOD IMPROVEMENT DISTRICT			180.00
		75300590 5430	10190 NEWBURY	60.00	
		75300590 5430	1526 E 8600 S	60.00	
		75300590 5430	9390 SOLENA WAY	60.00	
179590	10/13/23	COURTNEY BROWN			302.57
		62000570 5290	WATERSMART	302.57	
179591	10/13/23	CUMMINS SALES AND SERVICE			104.56
		81000570 5330	EXUAST GASKETS FOR 411	104.56	
179592	10/13/23	CYNTHIA BEE			381.90
		60000650 5290	60000650	381.90	
179593	10/13/23	DAVID GREGORY			186.00
		90000650 5290	LIVE 360	186.00	
179594	10/13/23	DOMINION ENERGY			143.28
		75500590 5420	3200 W 6200 S 1	28.25	
		75500590 5420	4400 S 4800 W REAR	115.03	
179595	10/13/23	DRAPER CITY			7.00
		52000570 5400	108 E 11400 S	7.00	

JORDAN VALLEY WATER CONSERVANCY DISTRICT

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PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
179596	10/13/23	ERIK WERMEL 62000570 5290	WATERSMART	277.24	\$277.24
179597	10/13/23	ELLIOTT AUTO SUPPLY COMPANY INC 81000570 5330	REPAIR PARTS FROM FACTORY MOTOR PAR	142.88	142.88
179598	10/13/23	GORDON BATT 70000590 5290	AWWA WQTC	201.00	201.00
179599	10/13/23	GRANITE SCHOOL DISTRICT 62000570 5270	ELEMENTARY SCHOOL TOUR REIMBURSEME	390.50	390.50
179600	10/13/23	HERRIMAN CITY 62000570 5670	MEMBER AGENCY GRANT - HERRIMAN	11,323.00	11,323.00
179601	10/13/23	HOLLIDAY WATER COMPANY 52000570 5400	2129 E 4800 S	89.85	89.85
179602	10/13/23	JASON T BROWN 90000650 5290	LIVE 360	186.00	186.00
179603	10/13/23	JEANETTE PERRY 60000650 5290	WATERSMART	453.43	453.43
179604	10/13/23	JONATHAN HILBERT 77000590 5290	AWWA WQTC	201.00	201.00
179605	10/13/23	JONES PAINT & GLASS INC 83000570 5350	FLOOR PAINT AND JORDAN VALLEY BLUE PA	3,010.56	3,010.56
179606	10/13/23	JUSTIN LORDS 62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	1,513.00	1,513.00
179607	10/13/23	LEHI CITY CORPORATION 70101590 5410 70101590 5410	1250 E SR92 NE CORNER SR92	35.50 36.34	71.84
179608	10/13/23	MADELINE SUELTZ 62000570 5290	WATERSMART	396.94	396.94
179609	10/13/23	MARSHALL CLARK 90000650 5290	LIVE 360	186.00	186.00
179610	10/13/23	MATT OLSEN 51000650 5290	WATERSMART	297.40	297.40
179611	10/13/23	NAPA GENUINE AUTO PARTS COMPANY 81000570 5330 81000570 5330 81000570 5330	REPAIR PARTS AND SUPPLYS FROM NAPA. REPAIR PARTS FROM NAPA REPAIR PARTS FROM NAPA.	674.07 1,391.40 722.26	2,787.73
179612	10/13/23	NORTHERN LAKE SERVICE INC 77075590 5770	WATER QUALITY ANALYSIS	1,580.00	1,580.00

JORDAN VALLEY WATER CONSERVANCY DISTRICT

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For the Period October 01, 2023 Through October 31, 2023

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
179613	10/13/23	ROCKY MOUNTAIN POWER			\$75,671.85
		70100590 5410	175509260279	73,745.31	
		70101590 5410	557994860012	564.00	
		72211590 5410	321644760019	14.90	
		72211590 5410	913799040088	20.77	
		75101590 5410	261824160012	1,304.85	
		75300590 5410	175509260204	22.02	
179614	10/13/23	SANDY CITY			77.88
		75300590 5430	1147 WEBSTER	8.98	
		75300590 5430	1443 E 9400 S	17.96	
		75300590 5430	1784 CREEK RD	14.98	
		75300590 5430	1787 CREEK RD	8.98	
		75300590 5430	7618 S 700 E	26.98	
179615	10/13/23	SMALLEY & COMPANY			72.14
		83000570 5350	SIKA PRIMER FOR SIKA INSTALL AT PICKLEB/	72.14	
179616	10/13/23	SOUTH JORDAN CITY			49,481.74
		52000570 5400	10305 S 3200 W LAND	263.59	
		62000570 5670	MEMBER AGENCY GRANT - SOUTH JORDAN I	38,736.67	
		62000570 5670	MEMBER AGENCY GRANT - SOUTH JORDAN I	10,415.27	
		75300590 5430	10932 S 2700 WAY	30.00	
		75300590 5430	9911 S 2700 W LAND	36.21	
179617	10/13/23	STANDARD PLUMBING SUPPLY/SPRINKLER WORLD			38.06
		81000570 5380	FITTINGS AND BRAZING ROD FOR COIL REPA	38.06	
179618	10/13/23	UTAH & SALT LAKE CANAL CO			86,520.00
		70000510 5820	USLCC ANNUAL SHARE ASSESSMENT	86,520.00	
179619	10/13/23	UTAH BUREAU OF CRIMINAL IDENTIFICATION			66.50
		51000650 5170	EMPLOYEES BACKGROUND CHECK	66.50	
179620	10/13/23	UTAH WILDFLOWER CO,LLC			45.84
		62000570 5670	REPLACE LOST CHECK	45.84	
179621	10/13/23	VALERIE MILLETTE			456.94
		62000570 5290	WATERSMART	456.94	
179622	10/13/23	VANCON INC			26,111.29
		51000000 6210	CONTRACTOR DAMAGED EQUIPMENT- JUNE	26,111.29	
179623	10/13/23	WASATCH BARRICADE			1,169.40
		82000570 5380	TRAFFIC CONTROL 4500 S 521 E MLB WASAT	1,169.40	
179624	10/13/23	WEST JORDAN CITY			9,689.24
		51000650 5430	8215 S 1300 W	9,689.24	
179625	10/13/23	WEST VALLEY CITY			186.00
		75300590 5430	VARIOUS LOCATIONS	186.00	
179626	10/13/23	ZAYO GROUP LLC			1,577.91
		90000650 5230	8215 S TEMPLE	1,577.91	
179627	10/13/23	ZIONS BANK			44,268.15
		51000650 5286	B1 BOND QUARTERLY LIQUIDITY AGREEMEN	44,268.15	

JORDAN VALLEY WATER CONSERVANCY DISTRICT

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PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
179628	10/19/23	ALLSTREAM			\$1,095.13
		71000590 5450	15305 S 3200 W	988.85	
		72000590 5450	15305 S 3200 W	106.28	
179629	10/19/23	AUTOMATION-X CORPORATION			1,456.50
		91000570 5310	REPLACE ROSECREST RESERVOIR RADIO	1,456.50	
179630	10/19/23	B.D. BUSH EXCAVATION, INC			312,724.80
		11000188 6010 4190	3300 S PIPELINE REPLACEMENT	312,724.80	
179631	10/19/23	CHANDLER & JULIE WHIPPLE TRUST			VOID
179632	10/19/23	CHILD SUPPORT SERVICES			529.00
		11000200 2135	PAYROLL 101523	529.00	
179633	10/19/23	CHRISTY MCCARTHY			2,313.72
		62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	2,313.72	
179634	10/19/23	CRS CONSULTING ENGINEERS INC			5,852.31
		11000180 6010 4213	DW6/DW8 WELL REPAIRS	581.06	
		11000180 6010 4293	9800 S 2300 E WELL EQUIPPING	5,271.25	
179635	10/19/23	JENKINS PLUMBING COMPANY			883.22
		72072570 5380	BACKFLOW PREVENTOR REPAIRS	358.22	
		77072590 5770	SERWTP BACKFLOW TESTING	525.00	
179636	10/19/23	JUDITH METEKINGI			633.75
		62000570 5670	FLIP YOUR STRIP PAYMENT	633.75	
179637	10/19/23	KEVIN OR TAMMY ROBINSON			2,800.00
		11000170 6010	WATER SHARE PURCHASE	2,800.00	
179638	10/19/23	LAW OFFICES OF KIRK A CULLIMORE LLC			300.00
		11000200 2135	GARCIA	300.00	
179639	10/19/23	LESLIE M. & BETTY JEAN PETERSON			5,800.00
		11000170 6010	WATER SHARE PURCHASE	5,800.00	
179640	10/19/23	MICHAEL OR JANICE BAKER			17,060.00
		11000170 6010	WATER SHARE PURCHASE	17,060.00	
179641	10/19/23	RAY QUINNEY & NEBEKER			4,060.00
		51000650 5284	15038-162	3,710.00	
		51000650 5284	15038-91	350.00	

JORDAN VALLEY WATER CONSERVANCY DISTRICT

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PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
179642	10/19/23	ROCKY MOUNTAIN POWER			\$71,916.89
		52000570 5400	311522760124	11.54	
		52000570 5400	311522760132	11.14	
		52000570 5400	311522760405	13.52	
		70100590 5410	377220560017	18,715.79	
		75200590 5410	175509260014	14.68	
		75200590 5410	311522760546	96.78	
		75300590 5410	175509260105	2.14	
		75300590 5410	175509260162	43.50	
		75300590 5410	175509260337	61.78	
		75500590 5410	235992060014	14,796.81	
		75500590 5410	175509260238	10,547.22	
		75500590 5410	175509260295	19,088.31	
		75500590 5410	175509260360	8,313.86	
		75600590 5410	311522760462	19.93	
		75600590 5410	377131660047	15.55	
		75600590 5410	175509260022	28.15	
		75600590 5410	227856660013	30.13	
		75600590 5410	227856660039	39.30	
		75600590 5410	311522760157	21.30	
		75600590 5410	311522760181	13.89	
		75700590 5410	311522760611	31.57	
179643	10/19/23	SOUTH JORDAN CANAL COMPANY			59,131.50
		70000510 5820	SOUTH JORDAN CANAL CO. ANNUAL ASSESS	59,131.50	
179644	10/19/23	SOUTH VALLEY SEWER DISTRICT			354.32
		71000590 5430	15305 S 3200 W	116.76	
		72000590 5430	11574 S WYNDCASTLE NEW	37.56	
		72000590 5430	11574 WYNDCASTLE OLD	25.00	
		75300590 5430	3145 W 11400 S	25.00	
		75300590 5430	3257 CURRENT CREEK CIR	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 W1	25.00	
		75501590 5430	9911 S 2700 W	25.00	
179645	10/19/23	UTAH DEPT ENVIRONMENTAL QUALITY			6,325.00
		77073590 5770	ANNUAL FEE FOR UPDES PERMIT UT0025836	6,325.00	
179646	10/19/23	UTAH DIVISION OF GOV. OPERATIONS			16,422.91
		81000570 5340	FLEET FUEL BILL FOR SEPTEMBER	16,422.91	
179647	10/19/23	UTAH STATE TAX COMMISSION			45,725.41
		11000200 2240	PAYROLL 101523	45,725.41	
179648	10/19/23	UTAH STATE TREASURER			12,515.13
		11000200 2145	UNCLAIMED PROPERTY	12,515.13	
179649	10/26/23	BENJAMIN FIETKAU			600.00
		70000510 5810	YEARLY PAYMENT FOR WATER LEASED TO T	600.00	
179650	10/26/23	BOLT & NUT SUPPLY COMPANY			54.04
		75002570 5380	BOLTS AND NUTS	54.04	
179651	10/26/23	BONNIE P EVANS			2,295.00
		70000510 5810	YEARLY PAYMENT FOR WATER LEASED TO T	2,295.00	

JORDAN VALLEY WATER CONSERVANCY DISTRICT

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PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
179652	10/26/23	CAROL RUSHTON 62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	1,120.20	\$1,120.20
179653	10/26/23	CATE EQUIPMENT/ INDUSTRIAL 81073570 5360	SERVICE COMPRESSOR AT SWGWTP	2,603.29	2,603.29
179654	10/26/23	CLAUDIA G NELSON 70000510 5810	YEARLY PAYMENT FOR WATER LEASED TO T	2,250.00	2,250.00
179655	10/26/23	CLOYD AND RUTH CHRISTIANSEN FAMILY TRUST 70000510 5810	YEARLY PAYMENT FOR WATER LEASED TO T	495.00	495.00
179656	10/26/23	COMMERCIAL MECHANICAL SYSTEMS & SERVICES,INC 81073570 5380	INSTALL HEAT EXCHAINGER RO PLANT OFFI	5,369.00	5,369.00
179657	10/26/23	CRAIG R PEAY 70000510 5810	YEARLY PAYMENT FOR WATER LEASED TO T	600.00	600.00
179658	10/26/23	DAVID HARDY FAMILY REVOCABLE TRUST 70000510 5810	YEARLY PAYMENT FOR WATER LEASE	100.00	100.00
179659	10/26/23	DAVID PARKE FAMILY TRUST 62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	462.00	462.00
179660	10/26/23	DIANE HAIDENTHALLER 70000510 5810	YEARLY PAYMENT FOR WATER LEASED TO T	2,000.00	2,000.00
179661	10/26/23	DOMINION ENERGY 71000590 5420 72000590 5420 72000590 5420 75300590 5420 75300590 5420 75300590 5420	15305 S 3200 W 11574 WYNDCASTLE ACTI 11574 WYNDCASTLE FILT 1200 E 9400 S 8153 S 700 E 8200 S 1000 E	981.57 37.09 641.94 22.16 14.04 15.17	1,711.97
179662	10/26/23	DUFF G TURNER 51000650 5135	REFUND OVERPAID INSURANCE PREMIUM	1,021.89	1,021.89
179663	10/26/23	GARY COOPER 70000510 5810	YEARLY PAYMENT FOR WATER LEASED BY TI	5,100.00	5,100.00
179664	10/26/23	GENE C TOMLINSON FAMILY TRUST 70000510 5810	YEARLY PAYMENT FOR WATER LEASED TO T	330.00	330.00
179665	10/26/23	GENEVA ROCK PRODUCTS INC 82000570 5380	ROADBASE	144.87	144.87
179666	10/26/23	IMPACT UTAH 80000570 5290	PIT CREW TEAMWORK AND LEADERSHIP TR	6,225.00	6,225.00
179667	10/26/23	INTERMOUNTAIN HEALTHCARE 51000650 5170	EAP INTERMOUNTAIN HEALTHCARE	1,392.00	1,392.00
179668	10/26/23	JDM TRUST 70000510 5810	YEARLY PAYMENT FOR WATER LEASED TO T	330.00	330.00
179669	10/26/23	JORDAN SCHOOL DISTRICT 62000570 5270	FIELD TRIP REIMBURSEMENT - FOOTHILLS E	771.97	771.97

JORDAN VALLEY WATER CONSERVANCY DISTRICT

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PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
179670	10/26/23	JORDAN SCHOOL DISTRICT 62000570 5270	FIELD TRIP REIMBURSEMENT - FOX HOLLOW	530.73	\$530.73
179671	10/26/23	KATHY SIMKINS 70000510 5810	YEARLY PAYMENT FOR WATER LEASED TO T	100.00	100.00
179672	10/26/23	KEARNS IMPROVEMENT DISTRICT 62000570 5670	COMMERCIAL LANDSCAPE INCENTIVE PROC	50,000.00	50,000.00
179673	10/26/23	KEARNS IMPROVEMENT DISTRICT			VOID
179674	10/26/23	LAYTON CITY 52000570 5400	997 W GENTILE	79.80	79.80
179675	10/26/23	LEGAL SHIELD 11000200 2135	PAYROLL	1,308.85	1,308.85
179676	10/26/23	LYLE L CHRISTIANSEN 70000510 5810	YEARLY PAYMENT FOR WATER LEASED TO T	165.00	165.00
179677	10/26/23	MARILYN JANE OR WARREN ROGER CANNON 70000510 5810	YEARLY PAYMENT FOR WATER LEASED TO T	300.00	300.00
179678	10/26/23	MARLENE C BENNETT 70000510 5810	YEARLY PAYMENT FOR WATER LEASED BY TI	1,650.00	1,650.00
179679	10/26/23	MATTHEW K MELVILLE 70000510 5810	YEARLY PAYMENT FOR WATER LEASED TO T	150.00	150.00
179680	10/26/23	NADINE W. EVANS TRUST 70000510 5810	YEARLY PAYMENT FOR WATER LEASED TO T	1,147.50	1,147.50
179681	10/26/23	NAPA J & L PARTS GROUP 83071570 5350	BLUE DEF FOR DIESEL EQUIP USED AT JWWT	107.94	107.94
179682	10/26/23	PAT MCDOWELL 70000510 5810	YEARLY PAYMENT FOR WATER LEASED TO T	500.00	500.00
179683	10/26/23	POSTMASTER 60000650 5250	RETAIL BILLING POSTAGE	3,900.00	3,900.00
179684	10/26/23	RANDY FARNWORTH CORP 70000510 5810	YEARLY PAYMENT FOR WATER LEASED TO T	100.00	100.00
179685	10/26/23	REED GIBBY 51000660 5290	CRWUA	162.00	162.00
179686	10/26/23	RICHARD MELVILLE 70000510 5810	YEARLY PAYMENT FOR WATER LEASED TO T	100.00	100.00
179687	10/26/23	ROBERT CARLISLE 70000510 5810	YEARLY PAYMENT FOR WATER LEASED TO T	1,200.00	1,200.00
179688	10/26/23	ROBERT GAIL BILLINGS 70000510 5810	YEARLY PAYMENT FOR WATER LEASED BY TI	1,350.00	1,350.00
179689	10/26/23	ROBERT T MOLLNER 70000510 5810	YEARLY PAYMENT FOR WATER LEASED TO T	100.00	100.00

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PAYMENT REGISTER - O&M ACCOUNT

For the Period October 01, 2023 Through October 31, 2023

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
179690	10/26/23	ROCKY MOUNTAIN POWER			\$210,716.47
		71000590 5410	175509260287	24,866.68	
		72000590 5410	175509260188	5,516.26	
		75200590 5410	175509260063	11.25	
		75200590 5410	175509260253	38.39	
		75200590 5410	227856660021	65.68	
		75200590 5410	287176760018	17.97	
		75200590 5410	311522760330	32.72	
		75200590 5410	329228560010	56.34	
		75300590 5410	311522760017	190.09	
		75300590 5410	311522760074	35,296.03	
		75300590 5410	333110060014	58.60	
		75300590 5410	913799040047	5,163.71	
		75300590 5410	175509260170	14.73	
		75300590 5410	175509260386	88.65	
		75300590 5410	261824160038	97.91	
		75300590 5410	261824160046	114.26	
		75500590 5410	259822160018	10,673.13	
		75500590 5410	266289460013	28,116.58	
		75500590 5410	175509260410	76,965.94	
		75500590 5410	227856660120	23,167.40	
		75600590 5410	311522760470	26.98	
		75600590 5410	377220560033	26.42	
		75600590 5410	175509260246	14.78	
		75600590 5410	311522760033	20.75	
		75600590 5410	311522760363	22.87	
		75600590 5410	311522760454	30.65	
		75700590 5410	175509260261	21.70	
179691	10/26/23	SALT LAKE CEMENT CUTTING INC			1,547.50
		82000570 5380	ROADCUT MLB	200.00	
		82000570 5380	ROADCUTS	1,347.50	
179692	10/26/23	SANDY CITY			8.98
		52000570 5400	579 W 9400 S	8.98	
179693	10/26/23	SELECTHEALTH			247,466.20
		11000200 2135	PAYROLL	247,466.20	
179694	10/26/23	SIGMA-ALDRICH INC			705.81
		78000590 5720	NITROGEN PURIFIER	705.81	
179695	10/26/23	STAN ROBERTS			150.00
		70000510 5810	YEARLY PAYMENT FOR WATER LEASED TO T	150.00	
179696	10/26/23	TAYLORSVILLE CITY			109,491.00
		62000570 5670	MUNICIPAL PARTNERSHIPS GRANT - TAYLOR	109,491.00	
179697	10/26/23	TREA VISTA STATION LLC			35,410.00
		62000570 5670	LANDSCAPE LEADERSHIP GRANT - VISTA ST/	35,410.00	
179698	10/26/23	VALLEY GLASS COMPANY			1,576.00
		83000570 5380	MAINTENANCE CONFERENCE ROOM WINDO'	1,576.00	
179699	10/31/23	HARPER PRECAST			1,131.25
		82000570 5380	BACKFILL MATERIAL MLB	1,131.25	
179700	10/31/23	CHRISTIAN LUNDAHL			44,000.00
		11000170 6010	WATER SHARES PURCHASE	44,000.00	

JORDAN VALLEY WATER CONSERVANCY DISTRICT

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For the Period October 01, 2023 Through October 31, 2023

PAYMENT NO.	PAYMENT DATE	VENDOR NAME	ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
179701	10/31/23	COREY L RUSHTON	51000660 5290	CRWUA	507.80	\$507.80
179702	10/31/23	CRISSANNE MADSEN	62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	1,034.50	1,034.50
179703	10/31/23	CUTLER'S INC	83000570 5350	DISCHARGE HOSE AND SHOOT DEFLECTOR	338.78	338.78
179704	10/31/23	HK PROPERTIES, LLC	11000170 6010	WATER STOCK PURCHASE	56,000.00	56,000.00
179705	10/31/23	INTERMOUNTAIN FARMERS ASSOCIATION	83000570 5350	GRASS SEED FOR WELL SITE TURF GRASS	199.98	199.98
179706	10/31/23	JENKINS PLUMBING COMPANY	77073590 5770	SWGWTB BACKFLOW TESTING	300.00	300.00
179707	10/31/23	NAPA GENUINE AUTO PARTS COMPANY	81071570 5360	BATTERIES FOR THE SOUTH GATE AT JWTF	242.22	242.22
179708	10/31/23	NORTH JORDAN IRRIGATION	70000510 5820	NORTH JORDAN IRRIGATION COMPANY STO	150.00	150.00
179709	10/31/23	POSTMASTER	60000650 5250	SEMI-ANNUAL REPORT POSTAGE FALL 2023	2,355.00	2,355.00
179710	10/31/23	RHINO PUMPS	81073570 5380	REPAIR PARTS FOR UTILITY WATER PUMP RC	1,466.00	1,466.00

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PAYMENT REGISTER - O&M ACCOUNT

For the Period October 01, 2023 Through October 31, 2023

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
179711	10/31/23	ROCKY MOUNTAIN POWER			\$79,308.85
		73000590 5410	377120460037	32,599.53	
		75200590 5410	311522760223	1,540.59	
		75200590 5410	311522760512	6,274.37	
		75200590 5410	311522760538	1,306.51	
		75200590 5410	311522760553	72.98	
		75200590 5410	311522760561	5,319.80	
		75200590 5410	311522760579	3,959.36	
		75300590 5410	311522760215	78.44	
		75300590 5410	326593760019	52.38	
		75300590 5410	333110760050	114.70	
		75300590 5410	333119160013	14,837.44	
		75300590 5410	333822660010	50.50	
		75300590 5410	376190160014	318.82	
		75300590 5410	175509260048	138.16	
		75300590 5410	175509260055	11,393.83	
		75300590 5410	175509260139	14.89	
		75300590 5410	175509260329	90.51	
		75300590 5410	311522760199	314.44	
		75500590 5410	175509260196	363.45	
		75500590 5410	913799040021	215.72	
		75600590 5410	311522760165	22.36	
		75600590 5410	311522760173	13.36	
		75600590 5410	311522760629	15.38	
		75600590 5410	377120460078	16.82	
		75600590 5410	377120460094	18.02	
		75600590 5410	377120460102	16.15	
		75600590 5410	175509260352	48.96	
		75600590 5410	175509260394	29.29	
		75600590 5410	311522760041	15.41	
		75600590 5410	311522760066	15.55	
		75700590 5410	364292260015	41.13	
179712	10/31/23	ROSEMOUNT INC			2,494.10
		91071570 5310	REPLACE PRESSURE TRANSMITTER FOR AIF	2,494.10	
179713	10/31/23	US BANK FINANCIAL			35,483.51
		11000200 2132	PCARDS 092623-102523	35,483.51	
179714	10/31/23	UTAH & SALT LAKE CANAL CO			2,278.00
		52000650 5280	FEEES FOR CHANGE APPLICATION A32138	2,278.00	
179715	10/31/23	VERIZON WIRELESS			3,003.83
		90000650 5230	VERIZON AMI BILL	50.20	
		90000650 5230	VERIZON WIRELESS IPAD BILL	361.98	
		90000650 5230	VERIZON WIRELESS PHONE & DATA ACCESS	1,853.71	
		90071650 5230	VERIZON AMI BILL	25.00	
		90071650 5230	VERIZON WIRELESS PHONE & DATA ACCESS	65.15	
		90072650 5230	VERIZON AMI BILL	25.00	
		90072650 5230	VERIZON WIRELESS PHONE & DATA ACCESS	25.14	
		90077650 5230	VERIZON WIRELESS PHONE & DATA ACCESS	525.42	
		90101650 5230	VERIZON AMI BILL	25.00	
		90101650 5230	VERIZON WIRELESS PHONE & DATA ACCESS	47.23	
504796 EFT	10/6/23	ADVANCED ENGINEERING & ENVIRONMENTAL SERVICES			34,987.00
		11000184 6010 4199	3200 WEST 10200 SOUTH BOOSTER	34,987.00	
504797 EFT	10/6/23	BARBARA SOLLEE			1,446.20
		62000570 5670	LOCALSCAPES REWARDS PROGRAM PAYME	1,446.20	

JORDAN VALLEY WATER CONSERVANCY DISTRICT

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PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
504798	EFT 10/6/23	BOWEN COLLINS & ASSOCIATES			\$24,666.55
		11000180 6010 4242	WELL DEVELOPMENT & TEST PUMPIN	7,684.75	
		11000180 6010 4310	13&64 WELL REPAIR	2,043.05	
		11000186 6010 4231	5200 WEST 6200 SOUTH RESERVOIR	14,938.75	
504799	EFT 10/6/23	CARAHSOFT TECHNOLOGY CORPORATION			259.14
		90000650 5230	ADDITIONAL CREATOR LICENSE FOR KIRA D	259.14	
504800	EFT 10/6/23	CATHRYN NELSON			2,951.10
		62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	2,951.10	
504801	EFT 10/6/23	CHEMTECH-FORD INC			4,009.00
		77071590 5770	WATER QUALITY ANALYSIS	267.00	
		77072590 5770	WATER QUALITY ANALYSIS	267.03	
		77073590 5770	WATER QUALITY ANALYSIS	1,594.97	
		77075590 5770	WATER QUALITY ANALYSIS	1,880.00	
504802	EFT 10/6/23	CINTAS CORPORATION			152.79
		72000590 5260	FIRST AID SUPPLIES	152.79	
504803	EFT 10/6/23	ELECSYS INTERNATIONAL CORPORATION			320.00
		90000650 5230	ELECSYS CATHODIC PROTECTION MONTHLY	70.00	
		90101650 5230	ELECSYS CATHODIC PROTECTION MONTHLY	250.00	
504804	EFT 10/6/23	ERIC DAVIS			75.50
		72000590 5260	REIMBURSEMENT FOR PRESCRIPTION SAFE	75.50	
504805	EFT 10/6/23	ERIKS NORTH AMERICA			172.06
		82000570 5310	FIRE HOSE TO WASH OUT THE VACTOR & FIL	172.06	
504806	EFT 10/6/23	FRANCLIM CARREIRO			7,393.18
		62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	7,393.18	
504807	EFT 10/6/23	HACH COMPANY			1,230.14
		91000570 5310	SAMPLE CELL VIAL & REPLACEMENT VIAL	554.32	
		91071570 5310	SAMPLE CELL VIAL & REPLACEMENT VIAL	185.08	
		91072570 5310	SAMPLE CELL VIAL & REPLACEMENT VIAL	185.08	
		91073570 5310	SAMPLE CELL VIAL & REPLACEMENT VIAL	92.54	
		71000590 5720	CHEM KEYS FOR LAB TESTING	159.06	
		73000590 5720	PH BUFFER FOR THE LAB	54.06	
504808	EFT 10/6/23	JENTEAL JACKSON			1,871.39
		62000570 5670	LOCALSCAPES REWARDS PROGRAM PAYME	1,871.39	
504809	EFT 10/6/23	KAITLYN DIXON			2,098.20
		62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	2,098.20	
504810	EFT 10/6/23	KATHERINE CHIPMAN			2,462.00
		62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	2,462.00	
504811	EFT 10/6/23	KATHRYN YUOSKA			661.13
		62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	661.13	
504812	EFT 10/6/23	KENT EDEN			15,911.31
		62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	15,911.31	
504813	EFT 10/6/23	KILGORE COMPANIES, LLC			2,439.66
		82000570 5380	CONCRETE, ASPHALT & ROCK	2,439.66	

JORDAN VALLEY WATER CONSERVANCY DISTRICT

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PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
504814	EFT 10/6/23	MANLEY BROS OF INDIANA INC 72000590 5710	22 TONS OF SILICA SAND FOR ACTIFLO	10,360.74	\$10,360.74
504815	EFT 10/6/23	MELANI J FRANCIS 62000570 5670	LOCALSCAPES REWARDS PROGRAM PAYME	1,760.73	1,760.73
504816	EFT 10/6/23	MOUNTAINLAND SUPPLY COMPANY 83071570 5350	DRINKING FOUNTAIN BOTTLE FILL STATION F	708.33	708.33
504817	EFT 10/6/23	MOWER MEDIC 83000570 5310	GROUNDS EQUIPMENT	2,836.98	2,836.98
504818	EFT 10/6/23	NATHAN CLARKE 62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	1,972.65	1,972.65
504819	EFT 10/6/23	RALPH L WADSWORTH 11000186 6010 4231	5200 WEST 6200 SOUTH RESERVOIR	1,007,601.39	1,007,601.39
504820	EFT 10/6/23	SHAUNA EHNINGER 62000570 5670	FLIP YOUR STRIP PAYMENT	815.63	815.63
504821	EFT 10/6/23	STAPLES BUSINESS ADVANTAGE 51000650 5220 71000590 5220 78000590 5720	OFFICE SUPPLIES OFFICE SUPPLIES OFFICE SUPPLIES	28.03 95.20 71.33	194.56
504822	EFT 10/6/23	STEVE REGAN COMPANY 83000570 5350 83071570 5350	HERBICIDES FOR WEED CONTROL HERBICIDES FOR WEED CONTROL	1,107.26 1,000.00	2,107.26
504823	EFT 10/6/23	THATCHER COMPANY 71000590 5710 71000590 5710 72000590 5710 72000590 5710 75000590 5710	CHEMICALS FOR JVWTP - LIQUID CHLORINE CHEMICALS FOR JVWTP - PACL PURCHASE OF CHLORINE FOR THE FISCAL Y PURCHASE OF PACL FOR FISCAL YEAR 2024 2 (QTY) BAGS OF CITRIC ACID	26,400.00 17,684.49 15,689.37 9,027.00 363.00	69,163.86
504824	EFT 10/6/23	TRANS-JORDAN CITIES 82000570 5380 83000570 5350	MIXED WASTE GREEN AND MIXED WASTE	746.85 160.22	907.07
504825	EFT 10/6/23	VWR INTERNATIONAL INC 78000590 5720	LAB SUPPLIES FOR GENERAL, HAAS AND ME	3,363.48	3,363.48
504826	EFT 10/6/23	WATERFORD SERVICES, LLC 71071570 5380	VACCUM REGULATORS FOR CHLORINE	2,744.78	2,744.78
504827	EFT 10/6/23	WW GRAINGER 78000590 5260	FULL-FACE RESPIRATOR MASK, CARTRIDGE	335.02	335.02
504828	EFT 10/13/23	ADVANCED ENGINEERING & ENVIRONMENTAL SERVICES 11000182 6010 4284	SERWTP POLYMER SYSTEM UPGRADES	1,100.00	1,100.00
504829	EFT 10/13/23	BARRETT BUSINESS SERVICES, INC 52000650 5280 62000570 5350 62000570 5670	TEMP EMPLOYEES TIME TEMP EMPLOYEES TIME TEMP EMPLOYEES TIME	2,367.00 2,957.80 917.21	6,242.01

JORDAN VALLEY WATER CONSERVANCY DISTRICT

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504830	EFT 10/13/23	BOWEN COLLINS & ASSOCIATES			\$113.50
		11000140 6010 4150	SOUTHEAST COLLECTION LINE COND	56.75	
		11000175 6010 4257	SOUTHEAST COLLECTION LINE COND	56.75	
504831	EFT 10/13/23	BROWN AND CALDWELL CORP.			38,213.86
		11000182 6010 4138	JVWTP SEDIMENTATION BASINS EQUIPMENT	38,213.86	
504832	EFT 10/13/23	CDW GOVERNMENT INC			9,892.30
		90000650 5230	PURCHASE MICROSOFT AZURE PREMIUM P1	8,089.03	
		90071650 5230	PURCHASE MICROSOFT AZURE PREMIUM P1	581.70	
		90072650 5230	PURCHASE MICROSOFT AZURE PREMIUM P1	407.19	
		90073650 5230	PURCHASE MICROSOFT AZURE PREMIUM P1	116.34	
		90077650 5230	PURCHASE MICROSOFT AZURE PREMIUM P1	290.85	
		90078650 5230	PURCHASE MICROSOFT AZURE PREMIUM P1	349.02	
		90101650 5230	PURCHASE MICROSOFT AZURE PREMIUM P1	58.17	
504833	EFT 10/13/23	CHEMTECH-FORD INC			1,477.00
		77000590 5770	WATER QUALITY ANALYSIS	150.01	
		77071590 5770	WATER QUALITY ANALYSIS	855.99	
		77073590 5770	WATER QUALITY ANALYSIS	86.00	
		77075590 5770	WATER QUALITY ANALYSIS	385.00	
504834	EFT 10/13/23	DEL TECHNOLOGIES INC			7,959.45
		72000590 5710	BRIDGING POLYMER - PRAESTOL DW22S	7,959.45	
504835	EFT 10/13/23	FERGUSON ENTERPRISES LLC			4,658.60
		82000570 5380	20-3/4" SETTERS	4,658.60	
504836	EFT 10/13/23	FINLINSON & FINLINSON PLLC			16,565.00
		51000650 5284	PREP 60	16,565.00	
504837	EFT 10/13/23	FIRETROL PROTECTION SYSTEMS			240.00
		83071570 5380	FIRE ALARM SYSTEM REPAIRS AT JVWTP	240.00	
504838	EFT 10/13/23	HANSEN ALLEN & LUCE INC			15,628.00
		11000180 6010 4281	WELL REPAIRS	2,477.25	
		11000184 6010 4320	2023-2024 VAULT IMPROVEMENTS PROJECT	13,150.75	
504839	EFT 10/13/23	HARN RO SYSTEMS INC			24,453.75
		73000590 5710	PO REQUEST FOR SCALE INHIBITOR FISCAL	24,453.75	
504840	EFT 10/13/23	IDEXX LABORATORIES INC			9,225.43
		78000590 5720	MICRO SUPPLIES	9,225.43	
504841	EFT 10/13/23	INDUSTRIAL SUPPLY			272.93
		82000570 5310	4-24" BROOMS, 1- KNEE BOOTS, 2-RAIN PANT	272.93	
504842	EFT 10/13/23	INFINITY CORROSION GROUP INC			20,509.42
		11000186 6010 4271	8-MG & 2-MG STEEL RESERVOIRS P	20,509.42	
504843	EFT 10/13/23	KATHRYN YUOSKA			1,983.38
		62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	1,983.38	
504844	EFT 10/13/23	METRON FARNIER			94.90
		75002570 5380	GASKETS, AND FANGES	94.90	
504845	EFT 10/13/23	MOUNTAINLAND SUPPLY COMPANY			7,492.50
		75002570 5380	SENSUS MXU RADIOS	7,492.50	

JORDAN VALLEY WATER CONSERVANCY DISTRICT

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PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
504846	EFT 10/13/23	NATIONAL TRENCH SAFETY 82000570 5380	5'x10' TRAFFIC PLATES 150 W & 242 W 3300 S	990.04	\$990.04
504847	EFT 10/13/23	PETERSON PLUMBING SUPPLY 75002570 5380	HYDRANT METERS	2,304.22	2,304.22
504848	EFT 10/13/23	PLATT ELECTRIC SUPPLY INC 91000570 5310	PANEL PARTS FOR ZONE D CHEM BLDG	922.57	922.57
504849	EFT 10/13/23	POLYDYNE INC 71000590 5710	CLARIFLOC N-3300 P (PEA)	6,603.30	6,603.30
504850	EFT 10/13/23	QUICK QUACK 83000570 5360	CAR WASH TRIAL FOR FLEET VEHICLES	259.90	259.90
504851	EFT 10/13/23	ROCKY MOUNTAIN VALVES & AUTOMATION 82000570 5380	4-3" COMBINATION AIR VAC FOR DISTRIBUTIC	4,847.60	4,847.60
504852	EFT 10/13/23	STAPLES BUSINESS ADVANTAGE 80000570 5220	OFFICE SUPPLIES	226.55	226.55
504853	EFT 10/13/23	THATCHER COMPANY 71000590 5710 72000590 5710	CHEMICALS FOR JVVWTP - PACL PURCHASE OF CHLORINE FOR THE FISCAL Y	17,684.49 17,684.49	35,368.98
504854	EFT 10/13/23	UNIQUE AUTO BODY 51000000 6210 51000000 6210	REPAIRS TO VEHICLE DAMAGED IN 9/19/23 C REPAIRS TO VEHICLE DAMAGED ON 9/13/202	1,927.95 1,100.57	3,028.52
504855	EFT 10/13/23	UNITED FENCE 51000000 6210	REPAIRS TO DAMAGED FENCE AT 9816 S 130	4,107.00	4,107.00
504856	EFT 10/13/23	UTAH LAKE WATER USERS ASSOCIATION INC 70000510 5810	ULWUA SEPTEMBER 2023 MAINTENANCE	713.94	713.94
504857	EFT 10/13/23	UTAH YAMAS CONTROLS INC 70101570 5380 73073570 5380 75000570 5380 90000650 5230	SECURITY SUPPLIES REPLACEMENT OF 4QTY CAMERAS SECURITY SUPPLIES SECURITY SYSTEM REPAIRS AT THE MAINTEN	5,590.00 11,180.00 5,590.00 784.00	23,144.00
504858	EFT 10/13/23	VANCON INC 11000188 6010 4190 11000182 6010 4070 11000182 6010 4277 11000184 6010 4083 11000184 6010 4199 11000184 6010 4241	3300 S PIPELINE REPLACEMENT JVVWTP AIR SCOUR PIPING JVVWTP BASINS 3-6 UPGRADES AC MITIGATION & MONITORING PROJECT 10200 S 3600 W PUMP STATION 2023 VAULT IMPROVEMENT PROJECT	660,317.92 46.81 125,253.93 350,977.50 63,053.40 25,450.50	1,225,100.06
504859	EFT 10/13/23	VANGUARD CLEANING SYSTEMS OF UTAH 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	7,727.67
504860	EFT 10/13/23	WNA SERVICES CO. 51000650 5170	UTAH NEWS TRACKER READING CHARGE	150.00	150.00

JORDAN VALLEY WATER CONSERVANCY DISTRICT

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504861	EFT 10/13/23	WW GRAINGER			\$387.26
		82000570 5360	FOOD GRADE GREASE FOR FIRE HYDRANTS	286.10	
		80000570 5260	ORANGE SAFETY HARD HATS	101.16	
504862	EFT 10/20/23	ACTION LOCKSMITH			45.00
		81000570 5360	DUPLICATE BEST LOCK KEYS	45.00	
504863	EFT 10/20/23	ADVANCED ENGINEERING & ENVIRONMENTAL SERVICES			39,170.75
		11000184 6010 4199	3600 WEST 10200 SOUTH PUMP STATION	29,358.75	
		11000184 6010 4311	GENERATOR PROJECT PHASE II	9,812.00	
504864	EFT 10/20/23	AMERICAN POWER SYSTEMS			5,118.00
		90072650 5230	SERWTP UPS BATTERY REPLACEMENT NOR	5,118.00	
504865	EFT 10/20/23	BATEMAN MOBIL 1 LUBE EXPRESS			36.00
		81000570 5360	EMISSIONS FOR 704	36.00	
504866	EFT 10/20/23	BARRETT BUSINESS SERVICES, INC			9,754.16
		52000650 5280	TEMP EMPLOYEES TIME	1,972.50	
		62000570 5350	TEMP EMPLOYEES TIME	6,310.10	
		62000570 5670	TEMP EMPLOYEES TIME	1,471.56	
504867	EFT 10/20/23	BLUE STAKES OF UTAH			2,781.00
		82000570 5390	BLUE STAKES OF UTAH	2,781.00	
504868	EFT 10/20/23	BLUE STAR GAS			33.59
		81000570 5340	PROPANE FOR FORK LIFTS	33.59	
504869	EFT 10/20/23	BOBBI BIRD			449.25
		62000570 5670	FLIP YOUR STRIP PAYMENT	449.25	
504870	EFT 10/20/23	BOWEN COLLINS & ASSOCIATES			17,793.75
		11000186 6010 4231	5200 WEST 6200 SOUTH RESERVOIR	17,793.75	
504871	EFT 10/20/23	CAROLLO ENGINEERS INC			104,577.25
		11000182 6010 4289	JVWTP FILTER AND CHEMICAL FEED	104,577.25	
504872	EFT 10/20/23	CDW GOVERNMENT INC			81.89
		90000650 5230	FUJITSU SCANNER CLEANING KIT	81.89	
504873	EFT 10/20/23	CENTRAL UTAH WATER CONSERVANCY DISTRICT			1,182,509.30
		70000510 5810	CUWCD CWP WATER DELIVERIES SEPTEMBER	82,509.30	
504874	EFT 10/20/23	CHEMTECH-FORD INC			8,361.00
		77000590 5770	WATER QUALITY ANALYSIS	4,000.00	
		77071590 5770	WATER QUALITY ANALYSIS	235.00	
		77072590 5770	WATER QUALITY ANALYSIS	235.00	
		77073590 5770	WATER QUALITY ANALYSIS	1,776.00	
		77075590 5770	WATER QUALITY ANALYSIS	2,115.00	
504875	EFT 10/20/23	CINTAS CORPORATION			105.53
		73000590 5260	FIRST AID SUPPLIES	105.53	
504876	EFT 10/20/23	COMFORT SYSTEMS USA			841.00
		81072570 5380	AC REPAIR AT SERWTP	841.00	
504877	EFT 10/20/23	CORE & MAIN			4,830.82
		82000570 5380	FIRE HYDRANT R&R 8443 SOUTH ETIENNE W	4,830.82	

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PAYMENT REGISTER - O&M ACCOUNT

For the Period October 01, 2023 Through October 31, 2023

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
504878	EFT 10/20/23	CPI INTERNATIONAL INC 78000590 5720	LAB STANDARDS	329.95	\$329.95
504879	EFT 10/20/23	EA ENGINEERING SCIENCE & TECHNOLOGY INC 77073590 5770	3RD QUARTER GSL DISCHARGE SURVEY	1,000.00	1,000.00
504880	EFT 10/20/23	ERIKS NORTH AMERICA 81000570 5330 81000570 5380	1-1/2 MALE CAM LOCK FITTING, 1-1/2 BUSHIN HOSE FITTINGS AND SILICONE HOSE FOR 11	24.96 99.55	124.51
504881	EFT 10/20/23	EXPRESS AUTO GLASS INC 81000570 5330	WINDSHIELD REPLACEMENT	199.00	199.00
504882	EFT 10/20/23	FERGUSON ENTERPRISES LLC 77000590 5750	WATER QUALITY FIELD EQUIPMENT	446.00	446.00
504883	EFT 10/20/23	FOLIAGE, INC 51000650 5350	PLANT SERVICES	420.00	420.00
504884	EFT 10/20/23	GABE ALLEN 80000570 5290	CDL DRIVERS LICENSE FEES	52.00	52.00
504885	EFT 10/20/23	GE DIGITAL LLC 90000650 5230	PURCHASE ADDITIONAL HISTORIAN SOFTWARE	6,397.61	6,397.61
504886	EFT 10/20/23	HANSEN ALLEN & LUCE INC 11000184 6010 4241 11000184 6010 4320 11000188 6010 4204	2022-23 VAULT IMPROVEMENT PROJ 2023-2024 VAULT IMPROVEMENTS PROJECT ZONE D CHEMICAL FEED FACILITY	9,788.25 20,687.99 6,783.40	37,259.64
504887	EFT 10/20/23	HARRINGTON INDUSTRIAL PLASTICS LLC 75000570 5380 75000570 5380	2"PVC CAPS AND PVC GLUE MISC. PVC FITTINGS FOR CHLORINATORS	64.36 13.05	77.41
504888	EFT 10/20/23	INTERNATIONAL DIOXIDE INC 71000590 5710	CHEMICALS FOR JWWT - SODIUM CHLORITE	30,982.62	30,982.62
504889	EFT 10/20/23	IVORY HOMES 62000570 5670	LOCALSCAPES HOMEBUILDER REWARDS	76,571.57	76,571.57
504890	EFT 10/20/23	JANA NOVAKOVA 62000570 5670	FLIP YOUR STRIP PAYMENT	393.75	393.75
504891	EFT 10/20/23	JOHN & JAMIE CHRISTENSEN LIVING TRUST 62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	2,179.20	2,179.20
504892	EFT 10/20/23	JONATHON HORTON 62000570 5670	LOCALSCAPES REWARDS PROGRAM PAYME	2,189.38	2,189.38
504893	EFT 10/20/23	MARCUS G FAUST PC 51000650 5284	PROFESSIONAL CONSULTING SERVICES	3,000.00	3,000.00
504894	EFT 10/20/23	MELANIE BREUR REVOCABLE TRUST 62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	1,186.80	1,186.80
504895	EFT 10/20/23	MOUNTAINLAND SUPPLY COMPANY 75002570 5380	COMPOSITE BOXES	4,387.14	4,387.14

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PAYMENT REGISTER - O&M ACCOUNT

For the Period October 01, 2023 Through October 31, 2023

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
504896	EFT 10/20/23	MOWER MEDIC 81000570 5330	CHAIN ADJUSTMENT KIT, FOR CHAIN SAW	19.99	\$19.99
504897	EFT 10/20/23	MURRAY CITY CORPORATION 82000570 5380	MURRAY CITY EXCAVATION PERMITS SERVIC	450.00	450.00
504898	EFT 10/20/23	OLYMPUS SAFETY & SUPPLY LLC 80000570 5260	NITRILE GLOVES	315.00	315.00
504899	EFT 10/20/23	PLATT ELECTRIC SUPPLY INC 81073570 5380	BALAST FOR LIGHT AT SWGWTP	23.67	23.67
504900	EFT 10/20/23	RALPH L WADSWORTH 11000186 6010 4231	5200 WEST 6200 SOUTH RESERVOIR	492,399.21	492,399.21
504901	EFT 10/20/23	ROYAL WHOLESALE ELECTRIC 91000570 5310 11000188 6010 4204	FIBER SWITCHES FOR 36&102 AND ZONE D C ZONE "D" CHEMICAL FEED FACILITY	4,238.46 9,382.68	13,621.14
504902	EFT 10/20/23	SMITH & EDWARDS 80000570 5260	SAFETY BOOTS FOR NEW HIRE	159.95	159.95
504903	EFT 10/20/23	SUNRISE ENGINEERING, INC 11000186 6010 4198	RESERVOIR CHLORINE BOOSTERS	2,196.00	2,196.00
504904	EFT 10/20/23	THATCHER COMPANY 71000590 5710	CHEMICALS FOR JVWTP - PACL	9,368.50	9,368.50
504905	EFT 10/20/23	THE DATA CENTER 60000650 5250	OCTOBER 2023 BILLING	1,845.56	1,845.56
504906	EFT 10/20/23	TIRE WORLD 81000570 5330 81000570 5330	TIRES FOR GOLF CART TIRES, FRONT END ALIGNMENT.	278.24 1,105.89	1,384.13
504907	EFT 10/20/23	TODD SMITH 62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	2,094.38	2,094.38
504908	EFT 10/20/23	UTAH YAMAS CONTROLS INC 11000160 6010 4014	OLD BINGHAM HWY EQUIPMENT STORAGE B	20,432.00	20,432.00
504909	EFT 10/20/23	VANCON INC 11000184 6010 4241	2023 VAULT IMPROVEMENT PROJECT	261,872.25	261,872.25
504910	EFT 10/20/23	WHEELER 81000570 5530	1 YEAR LEASE FOR MINI HYDRAULIC EXCAV/	8,500.00	8,500.00
504911	EFT 10/20/23	WW GRAINGER 77000590 5750 80000570 5220 81000570 5380 81072570 5380	WATER QUALITY FIELD EQUIPMENT BATTERIES HVAC PARTS ALBION, FAN SERWTP, ROOF F/ HVAC PARTS ALBION, FAN SERWTP, ROOF F/	176.98 154.99 516.24 171.34	1,019.55
504912	EFT 10/27/23	AIRGAS USA, LLC 81000570 5360	ACETYLENE TANK REFILL (BTANK)	24.11	24.11
504913	EFT 10/27/23	APRIL GUNDERSEN 62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	470.00	470.00

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PAYMENT REGISTER - O&M ACCOUNT

For the Period October 01, 2023 Through October 31, 2023

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
504914	EFT 10/27/23	BARRETT BUSINESS SERVICES, INC			\$5,739.68
		52000650 5280	TEMP EMPLOYEES TIME	2,613.56	
		62000570 5350	TEMP EMPLOYEES TIME	2,179.32	
		62000570 5670	TEMP EMPLOYEES TIME	946.80	
504915	EFT 10/27/23	BIZWEAR			7,697.25
		70000590 5170	OPERATIONS UNIFORM ORDERS	236.47	
		71000590 5170	OPERATIONS UNIFORM ORDERS	1,490.76	
		72000590 5170	OPERATIONS UNIFORM ORDERS	231.98	
		73000590 5170	OPERATIONS UNIFORM ORDERS	521.98	
		75000590 5170	OPERATIONS UNIFORM ORDERS	3,140.97	
		77000590 5170	OPERATIONS UNIFORM ORDERS	806.98	
		78000590 5170	OPERATIONS UNIFORM ORDERS	1,268.11	
504916	EFT 10/27/23	BLOOM GARDENS, LLC			150.00
		62000570 5270	CGP FULL PAGE AD	150.00	
504917	EFT 10/27/23	BRITTANY ALLEN			663.00
		62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	663.00	
504918	EFT 10/27/23	BUCHANAN ACCESS SYSTEMS LLC			398.00
		81073570 5380	DIAGNOSE GATE AT RO PLANT	398.00	
504919	EFT 10/27/23	CARENOW			1,255.00
		51000650 5170	DOT, PHYSICAL, RANDOM & NEW HIRE DRUG	1,255.00	
504920	EFT 10/27/23	CENTURYLINK / LUMEN			1,836.70
		90000650 5230	VARIOUS LOCATIONS	485.57	
		90071650 5230	VARIOUS LOCATIONS	485.57	
		90072650 5230	VARIOUS LOCATIONS	432.68	
		90101650 5230	VARIOUS LOCATIONS	432.88	
504921	EFT 10/27/23	CHEMTECH-FORD INC			1,756.00
		77000590 5770	WATER QUALITY ANALYSIS	150.03	
		77071590 5770	WATER QUALITY ANALYSIS	184.99	
		77073590 5770	WATER QUALITY ANALYSIS	172.01	
		77075590 5770	WATER QUALITY ANALYSIS	1,248.97	
504922	EFT 10/27/23	CHEMTRAC			153.00
		91071570 5310	FLUSH VALVE FOR WATER WEIR	153.00	
504923	EFT 10/27/23	CHERON BRADFIELD			6,755.28
		62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	6,755.28	
504924	EFT 10/27/23	CINTAS CORPORATION			397.39
		51000650 5260	FIRST AID CABINET SUPPLIES	397.39	
504925	EFT 10/27/23	CODALE ELECTRIC SUPPLY INC			2,411.70
		82101570 5380	20'- 1 1/4" CONDUIT FOR CATHODIC TEST HE	174.57	
		51000000 6210	POWER PEDESTAL DAMAGED BY CITIZEN ON	2,237.13	
504926	EFT 10/27/23	DAYLAN DARBY			1,514.53
		62000570 5670	LOCALSCAPES REWARDS PROGRAM PAYME	1,514.53	
504927	EFT 10/27/23	DOUGLAS & TAULANA SULLIVAN TRUST			15,683.40
		62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	15,683.40	

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PAYMENT REGISTER - O&M ACCOUNT

For the Period October 01, 2023 Through October 31, 2023

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
504928	EFT 10/27/23	FERGUSON ENTERPRISES LLC			\$3,002.96
		82000570 5310	MARKING PAINT	2,010.24	
		75001570 5380	GASKETS	82.72	
		81071570 5380	VICTOLIC GASKET FOR FILTER 5	910.00	
504929	EFT 10/27/23	HACH COMPANY			1,445.32
		91073570 5310	CONDUCTIVITY SENSOR	1,445.32	
504930	EFT 10/27/23	HANSEN FAMILY REVOCABLE LIVING TRUST			356.25
		62000570 5670	FLIP YOUR STRIP PAYMENT	356.25	
504931	EFT 10/27/23	HARRINGTON INDUSTRIAL PLASTICS LLC			344.92
		81071570 5380	BAL VALVES AND CHECK VALVES JWVTP	344.92	
504932	EFT 10/27/23	JOHN BRAUN			10,638.51
		62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	10,638.51	
504933	EFT 10/27/23	KILGORE COMPANIES, LLC			2,314.59
		82000570 5380	ASPHALT, CONCRETE, SPOILS & FILL	2,314.59	
504934	EFT 10/27/23	LADONNA HICKMAN			1,352.80
		62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	1,352.80	
504935	EFT 10/27/23	LARRY & CINDY THOMAS TRUST			1,056.00
		62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	1,056.00	
504936	EFT 10/27/23	LES OLSON COMPANY			4,277.40
		90000650 5230	PRINTING QT MAINTENANCE	3,768.66	
		90071650 5230	PRINTING QT MAINTENANCE	436.24	
		90072650 5230	PRINTING QT MAINTENANCE	56.74	
		90073650 5230	PRINTING QT MAINTENANCE	15.10	
		90078650 5230	PRINTING QT MAINTENANCE	0.66	
504937	EFT 10/27/23	LINDSAY HICKOK			1,728.00
		62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	1,728.00	
504938	EFT 10/27/23	MOUNTAINLAND SUPPLY COMPANY			1,108.48
		75001570 5380	CASTO COLLECTOR BATTERIES	1,108.48	
504939	EFT 10/27/23	MURRAY CITY CORPORATION			40.88
		75309590 5410	3350 E 4500 S	40.88	
504940	EFT 10/27/23	PLATT ELECTRIC SUPPLY INC			166.58
		81071570 5360	BULBS FOR THE PARKING LOT LIGHTS JWVT	166.58	
504941	EFT 10/27/23	PROFESSIONAL PEST CONTROL LLC			620.00
		83000570 5350	PEST CONTROL FOR THE MONTH OF SEPTEI	270.00	
		83071570 5350	PEST CONTROL FOR THE MONTH OF SEPTEI	200.00	
		83072570 5350	PEST CONTROL FOR THE MONTH OF SEPTEI	100.00	
		83073570 5350	PEST CONTROL FOR THE MONTH OF SEPTEI	50.00	
504942	EFT 10/27/23	REBECCA PARKER			3,049.60
		62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	3,049.60	
504943	EFT 10/27/23	ROYAL WHOLESALE ELECTRIC			482.86
		91000570 5310	FIBER SWITCHES FOR 36&102 AND ZONE D C	482.86	

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PAYMENT REGISTER - O&M ACCOUNT

For the Period October 01, 2023 Through October 31, 2023

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
504944	EFT 10/27/23	STAPLES BUSINESS ADVANTAGE			\$1,372.11
		51000650 5220	OFFICE SUPPLIES	963.58	
		71000590 5220	OFFICE SUPPLIES	26.16	
		78000590 5720	OFFICE SUPPLIES	119.29	
		80000570 5220	OFFICE SUPPLIES	263.08	
504945	EFT 10/27/23	STEVE REGAN COMPANY			1,164.16
		83000570 5350	BROMACIL HERBICIDE	1,164.16	
504946	EFT 10/27/23	TANNER PALMER			300.00
		77000590 5290	CROSS CONNECTION CERTIFICATION	300.00	
504947	EFT 10/27/23	THATCHER COMPANY			7,166.22
		75000590 5710	FLUORIDE FOR DISTRIBUTION SYSTEM.	7,166.22	
504948	EFT 10/27/23	UNITED FENCE			96.00
		83000570 5350	VINYL PRIVACY SLATS FOR FENCE AT 13400 :	96.00	
504949	EFT 10/27/23	WATERFORD SERVICES, LLC			1,492.99
		81072570 5360	REBUILD KITS FOR GRUNDFOS PUMPS	1,492.99	
504950	EFT 10/27/23	WAXIE SANITARY SUPPLY			921.80
		83000570 5350	HAND SOAP FOR THE SOAP DISPENSERS	921.80	
504951	EFT 10/27/23	WEST WIND LITHO			254.00
		60000650 5270	WATER SERVICE NOTICE DOOR HANGERS - I	254.00	
504952	EFT 10/27/23	WINMARK STAMP & SIGN INC			100.55
		83000570 5350	OFFICE NAME PLATES	100.55	
504953	EFT 10/27/23	WW GRAINGER			719.14
		81072570 5380	B-POLY PUMP MOTOR	719.14	
REPORT TOTAL:					<u><u>\$7,989,518.16</u></u>

JORDAN VALLEY WATER CONSERVANCY DISTRICT

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

For the Period October 01, 2023 Through October 31, 2023

PAYMENT DATE	PAYMENT TYPE	VENDOR NAME	DESCRIPTION	PAYMENT AMOUNT
10/3/2023	ACH	EMPLOYEES	EMPLOYEE RECOGNITION / SAFETY	4,336.69
10/5/2023	ACH	EMPLOYEE	EMPLOYEE DIRECT DEPOSITS	387,667.33
10/5/2023	ACH	IRS	FEDERAL & MEDICARE TAXES	60,063.74
10/5/2023	ACH	URS	STATE RETIREMENT	96,106.49
10/5/2023	ACH	HEALTHQUITY	EMPLOYEE H.S.A. CONTRIBUTIONS	13,889.58
10/5/2023	ACH	CIGNA HEALTHCARE	EMPLOYEE DENTAL & LIFE INS	18,082.10
10/5/2023	ACH	FIDELITY	SUB SOCIAL SECURITY CONTRIB.	59,743.01
10/9/2023	ACH	EMPLOYEES	TERMINATED EMPLOYEE CASHOUT	600.14
10/10/2023	ACH	EMPLOYEES	EMPLOYEE RECOGNITION / SAFETY	829.79
10/13/2023	ACH	EMPLOYEES	EMPLOYEE RECOGNITION / SAFETY	215.82
10/17/2023	ACH	EMPLOYEES	EMPLOYEE RECOGNITION / SAFETY	2,037.37
10/19/2023	ACH	EMPLOYEES	EMPLOYEE RECOGNITION / SAFETY	591.30
10/20/2023	ACH	EMPLOYEE	EMPLOYEE DIRECT DEPOSITS	376,983.67
10/20/2023	ACH	IRS	FEDERAL & MEDICARE TAXES	59,204.01
10/20/2023	ACH	URS	STATE RETIREMENT	94,321.60
10/20/2023	ACH	HEALTHQUITY	EMPLOYEE H.S.A. CONTRIBUTIONS	13,479.58
10/20/2023	ACH	CIGNA HEALTHCARE	EMPLOYEE DENTAL & LIFE INS	18,097.99
10/20/2023	ACH	FIDELITY	SUB SOCIAL SECURITY CONTRIB.	58,232.83
10/24/2023	ACH	EMPLOYEES	EMPLOYEE RECOGNITION / SAFETY	1,226.21
10/25/2023	ACH	EMPLOYEES	TERMINATED EMPLOYEE CASHOUT	5,111.66
10/31/2023	ACH	EMPLOYEES	EMPLOYEE RECOGNITION / SAFETY	1,421.56
REPORT TOTAL:				\$ 1,272,242.47

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PURCHASE CARD TRANSACTIONS

For the Period 10/1/2023 Through 10/31/2023

DATE	CARD HOLDER	VENDOR NAME	DESCRIPTION	GL	AMOUNT
10/2/2023	KYLE CHAPMAN	SP VB INDUSTRIAL SUP	PARTS FOR P2 AT 5700 W 10200 S STARTER	91000570 5310	63.99
10/2/2023	JACKIE BUHLER	AMZN MKTP US*T17RW2W00	HEATER FOR SAM	51000650 5220	27.89
10/2/2023	KYLE CHAPMAN	AMZN MKTP US*T94T76Q72	FIBER SWITCH FOR DUNSNANE METER STATION	91000570 5310	49.00
10/2/2023	TERESA ATKINSON	FACEBK 3L7GGT7NJ2	FACEBOOK - META - LOCALSCAPES ADS REF#3L7GGT7NJ2 \$10.05	62000570 5270	10.05
10/2/2023	CORY COLLINS	SCHMIDT S FARM	FALL DISPLAY ITEMS	62000570 5350	98.40
10/2/2023	BRYAN SMITH	OFFICE DEPOT #2645	72 PENCIL PACK FOR TOURS	72000590 5220	5.99
10/2/2023	HAYDEN COZIAR	THE HOME DEPOT #4402	BOARDS AND SCREWS TO MAKE BOX AROUND NEW POWER POLE AT UPPER CASTO	83000570 5350	76.09
10/2/2023	SHANE SWENSEN	THE HOME DEPOT #4410	CONSTRUCTION MATERIALS FOR PLATE SETTLER WALKWAY	52000650 5170	226.34
10/2/2023	ALISHA KIMMERLE	THE HOME DEPOT #8566	MISC EQUIPMENT NEEDS	77000590 5750	173.78
10/3/2023	TERESA ATKINSON	DNH*GODADDY.COM	GODADDY -SSL RENEWAL 1 YEAR \$249.99	90000650 5230	249.99
10/4/2023	BEVERLY PARRY	COLORADO RIVER WATER U	CRWUA CONFERENCE REGISTRATION - COREY RUSHTON	51000660 5290	550.00
10/4/2023	BEVERLY PARRY	COLORADO RIVER WATER U	CRWUA CONFERENCE REGISTRATION - WADE TUFT	70000590 5290	550.00
10/4/2023	JORDAN TOMSIC	THE HOME DEPOT #8566	CONDUIT AND PARTS FOR VAL AND THE RIVERTON FLOW METER UPS UPDATE	91000570 5310	139.88
10/4/2023	JOSHUA SHREWSBURY	IN *RURAL WATER ASSOCIATI	CRAM FOR THE EXAM - ERIC DAVIS	72000590 5290	250.00
10/4/2023	SHAUN MOSER	AMZN MKTP US*T93985SY0	SECURITY CABLES FOR PATIO FURNITURE	62000570 5350	62.06
10/4/2023	LISA KASTELER	AMZN MKTP US*TE0RW7FE2	COAT RACK FOR MIKE BRINTON'S OFFICE	80000570 5220	25.48
10/4/2023	TIMOTHY RAINBOLT	SMITHS MRKTPL #4495	MYLER AWARDS 100323	11000200 2290	100.00
10/4/2023	TIMOTHY RAINBOLT	SMITHS MRKTPL #4495	CLEGG AWARDS 100323	11000200 2290	1,000.00
10/5/2023	LAINA MCGINTY	AMAZON.COM*T98FH5061	25 YEARS SERVICE AWARD FOR JASON BROWN	51000650 5170	649.98
10/5/2023	BRYAN SMITH	AMZN MKTP US*T95SQ4U10	RECESSED LIGHTING SPRING CLIPS	72072570 5350	7.59
10/5/2023	BEVERLY PARRY	DELTA 0062178339409	CRWUA CONFERENCE AIRFARE - REED GIBBY	51000660 5290	287.80
10/5/2023	JEFFREY BETTON	TARGET 00017525	SNACKS FOR DISTRICT WIDE SAFETY/SECURITY MEETING (CYBER SECURITY) ON 10/5/23	51000650 5260	32.44
10/5/2023	JORDAN TOMSIC	ALLRED'S INC	VFD FILTERS FOR THE VFD AT OLD BINGHAM PUMP STATION	91000570 5310	84.41
10/5/2023	MINDY KEELING	1105 MEDIA INC	LIVE 360 CONFERENCE REGISTRATION - DAVID GREGORY	90000650 5290	2,625.00
10/5/2023	ALISHA KIMMERLE	INTERMOUNTAIN SECTION AWW	AWWA MIDYEAR CONFERENCE PAUL MATTINSON	78000590 5290	180.00
10/5/2023	BRYAN SMITH	THE HOME DEPOT #4409	LIGHT BULB	72072570 5350	16.97

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PURCHASE CARD TRANSACTIONS

For the Period 10/1/2023 Through 10/31/2023

DATE	CARD HOLDER	VENDOR NAME	DESCRIPTION	GL	AMOUNT
10/5/2023	ALLEN CURTIS	ACE HDW AT HIDDEN VALLEY	BOLTS TO REPAIR FLOOR SCRUBBER	81072570 5380	5.38
10/6/2023	BEVERLY PARRY	COLORADO RIVER WATER U	CRWUA CONFERENCE REGISTRATION - REED GIBBY	51000660 5290	550.00
10/6/2023	MICHAEL BROWN	THE HOME DEPOT 4410	PARTS FOR WIRING THE NEW SHED	83000570 5350	346.53
10/6/2023	TROY TUCKER	THE HOME DEPOT #4410	EMPLOYEE TOOLS	82000570 5310	69.68
10/6/2023	KYLE CHAPMAN	PIE PIZZERIA SOUTH JOR	DEPARTMENT LUNCHEON	90000650 5170	127.26
10/6/2023	EPIMENIO TRUJILLO	AMZN MKTP US*TE5PK&JJ2	DOOR LATCH FOR # 741	81000570 5330	39.89
10/6/2023	LAINA MCGINTY	SP DIXON FLANNEL CO	1 YEAR SERVICE AWARD FOR SHAY GREEN	51000650 5170	98.40
10/9/2023	TERESA ATKINSON	MICROSOFT#G029967583	AZURE SEPTEMBER 2023 G029967583 \$908.32	90000650 5230	908.32
10/9/2023	BRIAN CALLISTER	TST* MOOCHIES - MIDVALE	LUNCHEON MEETING RECOGNITION	80000570 5170	53.82
10/9/2023	BEVERLY PARRY	CHAMBERWEST	CHAMBERWEST PROFESSIONAL DEVELOPMENT SERIES - ALAN PACKARD	51000650 5290	25.00
10/9/2023	MICHAEL BROWN	THE HOME DEPOT #4410	PARTS TO WIRE THE SHED ON CAMPUS	83000570 5350	25.40
10/9/2023	BEVERLY PARRY	COLORADO RIVER WATER U	CRWUA REGISTRATION - ALAN PACKARD	51000650 5290	550.00
10/9/2023	BEVERLY PARRY	COLORADO RIVER WATER U	CRWUA REGISTRATION - SHERRIE OHRN	51000660 5290	550.00
10/10/2023	JORDAN TOMSIC	PLATT ELECTRIC 064	BOLT IN BREAKER AND PARTS FOR THE NEW WASHDOWN PUMP AT 98TH &23RD	91000570 5310	305.03
10/10/2023	CORY COLLINS	LOWES #01613*	FALL MUMS FOR NEW ADMIN POTS	62000570 5350	22.00
10/10/2023	SHANE SWENSEN	SANDY COMMUNITY DEVELOPME	SANDY CITY PLAN REVIEW FOR 7618 S 700 E WELL SITE	11000180 6010	4,348.25
10/10/2023	TIMOTHY RAINBOLT	SMITHS MRKTPL #4495	NORDGREN AWARDS 100623	11000200 2290	100.00
10/10/2023	LAINA MCGINTY	SMITHS MRKTPL #4495	BOARD MEETING REFRESHMENTS	51000660 5220	101.39
10/10/2023	SHAUN MOSER	SQ *ROCK N YARD LANDSCAPE	GRAVEL FOR ADMIN PROJECT	62000570 5350	521.00
10/10/2023	LAINA MCGINTY	FSP*UTAH CELEBRATIONS CAT	2023 HOLIDAY LUNCHEON FOOD DEPOSIT	51000650 5170	2,206.62
10/11/2023	DANIEL CLAYPOOL	MCNICHOLS COMPANY	ALUMINUM FLOOR GRATING FOR RECLAIM	81071570 5380	711.70
10/11/2023	CORY COLLINS	SCHMIDT S FARM	CORN STALKES AND GOURDS	62000570 5350	28.50
10/11/2023	KYLE CHAPMAN	INTERMOUNTAIN FUSE SUPPL	REPLACEMENT FUSES FOR SOUTH EAST B POLY PUMPS	91072570 5310	69.42
10/11/2023	TERESA ATKINSON	AMZN MKTP US*TE4028I22	AMAZON ORDER #112-7757643-5708204 DAVID GREGORY - ZEBRA PRINTHEAD \$26.88	90000650 5230	26.88
10/11/2023	LISA KASTELER	IKEA 444227555	CHAIRS FOR MAINTENANCE BUILDING FOYER	80000570 5220	1,196.61
10/11/2023	LAINA MCGINTY	VILLAGE BAKER INC	BOARD MEETING REFRESHMENTS	51000660 5220	242.45
10/11/2023	BRADLEY BOREN	COSTCO WHSE #1019	SHELVING FOR NEW SHED, DRINKS FOR TRAINING AND JANITORIAL SUPPLIES	83000570 5350	807.24

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PURCHASE CARD TRANSACTIONS

For the Period 10/1/2023 Through 10/31/2023

DATE	CARD HOLDER	VENDOR NAME	DESCRIPTION	GL	AMOUNT
10/12/2023	BRADLEY BOREN	SQ *ISABELLAS CATERING	LUNCH CATERING FOR IMPACT UTAH TRAINING FOR MAINTENANCE DEPT LEADERSHIP	80000570 5290	648.92
10/12/2023	JEFFREY SMALL	THE HOME DEPOT #4421	EXTENTION CORDS	75000570 5380	119.88
10/12/2023	MICHAEL LORENC	THE HOME DEPOT #4410	SUPPLIES FOR HALLOWEEN DECOR	62000570 5350	40.09
10/12/2023	TERESA ATKINSON	AMZN MKTP US*TE7WP7EQ1	AMAZON ORDER #112-8594583-6059454 DAVID GREGORY - PRINTER CLEANING PENS \$16.99	90000650 5230	16.99
10/12/2023	BEVERLY PARRY	AMERICAN WATER WORKS ASSO	AWWA ANNUAL DUES	51000650 5170	2,478.00
10/13/2023	BRADLEY BOREN	BEEHIVE PLUMBING	DRAIN CLOG REMOVAL IN THE DISTRIBUTION BUILDING	83000570 5350	540.00
10/13/2023	ALISHA KIMMERLE	AMAZON.COM*TE9BJ45K1	FIELD EQUIPMENT SUPPLIES	77000590 5750	26.82
10/13/2023	BRYAN SMITH	AMZN MKTP US*TP2C53JW0	(2) HOSE HANGERS FOR ACTIFLO BUILDING	72072570 5350	168.00
10/13/2023	BRYAN SMITH	AMZN MKTP US*TP7O853U2	DIGITAL CYCLE TIMER FOR LITTLE PUMP	72000590 5310	14.99
10/13/2023	BEVERLY PARRY	CHAMBERWEST	CHAMBERWEST PROFESSIONAL DEVELOPMENT SERIES - 8 ATTENDEES	51000650 5170	200.00
10/13/2023	SHAUN MOSER	SQ *CONCRETEDECO	CONCRETE PAVERS FOR ADMIN	62000570 5350	928.00
10/16/2023	BRADLEY BOREN	AMZN MKTP US*TE22V96V1	PEG BOARD HOOKS FOR SHED	83000570 5350	23.99
10/16/2023	BRADLEY BOREN	AMZN MKTP US*TE4JM5SK1	SHOVEL AND BROOM HOOKS FOR TRUCK 745	83000570 5350	75.16
10/16/2023	DAVID HYDE	AMZN MKTP US*TP6P22G60	SENSOR WIREING PLUG FOR 713	81000570 5360	36.99
10/16/2023	LISA KASTELER	IN *LOUMIS CDL TESTING	CDL DRIVERS TEST FOR CHASE PENDLETON & AYDEN HAMILTON	80000570 5290	516.00
10/16/2023	BEVERLY PARRY	VILLAGE BAKER INC	STRATEGIC PLANNING MEETING LUNCH	51000650 5170	105.29
10/16/2023	BRYAN SMITH	THE HOME DEPOT #4409	FINE FINISH SAW BLADE TO CUT SHELVES	72000590 5310	19.97
10/17/2023	SHAUN MOSER	WWW.ECOLANDSCAPING.ORG	SHAUN M. TRAINING- RESILIENT LANDSCAPE WEBINAR	62000570 5290	10.00
10/17/2023	ALISHA KIMMERLE	AMERICAN WATER WORKS ASSO	AWWA MEMBERSHIP RENEWAL JEFF KING	70000590 5290	263.00
10/17/2023	EPIMENIO TRUJILLO	AMZN MKTP US*TP1QA2AL1	STROBE LIGHT FOR TRUCK	81000570 5330	55.89
10/17/2023	LAINA MCGINTY	YOURMEMBERSHIP	AWWA CAREER CENTER/CONSERVATION	51000650 5170	299.00
10/18/2023	BRYAN SMITH	AMAZON.COM*TP4JJ7GI1	DIGITAL CYCLE TIMER FOR SMALL PUMP	72000590 5310	14.98
10/18/2023	BEVERLY PARRY	PARIS LV ROOM RESRVATION	CRWUA HOTEL FIRST NIGHT DEPOSIT REFUND-SHERRIE OHRN	51000660 5290	-146.26
10/18/2023	MICHAEL BROWN	THE HOME DEPOT 4409	BROOMS AND SQUEEGES FOR CLEANING RESERVOIRS	83000570 5350	487.61
10/18/2023	SHAUN MOSER	THE HOME DEPOT #4410	PAVER SAND FOR ADMIN PROJECT	62000570 5350	197.28
10/19/2023	TERESA ATKINSON	FIGMA MONTHLY RENEWAL	FIGMA SOFTWARE OCT 18 2023 TO NOV 18 2023 \$42.91	60000650 5270	42.91
10/19/2023	KYLE CHAPMAN	AMZN MKTP US*TP1C03RI2	INSTRUMENT PUMP FOR 23RD & 98TH RES	11000186 6010	828.00

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PURCHASE CARD TRANSACTIONS

For the Period 10/1/2023 Through 10/31/2023

DATE	CARD HOLDER	VENDOR NAME	DESCRIPTION	GL	AMOUNT
10/19/2023	JACKIE BUHLER	AMZN MKTP US*TP3LS8631	HALLOWEEN DECORATIONS FOR LUNCHEON	51000650 5220	16.98
10/19/2023	LAINA MCGINTY	AMZN MKTP US*TP9MX9BE1	WELLNESS PROGRAM/ROPING SUPPLIES	51000650 5130	53.99
10/19/2023	TERESA ATKINSON	GITHUB, INC.	GITHUB - TRANS ID# ch_3O2dCQJFr6CCHwli0qgd8sMf ANNUAL \$264.00	90000650 5230	264.00
10/20/2023	TERESA ATKINSON	AMAZON.COM*TP20546A1	AMAZON ORDER #112-6437334-6866646 DAVID GREGORY - GAMING MONITORS FOR JOSH \$599.98	90000650 5230	599.98
10/20/2023	JACKIE BUHLER	AMZN MKTP US*TD18Q8O52	HALLOWEEN DECORATIONS, AND PRODUCT BOUGHT BY MISTAKE	51000650 5220	34.97
10/20/2023	LAINA MCGINTY	AMZN MKTP US*TP9448DH1	WELLNESS PROGRAM/ROPING SUPPLIES	51000650 5130	43.48
10/20/2023	JEREMY TOONE	JENSON LUMBER SERVICE 134	WOOD FOR THE RECLAIM POND	71071570 5350	25.31
10/20/2023	LAINA MCGINTY	TIRE WORLD TRUCK CENTER	15 YEARS SERVICE AWARD FOR LISA KASTELEK	51000650 5170	350.00
10/20/2023	HAYDEN COZIAR	THE HOME DEPOT #4410	HOSE CLAMPS, PITCH FORK, EXTENTION CORD AND SHEET OF PLYWOOD	83000570 5350	110.81
10/20/2023	SHAUN MOSER	THE HOME DEPOT #4410	LEVEL TOOL	62000570 5350	35.97
10/20/2023	SHAUN MOSER	THE HOME DEPOT #4410	PAVER SAND FOR ADMIN	62000570 5350	197.20
10/23/2023	JACKIE BUHLER	AMZN MKTP US*TP4QR1I91	HALLOWEEN PHOTO BACK DROP	51000650 5220	52.99
10/23/2023	LISA KASTELEK	IKEA 444227555	CREDIT FOR TAX CHARGED ON OFFICE CHAIRS	80000570 5220	-79.61
10/23/2023	JACKIE BUHLER	PB LEASING	PAYING INVOICE #3318167709 FOR MAIL MACHINE LEASE	51000650 5250	423.09
10/23/2023	JACKIE BUHLER	PITNEY BOWES PI	PAYING INVOICE #1023832780 SERVICE AGREEMENT	51000650 5250	248.68
10/23/2023	TERESA ATKINSON	SLACK T059T8B0VKJ	SLACK-2507949 9-21-23 TO OCT-20-23 \$17.50	60000650 5270	17.50
10/24/2023	JACKIE BUHLER	UPS*BILLING CENTER	PAYMENT FOR INVOICE #0000A3278X423	51000650 5250	15.02
10/24/2023	EPIMENIO TRUJILLO	MOTION INDUSTRIES UT01	CARRIER BEARING FOR THE R.O. HEATER	81073570 5380	20.21
10/24/2023	LAINA MCGINTY	SMITHS MRKTPL #4495	2023 FLU SHOTS CLINIC REFRESHMENTS	51000650 5170	34.97
10/24/2023	ALISHA KIMMERLE	WM SUPERCENTER #3620	LEADERSHIP TOUR DRINKS	70000590 5170	30.52
10/25/2023	MINDY KEELING	UTAH CORPORATIONS RENE	UTAH DIV. OF CORPORATIONS RENEWAL FOR GARDEN FOUNDATION	51000650 5284	20.00
10/25/2023	KYLE CHAPMAN	LOWES #01133*	ETHERNET MATTERIALS FOR THE MAP ROOM FACE PLATE REPAIR IN BUILDING B	91000570 5310	14.60
10/25/2023	SHAUN MOSER	AMAZON.COM*BE76F0WH3	SLIPPERY WHEN WET SIGN	62000570 5350	40.52
10/25/2023	LISA KASTELEK	AMZN MKTP US*7O8LB42H3	TWO CORK BOARDS FOR MAINT BLDG (ANNOUNCEMENT BOARDS)	80000570 5220	128.38
10/25/2023	SHAUN MOSER	AMZN MKTP US*O79CA77G3	DO NOT ENTER SAFETY SIGNS	62000570 5350	125.82
10/25/2023	FUAVAI ETEAKI	ENTERPRISE RENT-A-CAR	15 PASSANGER VAN FOR STLP TOUR	51005650 5290	205.21
10/25/2023	GORDON BATT	CHEVRON 0356658	ICE FOR LEADERSHIP TOUR DRINKS	70000590 5170	8.22

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PURCHASE CARD TRANSACTIONS

For the Period 10/1/2023 Through 10/31/2023

DATE	CARD HOLDER	VENDOR NAME	DESCRIPTION	GL	AMOUNT
10/26/2023	MICHAEL LORENC	GLOVER NURSERY INC	FROST COVERS FOR PLANTS	62000570 5350	71.95
10/26/2023	BRYAN SMITH	AMZN MKTP US*ZN65028P3	PUSH PINS AND CLIPS FOR 4-WHEELER	72000590 5310	21.74
10/27/2023	CASEY CANNON	AMZN MKTP US*839SE2TK3	CONES	75000590 5260	290.40
10/27/2023	LISA KASTELER	AMZN MKTP US*UF7OS7I13	SHARPIES & PACKAGING TAPE DISPENSER - OFFICE SUPPLIES	80000570 5220	20.54
10/27/2023	YVETTE AMPARO	DREAMSTIME.COM	STOCK PHOTOS FOR TRAINING	51005650 5290	25.00
10/27/2023	RODNEY SIMS II	THE HOME DEPOT #4421	WATER SUPPLY TUBING AND FITTINGS	91000570 5310	185.35
10/30/2023	TROY GARRETT	THE HOME DEPOT 4410	BALL VALVES AND TOOLS FOR AIRVAC SERVICE	81000570 5360	81.31
10/30/2023	ALISHA KIMMERLE	DEQ DW	STAN GRUNDY CROSS CONNECTION RENEWAL	77000590 5290	150.00
10/30/2023	YVETTE AMPARO	APPLE SPICE MURRAY	LUNCH FOR STLP - SWGRTP	51005650 5290	320.47
10/31/2023	CORY COLLINS	SMITHS MRKTPL #4495	CANDY FOR HALLOWEEN	62000570 5350	18.98

TOTAL # OF TRANSACTIONS: 117

REPORT TOTAL: \$33,815.95

CONSERVATION UPDATE



Update on Adoption of Water Efficiency Standards

STANDING COMMITTEE REPORT

JANUARY 10, 2024

Cities In Progress

- ▶ Midvale
 - ▶ JWWCD staff met with city staff in fall 2023 to discuss Standards
 - ▶ City is working toward adoption in 2024
- ▶ Draper
 - ▶ Current Standards contain an exemption for certain uncommon facilities
 - ▶ City is working toward removing the exemption by July 2024
 - ▶ City remains eligible for JWWCD and State funding

Cities with Water Efficiency Standards

- ▶ Bluffdale
- ▶ Draper
- ▶ Herriman
- ▶ Kearns
- ▶ Magna
- ▶ Riverton
(Updated Nov 2023)
- ▶ South Jordan
- ▶ South Salt Lake
(Updated Oct 2023)
- ▶ Taylorsville
- ▶ West Jordan
(Updated Dec 2023)
- ▶ West Valley City
- ▶ White City

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

October 9, 2023

(Unapproved and subject to change)

A regular meeting of the Conservation Committee of the Board of Trustees of the Jordan Valley Water Conservancy District (JVWCD or District) was held on Monday, October 9, 2023, at 3:00 p.m. at the District 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:

Sherrie Ohrn, Chair
Reed Gibby
Zach Jacob
Dawn Ramsey (electronic – arrived at 3:03 pm)
Mick Sudbury
John H. Taylor
Barbara Townsend

Trustees Not Present:

Corey L. Rushton
Karen Lang

Staff Present:

Alan Packard, General Manager
Jacob Young, Deputy General Manager
Dave Martin, CFO/Treasurer
Shazelle Terry, Assistant General Manager
Matt Olsen, Assistant General Manager
Gordon Batt, Operations Department Manager
Jason Brown, Information Systems Department Manager
Brian Callister, Maintenance Department Manager
Brian McCleary, Controller
Shane Swensen, Engineering Department Manager (electronic)
Martin Feil, Database Administrator (electronic)
Mark Stratford, General Counsel
Kurt Ashworth, Human Resources Manager
Beverly Parry, Executive Assistant
Mindy Keeling, Administrative Assistant
Courtney Brown, Conservation Division Manager
Kelly Good, Communications Division Manager
Kyle Allcott, Marketing Specialist
Clifton Smith, Senior Business Data Analyst (electronic)
Shaun Moser, Conservation Garden Park Manager
Eric Wermel, Conservation Programs Supervisor
Cynthia Bee, Public Information Officer
Valerie Millette, Conservation Coordinator
Madeline Sueltz, Conservation Coordinator

Sam Mingo, Business Data Analyst (electronic)

Others Present:

Greg Christensen, Trustee, Kearns Improvement District

The meeting was brought to order at 3:00 p.m. by Ms. Sherrie Ohrn.

Approval of the minutes of the Conservation Committee meeting held September 11, 2023

Ms. Sherrie Ohrn called for a motion to approve the minutes of the September 11, 2023, Conservation Committee meeting. Ms. Barbara Townsend moved to approve the minutes. Following a second by Mr. Mick Sudbury, the minutes were approved as follows:

Ms. Barbara Townsend – aye	Ms. Sherrie Ohrn – aye
Ms. Dawn Ramsey – not present	Mr. Zach Jacob – aye
Mr. Reed Gibby – aye	Mr. Mick Sudbury – aye
Mr. Corey Rushton – not present	Mr. John Taylor – aye
Ms. Karen Lang – not present	

Public Comments

Mr. Greg Christensen, Trustee, Kearns Improvement District (KID), commented on recognitions recently received by KID. He said KID received gold and silver ADDY awards, from the American Advertising Awards for their efforts in animated water conservation advertising, and a WaterSense excellence award, from the EPA for KID’s promotion of WaterSense.

Discuss proposed Conservation Garden Park master plan direction

Mr. Shaun Moser, Conservation Garden Park Manager, provided a presentation that recommended revising the current master plan for Conservation Garden Park (Garden) to better align with JVVCD’s new strategic plan. He said the original objectives for the Garden expansion included upgrading the frontage and entrance, enhancing educational efforts, and expanding the community asset. Mr. Moser explained that JVVCD staff were recently asked to reassess the business case for Garden expansion and they identified five potential areas for improvement which included 1) increasing awareness about JVVCD and its purpose, 2) associating the Garden with JVVCD to foster positive public relations for JVVCD, 3) increasing visibility of the Garden for more public recognition, 4) shifting the narrow focus from how to make waterwise changes in residential landscapes to tell the broader water story, and 5) increasing water education and awareness issues regardless of extreme weather conditions. Mr. Moser said that moving forward, the vision for the garden is to “Enhance and harness the power of Conservation Garden Park to connect people to water”. Updated objectives include enhancing and emphasizing education on outdoor water reduction, upgrading frontage/entrance, focusing educational efforts on the “why,” bridge the JVVCD-Garden gap and boost awareness of both, and expand the free community asset. Based on these reasons, he is recommending that the master plan be revised to more fully achieve the new objectives of JVVCD’s strategic plan.

Mr. Gibby complimented staff on the information provided and suggested combining some of the bridges that connect to the existing park for more efficiency and improving the parking plan to allow for ample space.

Ms. Ohrn expressed her appreciation to staff for revisiting the Garden master plan, and for producing meaningful updates to the plan to help shift the focus to why conservation is so important for living in a dry, desert region. She also echoed the sentiment of ensuring enough parking is included in the updated plan.

Reporting Items

Ms. Ohrn asked the Board to peruse the reporting items and forego reviewing the items at the meeting.

- a. 2023 Garden Education Programs Report
- b. 2023 Landscape Leadership Grant Update
- c. 2023 Utah Water Savers Program Update
- d. Member Agency Grant Program Update
- e. Fundraising Progress Report
- f. Foundation Activities Report

Adjourn

Ms. Sherrie Ohrn asked for a motion to adjourn the meeting. Ms. Barbara Townsend moved to adjourn. Following a second by Mr. Reed Gibby, the meeting was adjourned at 3:33 p.m.

Sherrie L. Ohrn, Conservation Committee Chair Date

Matthew D. Olsen, Assistant General Manager Date



JORDAN VALLEY WATER
CONSERVANCY DISTRICT

Resolution of the Board of Trustees

RESOLUTION NO. 24-01

ADOPTING THE JORDAN VALLEY WATER CONSERVANCY DISTRICT STRATEGIC PLAN

WHEREAS, pursuant to §17B-2a-1002 Utah Code Ann. (1953) (the "Act"), Jordan Valley Water Conservancy District ("Jordan Valley") was created and is operated to provide for the conservation and development of the water and land resources of the state;

WHEREAS, Jordan Valley has previously adopted a strategic plan which included mission and vision statements to use as a guide in fulfilling its operational purposes;

WHEREAS, Jordan Valley is facing new and evolving challenges and opportunities in fulfilling its operational purposes based on many factors, including increasing population, additional land development within and adjacent to its service area, the ability to attract and retain a talented workforce, the effects of long term changes in average weather conditions, the recognition of the interrelated relationship between how all uses of water are managed, and evolving regulations;

WHEREAS, Jordan Valley desires to meet these challenges and opportunities through strategic adjustments and continuous improvement to shape a future that is sustainable, resilient and ensures our customers have clean, reliable water; and

WHEREAS, Jordan Valley has prepared a new strategic plan with updated mission and vision statements, core imperatives to guide its actions, and areas of strategic focus that connect operational objectives with the attributes of an effectively managed utility (the "Strategic Plan").

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

1. Jordan Valley adopts the Strategic Plan for use in decision-making.
2. The General Manager is authorized and directed to begin implementing the plan immediately and use it to steer decisions to meet its targets.
3. The General Manager is further directed to, over time, develop key results, key performance indicators and detailed action plans and use the results of these activities to report back to the Board with a new version of the board report card for use in demonstrating progress in following the Strategic Plan.

4. This Resolution shall take effect immediately upon execution by an authorized member of the Board.

PASSED, ADOPTED, and APPROVED this 10th day of January 2024.

Corey L. Rushton
Chair of the Board of Trustees

ATTEST:

Alan E. Packard
District Clerk

EXHIBIT 1
STRATEGIC PLAN



JORDAN VALLEY WATER
CONSERVANCY DISTRICT

Strategic Plan

ADOPTED JANUARY 2024



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Introduction



The Jordan Valley Water Conservancy District (JVWCD or District) Strategic Plan has been developed to address key considerations for maximizing strengths, leveraging opportunities, and mitigating weaknesses and threats throughout the District. Relying on the knowledge and experience of our team, we have outlined this forward-looking, comprehensive framework.

JVWCD has worked to bring clean, reliable water to the residents of Salt Lake County since 1951. This remains our driving focus. However, the path forward isn't without its challenges, as increasing population, shrinking water availability, shifting climate patterns, and evolving regulations all loom large on our horizon. In these challenges we find our greatest opportunities for innovation, resilience, and excellence.

The challenges we face are substantial, but our team is capable and ready to make the needed strategic adjustments. Our journey is one of continuous improvement and unwavering dedication to the community we not only serve, but to which we belong. Together, we will shape a future that is sustainable and resilient, ensuring our customers have the clean, reliable water they depend on us to deliver.

The Strategic Plan will guide every major decision and investment over the next decade. It provides structure to our commitment to meet the future with proactive measures, data-driven insights, and dedication to our mission. It is a comprehensive blueprint for addressing challenges through responsible stewardship and quality service.







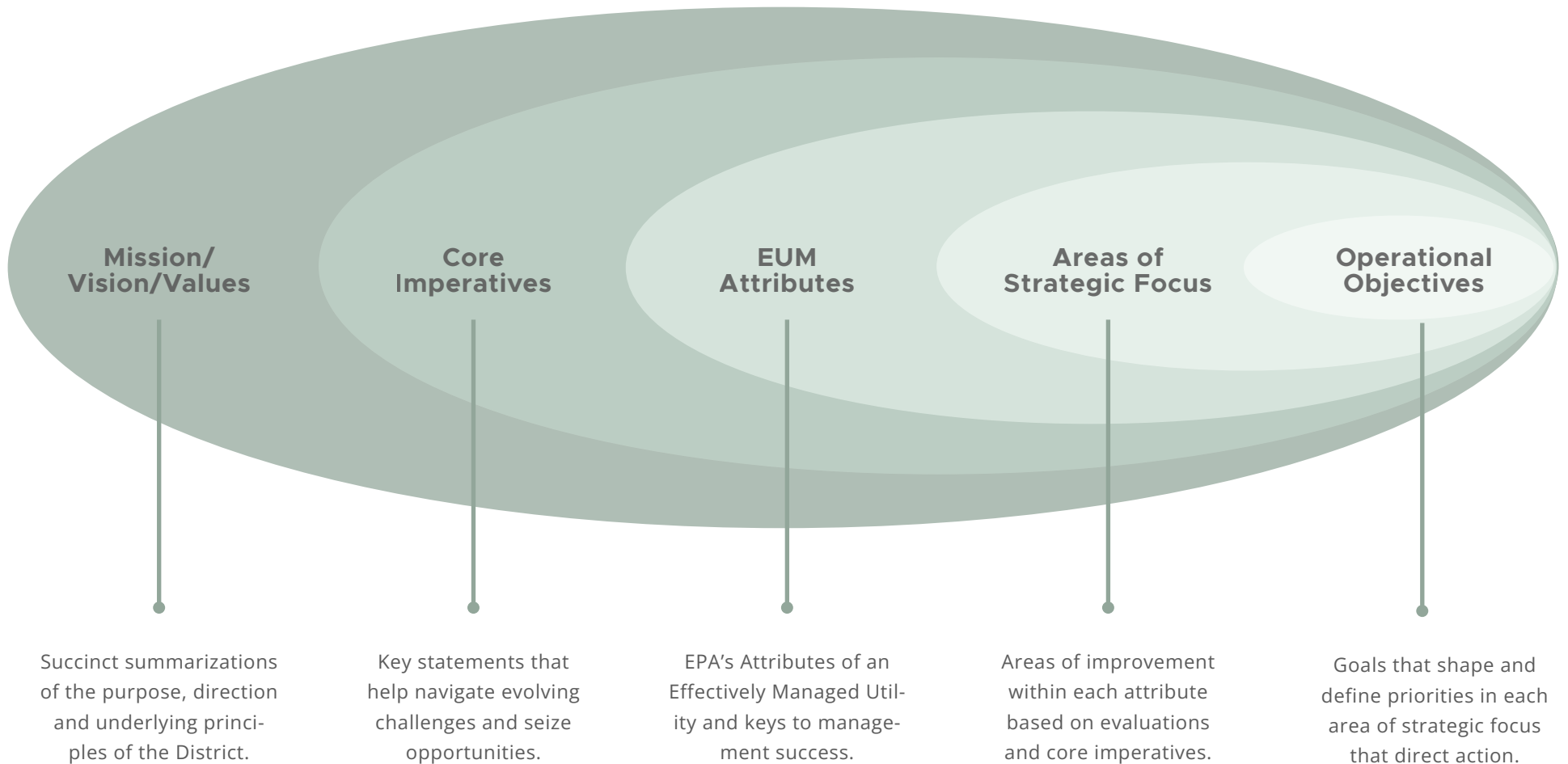
Effective Utility Management

In 2008, the Environmental Protection Agency (EPA) released “Effective Utility Management (EUM): a Primer for Water and Wastewater Utilities” which identified attributes of effectively managed utilities. JWCD began using this framework almost immediately in 2009 to develop a strategic plan, revise its mission, vision, and values, and develop performance indicators.

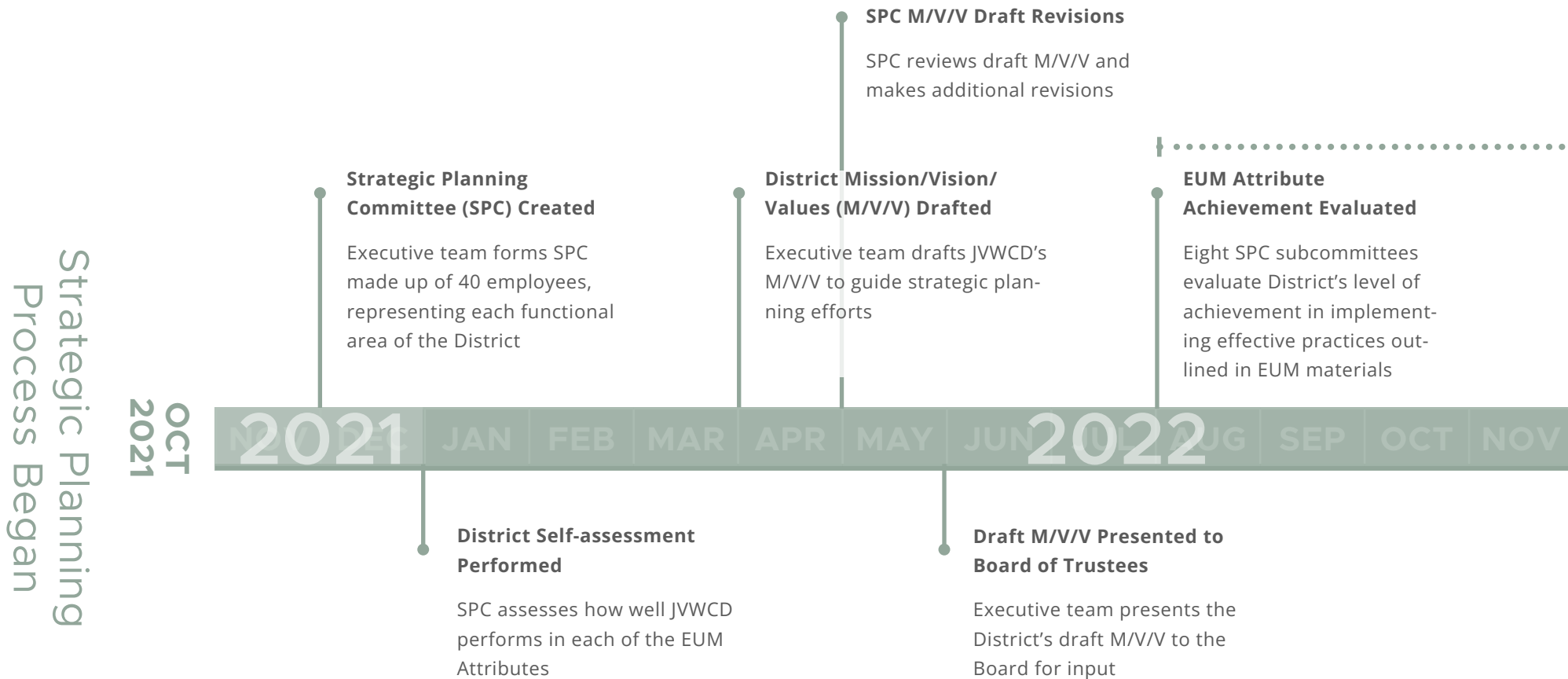
That plan has served the District well for many years, but important new concepts were introduced in an updated EUM primer, released in 2017, and a new document called “Moving Toward Sustainability: Sustainable and Effective Practices for Creating Your Water Utility Roadmap” released in 2018.

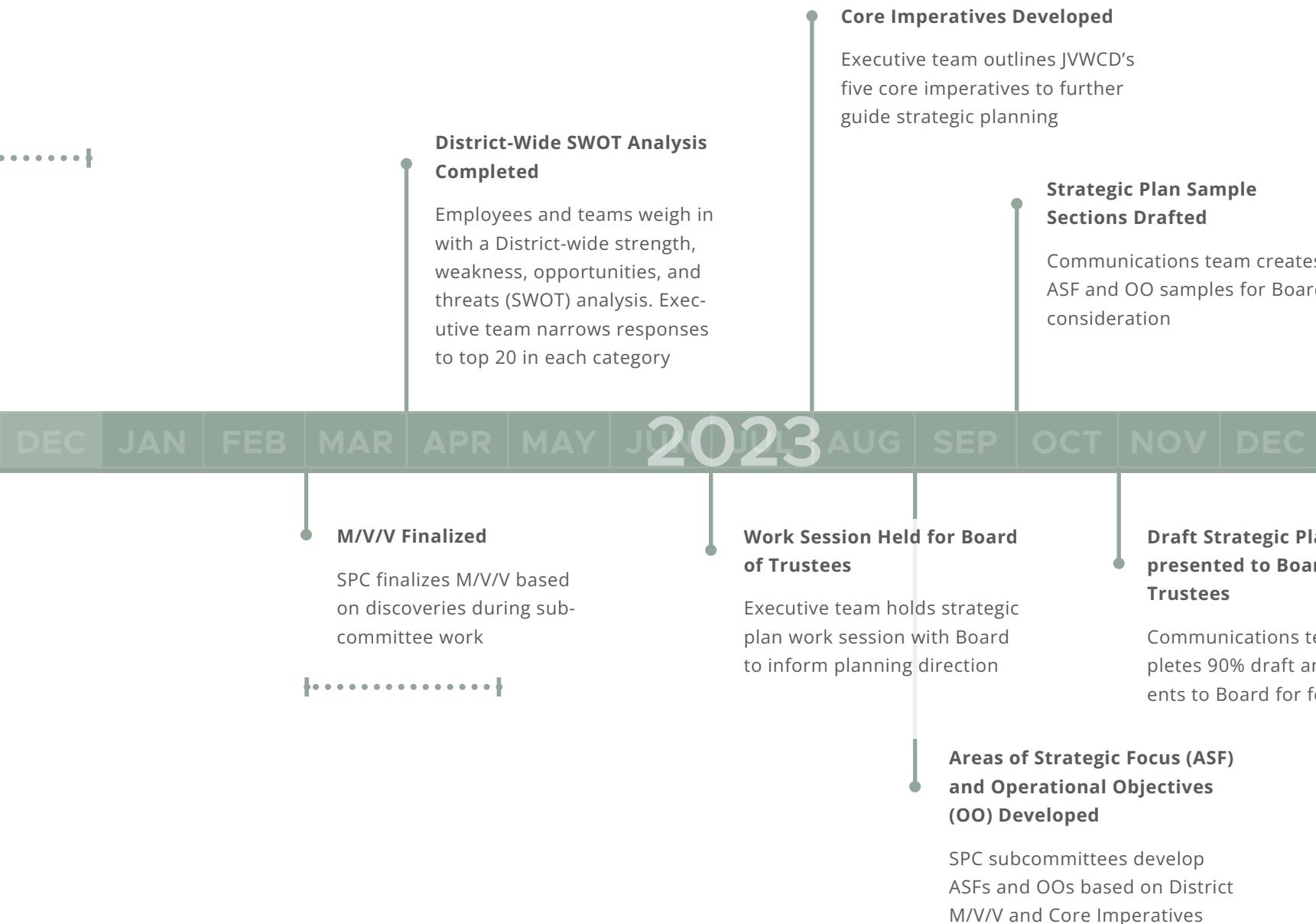
This new strategic planning effort builds on the foundation of the previous plan and extensively used the updated EUM resources as the basis for many of the concepts we have highlighted.

Plan Structure



Strategic Plan Development Timeline





JAN 2024
2024 Strategic Plan Adopted



Mission/Vision/Values

Our mission, vision, and values summarize the purpose, direction, and underlying principles of the District. They have been thoughtfully developed and are powerful tools that guide our strategic plan and the decisions we make.



Mission

We provide clean and reliable water to our community through responsible stewardship and quality service.

Vision

We will empower a thriving community through sustainable, innovative water management, while safeguarding our resources for future generations.

Values

SAFETY We protect our employees, the community, and the environment through consistent safe practices and a proactive approach to risk management.

RESILIENCY As a strong and adaptable organization, we plan for and embrace change so our employees and community can thrive.

SUSTAINABILITY We meet current needs and ensure long-term water resource stewardship by using sustainable resource management and innovative technology.

TRANSPARENCY We communicate openly and are accountable for our actions, fostering trust and collaboration within our organization and the community we serve.

UNITY By fostering a collaborative, unified, and respectful environment, we ensure our teams, partners, and community work together toward our shared goals.



Core Imperatives

Our strategic plan is based on five core imperatives. They guide the actions we must take now to navigate evolving challenges and seize emerging opportunities as we work towards achieving our mission.

Nurture an Environment of Professional Growth to Develop a Dynamic Workforce

As retirements diminish our pool of seasoned professionals, and competition for talent increases, we face challenges in retaining the knowledge and experience needed to fulfill diverse roles across the District. Our response is to offer competitive compensation, promote a supportive work culture, and invest in comprehensive succession planning.

Standardizing and streamlining key operations will be essential to capture critical institutional knowledge, assure ongoing steady performance, and create a talent pool that is resilient to the loss of any one member. We will create a reputation in the industry that JWCD is the place where water professionals come to enhance their skills, advance their careers, and make a significant contribution to their community.

“...JWCD is the place where water professionals come to enhance their skills, advance their careers, and make a significant contribution to their community.”



Forge Collaborative Planning for a Thriving Community

Growing awareness of water issues at federal, state, and local government levels and the increasing frequency of water-related legislation underscore the urgent need for collaborative water management. We will support our partners in their planning efforts while providing leadership and resources to ensure land use and water planning become more integrated.

By strengthening relationships with member agencies, policymakers, and legislators, we can advance comprehensive community planning, advocate for mutually beneficial policies, and extend our partnership network. This collaborative approach paves the way towards our collective vision of a thriving community sustained by responsible water resource management.

“This collaborative approach paves the way towards our collective vision of a thriving community sustained by responsible water resource management.”



Enhance Our Resilience to Current Threats

Given escalating threats like climate variability, natural disasters, regulatory changes, and cybersecurity vulnerabilities, our ability to sustain our community's water supply could be gradually or immediately compromised. Consequently, we will bolster disaster readiness through comprehensive risk management to help prepare for, respond to, and rapidly recover from any threat.

We will proactively scale our investments in direct proportion to the level of risk the District and water system face to ensure a safer, more reliable water future for our community.

"...we will bolster disaster readiness through comprehensive risk management to help prepare for, respond to, and rapidly recover from any threat."



Foster the Community's Conscious Connection with Water

With growing community awareness of water issues and additional government investments and programs related to water, there is a unique opportunity to leverage that awareness and foster a deeper connection between the community and the water resources on which they rely.

We will capitalize on this by promoting a holistic 'One Water' philosophy, underscoring the critical balance between competing demands to support a healthy environment and future needs. By spotlighting water's essential role in our economy, community, and ecosystem, we will cultivate a profound sense of shared stewardship for our water resources.

We will build a more conscious community informed on the vital interplay between land use and water planning, ready to engage and contribute to a secure water future.

“We will build a more conscious community informed on the vital interplay between land-use and water planning, ready to engage and contribute...”



Modernize Systems to Optimize Our Services

As much of our physical infrastructure approaches the end of its useful life and our business processes underutilize modern technology and work approaches, we see opportunities to leverage new tools and practices to improve performance.

The challenge lies in maintaining the high level of service our community expects amidst increasing demands related to growth and looming investments needed to replace aging infrastructure. To address this, we will modernize our operational and information systems.

This involves implementing progressive asset management to update our infrastructure and thoughtful change management to innovate our business processes. Our strategy aims to assure long-term performance, reliability, and cost-effectiveness, ensuring we continue to provide reliable water services for our community for generations to come.

“...implementing progressive asset management to update our infrastructure and thoughtful change management to innovate our business processes.”








Areas of Strategic Focus

Our areas of strategic focus are divided into eight sections based on EUM attributes. A section has three priority areas of focus with three operational objectives in each area. Each objective is assigned* to Phase 1, 2, or 3, indicating when it will be met, though it may be initiated in a previous phase.

*Operational Objective phasing indicated by ●-○-○ throughout.

1 Product Quality and Operational Optimization





**Consistency
Innovation
Protection**



Product Quality and Operational Optimization

1. Consistency

Protect public health, foster trust, and enhance the District's credibility by consistently delivering water that surpasses regulatory standards and customer expectations.

Operational Objectives

- Evaluate and update water quality goals based on industry standards and best practices. Prepare for emerging regulations and concerns.
- Ensure staff understand critical issues and parameters related to their public health stewardship through training and procedures.
- Minimize potential contamination by developing more comprehensive cross connection control and source protection strategies.

AT OUR
CORE

- Modernize systems to optimize our services
- Nurture an environment of professional growth to develop a dynamic workforce

2. Innovation

Create and support an environment in which employees actively seek, evaluate, and implement new water treatment and distribution strategies and operational practices.

Operational Objectives

- Improve the process for updating and accessing existing written operation and maintenance standard operating procedures.
- Take advantage of existing monitoring, modeling, and piloting resources to optimize operational efficiency and water quality.
- Establish comprehensive water loss controls with regular audits for supply, treatment, transmission, and distribution operations.

AT OUR
CORE

- Modernize systems to optimize our services
- Enhance our resilience to current threats



3. Protection

Foster partnerships with fellow stakeholders to identify mutually beneficial projects and strategies that protect surface and groundwater sources from contamination in critical well recharge zones and watersheds.

Operational Objectives

- Leverage community and policymaker focus on critical watersheds and water resources to identify new partners and opportunities.
- Enhance our groundwater source protection to mitigate risks related to natural and man-made climate change and disasters.
- Streamline the notification and review process for potential contamination sources within source water protection zones.

AT OUR CORE

- Forge collaborative planning for a thriving community
- Enhance our resilience to current threats

What it looks like in action.

District

Work with watershed stakeholders to maintain water quality from source to tap.

Department/Division

Develop leading indicators to minimize operational disruptions/water quality events.

Individual

Continuously look for and share ideas for process improvements.

2 Customer Satisfaction and Stakeholder Support



Engagement Accessibility Transparency



Customer Satisfaction and Stakeholder Support

1. Engagement

Create deeper connections with the community focused on the broader water story and pivotal role the District plays. Show how growing water-related concerns can be addressed by working together.

Operational Objectives

- Collaborate with agency governing bodies and provide resources to aid well-informed water-related policy decisions.
- Enhance the District's educational scope by offering tangible and digital experiences about all aspects of water.
- Co-sponsor water-centric community and employee events and service opportunities with agency partners.

AT OUR
CORE

- Foster the community's conscious connection with water
- Forge collaborative planning for a thriving community

2. Accessibility

Tailor communication strategies to reach a diverse demographic spectrum and address the variety of perceptions surrounding water. Provide swift and clear emergency communications to ensure safety and trust.

Operational Objectives

- Standardize communication responses to service disruptions and emergencies and train regularly.
- Adapt demographic-specific communication strategies to resonate and engage with the residents of our service area.
- Provide District resources in multiple languages consistent with our community's profile.

AT OUR
CORE

- Foster the community's conscious connection with water
- Enhance resilience to current threats



3. Transparency

Overcome skepticism toward government and utilities through transparency. Share both successes and challenges and demonstrate our commitment to continuous improvement.

Operational Objectives

- Implement cohesive customer service response procedures with clearly defined targets. Enhance retail and wholesale coordination.
- Assess general reporting and distribution methods and modify as needed to reach a broad range of the community.
- Cultivate community and stakeholder support and trust when developing innovative water supply and delivery concepts.

AT OUR CORE

- Foster the community’s conscious connection with water
- Modernize systems to optimize our services

What it looks like in action.

District

Expand the Conservation Garden Park experience to teach all aspects of water.

Department/Division

Regularly emphasize and reinforce how your team positively impacts customer satisfaction.

Individual

Communicate in a professional, friendly way with each customer you interact with.

3

Employee and Leadership Development





Growth Experience Recognition

3



Employee and Leadership Development

1. Growth

Enhance professional development opportunities that align with employees' career goals and District needs. Increase our bench depth. Provide staff with individual improvement and growth opportunities.

Operational Objectives

- Establish mentorship relationships where experienced employees guide and support less experienced ones.
- Develop training resources with department-specific courses focused on the needs of specific jobs and roles.
- Develop skill-based or cross-training rotations that allow employees to expand their skill sets.

AT OUR
CORE

- Nurture an environment of professional growth to develop a dynamic workforce
- Modernize systems to optimize our services

2. Experience

Retain the knowledge of seasoned professionals with the experience needed to fill key positions across the District. Understand workforce requirements to proactively attract and retain highly-qualified staff.

Operational Objectives

- Evaluate existing and near-term position vacancies and ensure all departments and divisions are adequately staffed.
- Establish clear and robust advancement processes to provide smooth transitions for key roles as employees retire or move on.
- Capture and transfer institutional knowledge, best practices, and critical information to ensure continuity and prevent knowledge gaps.

AT OUR
CORE

- Nurture an environment of professional growth to develop a dynamic workforce
- Enhance resilience to current threats



3. Recognition

Explicitly align employee incentives, compensation, and performance expectations with our mission and core imperatives. Cultivate a culture of innovation, collaborative development, and active employee engagement.

Operational Objectives

- Better utilize award points as a mini-recognition system with consistent application. Include peer-to-peer recognition.
- Develop overarching District-wide, department, team, and individual goals tied to performance evaluations and compensation increases.
- Assess and adjust pay structure to determine its effectiveness for rewarding accomplishments and top performers.

AT OUR
CORE

• Nurture an environment of professional growth to develop a dynamic workforce

What it looks like in action.

District

Retain valuable employees by offering competitive compensation and benefits.

Department/Division

Establish a culture of and processes for cross-training and mentorship.

Individual

Take an interest and active role in your coworkers' development.

4 Financial Viability





Preparedness Strength Service



Financial Viability



1. Preparedness

Ensure water rates, fees, and property taxes are set to collect sufficient revenue to support operations, facility and infrastructure maintenance, capital projects funding, debt repayment, and appropriate reserve funding.

Operational Objectives

- Analyze existing cost-sharing contracts with other agencies. Adjust for current conditions and plan for future changes.
- Conduct annual water rate and property tax analyses to ensure sufficient revenues for necessary expenditures and reserves.
- Update long-term financial plans to include adaptive water supply and capital project plans to project financial needs.

AT OUR
CORE

- Foster the community's conscious connection with water
- Enhance our resilience to current threats

2. Strength

Mitigate threats to revenues, like climate variability and natural disasters, by reinforcing reserves with funds that are prudently invested—balancing risk, return, and liquidity.

Operational Objectives

- Continually review and analyze risks, reserve fund balances, self-insurance fund target balance, and investments.
- Maintain the appropriate reserve fund balances and related financial metrics to maintain our AA+ bond rating.
- Consider additional reserve funding levels during the annual budgeting process.

AT OUR
CORE

- Enhance our resilience to current threats



3. Service

Reinforce financial positioning through effective policy and internal controls, financial reporting, and adequate budgeting to provide a reliable, quality product.

Operational Objectives

- Use a customer-focused approach to financial planning that ensures they receive a quality product that meets their expectations.
- Review accounting policies, procedures, internal controls, and internal audit recommendations and update when needed.
- Conduct annual independent financial statement audits. Ensure financial reports are submitted where required and accessible.

AT OUR
CORE

- Modernize systems to optimize our services
- Enhance our resilience to current threats

What it looks like in action.

District

Develop new recommended MWDSLS cost allocation for expanded JWWTTP.

Department/Division

Prepare annual budgets that are both responsible and efficient.

Individual

Be aware of project budgets and use funds efficiently.

5 Infrastructure Strategy and Performance





Integration Management Standardization



Infrastructure Strategy and Performance

1. Integration

Improve the quality, integration, and breadth of our asset data. Address known gaps in our computer maintenance management system and improve equipment performance tracking.

Operational Objectives

- Identify gaps in data sources, reporting, and inputs and develop an improvement plan.
- Centralize data and SOPs to a single platform/location with a spare parts inventory and management SOP.
- Improve depth, breadth, and distribution of parts inventory to ensure access during an emergency.

AT OUR
CORE

- Modernize systems to optimize our services
- Enhance our resilience to current threats

2. Management

Define asset management policies that build on current methods and include a more diverse group from across district departments for prioritization decisions. Document service goals for all assets.

Operational Objectives

- Establish condition assessment and preventative versus corrective maintenance goals.
- Coordinate repair and replacement activities with other agencies to optimize efficiency.
- Develop staff skill sets to implement asset management strategies and tactics.

AT OUR
CORE

- Forge collaborative planning for a thriving community
- Nurture an environment of professional growth to develop a dynamic workforce



3. Standardization

Capture critical institutional knowledge by streamlining, standardizing, and formalizing asset management processes, roles, and responsibilities across the District.

Operational Objectives

- Identify and evaluate critical structures against the condition/functional performance standard.
- Ensure manufacturers' recommendations are easily accessible and followed on work orders and SOPs for all equipment.
- Analyze inventory to identify critical parts gaps and implement improvement plans.

AT OUR CORE

- Enhance our resilience to current threats
- Modernize systems to optimize our services

What it looks like in action.

District

Invest in renewal and replacement that align with long-term risk mitigation policy/analysis.

Department/Division

Develop certification training plans specific to the needs of the department.

Individual

Use up-to-date systems/processes to make decisions and track asset condition.

6 Enterprise Resiliency





Mitigation Response Continuity



Enterprise Resiliency

1. Mitigation

Protect critical assets, operations, and business functions by assessing potential hazards and integrating risk-reduction into standard practices, long-term capital improvement plans, and financial plans to manage risk.

Operational Objectives

- Monitor and evaluate regional risks, emerging threats, and critical interdependencies that may pose new risks.
- Prioritize strategies and projects that mitigate risks and decrease post-emergency recovery time.
- Assess the current state of our technology and identify needed improvements in solutions, cybersecurity, and staffing.

AT OUR CORE	• Enhance our resilience to current threats
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2. Response

Fully integrate our emergency response plan into an employee's everyday actions through regular assessment, training, and refinement to ensure efficiency and confidence in emergencies.

Operational Objectives

- Assess, refine and conduct regular emergency training to address the breadth of potential incidents in coordination with other agencies.
- Improve employee access to critical information and procedures needed to respond effectively during an emergency.
- Develop comprehensive strategic emergency responses for critical facilities and assets and prioritize potential mitigation measures.

AT OUR CORE	• Enhance our resilience to current threats • Nurture an environment of professional growth to develop a dynamic workforce
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3. Continuity

Maintain a well-funded and comprehensive emergency response plan to ensure continuity and restoration of essential services during and after natural or man-made disasters to maintain public health.

Operational Objectives

- Strengthen mutual-aid relationships and service agreements to address operations/restoration gaps during and after an emergency.
- Optimize processes for evaluating, documenting, and bringing critical systems back online during and after an emergency.
- Bolster financial and contractual positioning to restore critical infrastructure and facilities after an emergency or disaster.

AT OUR
CORE

- Enhance our resilience to current threats
- Forge collaborative planning for a thriving community

What it looks like in action.

District

Establish contracts with companies that can provide resources/supplies during emergencies.

Department/Division

Improve your team's understanding and ability to respond to emergency scenarios.

Individual

Develop a personal emergency response plan so you are available to help the District.

7 Water Resource Sustainability





Adaptability Cooperation Leadership



Water Resource Sustainability

1. Adaptability

Develop a prioritized portfolio of water supply alternatives that will accommodate future demands while accounting for climate change, population growth and other uncertainties.

Operational Objectives

- Define and invest appropriately in supply alternatives that can be implemented for a range of future conditions.
- Develop a water source acquisition strategy for new sources such as saved water from agricultural water optimization.
- Incorporate level of service targets that address climate change and variability.

AT OUR
CORE

- Forge collaborative planning for a thriving community
- Enhance our resilience to current threats

2. Cooperation

Collaborate with communities to determine land uses that can be supported by available water supplies and implement demand management practices that drive efficient water use.

Operational Objectives

- Develop a water budget for land development, and monitor consumptive usage for holistic sustainability.
- Influence and support partner watershed councils' efforts to establish pollutant prevention ordinances and permitting.
- Monitor sustained adoption of water efficiency standards at the city level, and regularly evaluate continued relevance.

AT OUR
CORE

- Forge collaborative planning for a thriving community
- Enhance our resilience to current threats



3. Leadership

Play a leadership role among municipal and industrial users by accounting for Great Salt Lake (GSL) in water management decisions and contributing to a healthy lake and community.

Operational Objectives

- Participate in the Great Salt Lake Basin Integrated Plan and implement recommendations in our water management plans.
- Explore feasibility of a net-zero additional depletion on GSL as we accommodate growth.
- Establish a portfolio of sources dedicated to GSL for a fixed period, while meeting future growth and emergency supply needs.

AT OUR
CORE

- Foster the community's conscious connection with water
- Forge collaborative planning for a thriving community

What it looks like in action.

District

Invest in alternative water supply strategies and opportunities.

Department/Division

Engage with member agency counterparts to support land use planning.

Individual

Follow the State's watering guide recommendations at your own home.

A photograph showing a group of people on a balcony or deck. In the foreground, there is a dense thicket of green and yellowish-brown branches, likely from a tree or large shrub. Behind the foliage, a man in a teal polo shirt and a white baseball cap is seen from the back, looking towards a woman with short grey hair wearing a white top. Another woman with dark hair is partially visible to the right. The balcony has a dark railing. In the background, there are large windows or glass doors of a building.

Community Sustainability



Sustainability Engagement Collaboration



Community Sustainability

1. Sustainability

Minimize the environmental impact of utility operations from day-to-day activities to construction projects. Ensure that community sustainability is a key factor in planning and decision-making.

Operational Objectives

- Consider social and environmental impacts and look for opportunities to enhance community benefits in project selections.
- If available and cost-competitive, support local services/products. Improve outreach to women- and minority-owned businesses.
- Assess low/no carbon fuel feasibility for District vehicles. Promote electrical infrastructure construction and use of hybrid/electric vehicles.

AT OUR CORE

- Modernize systems to optimize our services
- Foster the community's conscious connection with water

2. Engagement

Improve support for sustainability efforts by increasing community engagement and education about water, conservation, and the impacts each individual has on the available water supply.

Operational Objectives

- Identify ways to reach audiences that have been previously missed and understand their motivations and perspectives.
- Build trust with and develop outreach to all demographics in the District's service area.
- Provide opportunities for members of our community to learn where their water comes from and how they fit into the picture.

AT OUR CORE

- Foster the community's conscious connection with water
- Forge collaborative planning for a thriving community



3. Collaboration

Share the District’s sustainability journey with the community and collaborate with local agencies and community members to work toward a sustainable future.

Operational Objectives

- Report on sustainability targets in a way that is accessible and understandable to community members.
- Expand volunteer and paid intern programs, offering insights into utility careers and critical services provided by the water industry.
- Develop collaborative agreements with public and private agencies to reduce water consumption and promote green job growth.

AT OUR CORE	<ul style="list-style-type: none">•Nurture an environment of professional growth to develop a dynamic workforce•Forge collaborative planning for thriving community
------------------------	--

What it looks like in action.

District

Detail sustainability target performance in regular reports.

Department/Division

Include social and environmental benefits in project execution.

Individual

Participate in the events the District sponsors in the community and the garden.



Next Steps

The JWCD Strategic Plan is the culmination of valuable insights gathered from employees throughout the District and our Board of Trustees. We will begin to implement the plan immediately and it will steer our decision-making over the next six to 10 years. The plan provides structure but is flexible enough to evolve as targets are met. Updates to the Strategic Plan will be presented to the Board of Trustees for feedback and approval.

We anticipate the plan will be accomplished in three phases:

Phase 1: January 2024 – June 2025

Phase 2: July 2025 – June 2028

Phase 3: July 2028 – June 2030

To remain accountable to the Strategic Plan and the operational objectives, implementation plans will be developed for each phase. SPC subcommittees will meet regularly throughout Phase 1 to establish criteria and appropriate timelines. Each subcommittee will be tasked with developing key performance indicators (KPIs), key results (KRs), and/or a written action plan:

- **Key Results (KRs):** Specific, time-bound, and realistic benchmarks to monitor how we achieve operational objectives.
- **Key Performance Indicators (KPIs):** Qualitative measurements of performance that track progress and offer nuanced insights over time.
- **Detailed Action Plans (DAPs):** Specific actions, timelines, and responsibilities that delve deeper into operational objectives.

We will develop at least one KR, KPI, or DAP for each operational objective by the end of Phase 1. The progress and outcomes of these efforts will be featured in a new version of the Board Report Card, providing a clear and concise progress update.



Example

Attribute	Infrastructure Strategy and Performance
Area of Strategic Focus	Integration
Operational Objective	Centralize data and SOPs to single platform/location with spare parts inventory and management SOP
Key Result	Establish spare parts inventory and management SOP by end of 2024
Key Performance Indicator	Maintain inventory 90% filled or higher
Detailed Action Plan	Detailed plan that answers things like: <ul style="list-style-type: none">• Who is on the project team?• How will best platform/location be determined for inventory?• How will existing information be transferred to new platform/location?• How will the SOP be updated?• How is training conducted?

Acknowledgments

We want to recognize staff members from across the District and the Board of Trustees who contributed thoughtful insights and perspectives to develop this plan.

Executive Leadership

Alan Packard - *General Manager*

Jacob Young - *Deputy GM*

Matt Olsen - *Assistant GM*

Shazelle Terry - *Assistant GM*

Board of Trustees

Corey Rushton

Mick Sudbury

John Taylor

Sherrie Ohrn

Dawn Ramsey

Reed Gibby

Karen Lang

Zach Jacob

Barbara Townsend

Committee Members

Brian Callister - *Maintenance*

Brian McCleary - *Finance*

Bryan Smith - *Operation*

Courtney Brown - *Conservation*

Cynthia Bee - *Communication*

Dave Beratto - *Maintenance*

Dave Martin - *Finance*

David McLean - *Engineering*

Gordon Batt - *Operation*

Jason Brown - *Information Technology*

Jeanette Perry - *Customer Service*

Jeff Betton - *Safety*

Jeff King - *Security*

Jeff Small - *Operation*

Jon Hilbert - *Operation*

JT Cracroft - *Maintenance*

Kelly Good - *Communication*

Kevin Rubow - *Engineering*

Kurt Ashworth - *Human Resources*

Kyle Allcott - *Communication*

Kyle Chapman - *Instrumentation*

Marcelo Anglade - *Engineering*

Margaret Dea - *Finance*

Mark Stratford - *Counsel*

Matt Hinckley - *Operation*

Mike Gonzales - *Meters*

Mindy Keeling - *Administration*

Nick McDonald - *Operation*

Paul Mattinson - *Laboratory*

Shane Swensen - *Engineering*

Shaun Moser - *Conservation*

Steve Blake - *Operation*

Travis Christensen - *Engineering*

Wade Tuft - *Supply*



Before you ask which way to go,
remember where you've been.







JORDAN VALLEY WATER
CONSERVANCY DISTRICT

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JVWCD Strategic Plan - Phase 1

Implementation

As we initiate Phase 1, we will set in motion the first steps towards realizing the Strategic Plan. By refining our Board Report Card and setting clear KPIs, KRIs, and action plans, we will lay the foundation for measurable success and strategic adaptability. The work ahead is defined and deliberate, charting a course for continued excellence in serving our community's water needs.

The existing Board Report Card will be modified to exclude metrics that are no longer relevant. This will still allow the Board of Trustees to evaluate the overall performance of the District as the new strategic plan progresses and a new report card is developed. Once the new report card is finalized it will replace the old completely.

SPC subcommittees will meet regularly throughout Phase 1 to establish criteria and appropriate timelines for all operational objectives in the Strategic Plan. Each subcommittee will be tasked with developing key performance indicators (KPIs), key results (KRIs), and/or detailed action plans (DAPs).

Phase 1 Operational Objectives

In addition to planning out operational objectives for all of the phases, we have identified the following operational objectives as priorities to be completed during phase 1. Most of the Phase 1 operational objectives¹ are grouped into the following planning projects:

Emergency Response Plan Update

2.2.1. Standardize communication responses to service disruptions and emergencies and train regularly.

6.2.1. Assess, refine, and conduct annual emergency training to address the breadth of potential incidents in coordination with other agencies.

6.2.2. Improve employee access to critical information and procedures needed to respond effectively during an emergency.

6.3.1. Strengthen mutual-aid relationships and service agreements to address operations/restoration gaps during and after an emergency.

Communication Plan Update

2.3.1. Implement cohesive customer service response procedures with clearly defined targets. Enhance retail and wholesale coordination.

8.2.1. Identify ways to reach audiences that have been previously missed and understand their motivations and perspectives.

¹ Operational objectives are defined by three numbers: The first is the EUM attribute, the second is the ASF, the third is the operational objective.

Asset Management Plan Update

5.1.1. Identify gaps in data sources, reporting and inputs and develop an improvement plan.

5.2.1. Establish condition assessment and preventative versus corrective maintenance goals.

5.3.1. Identify and evaluate critical structures against the condition/functional performance standard.

5.3.2. Ensure manufacturers' recommendations are easily accessible and followed on work orders and SOPs for all equipment.

5.3.3. Analyze inventory to identify critical parts gaps and implement improvement plans.

Workforce Plan

3.2.1. Evaluate existing and near-term position vacancies and ensure all departments/divisions are adequately staffed.

3.3.1. Better utilize award points as a mini-recognition system with consistent application. Include peer-to-peer recognition.

The remaining operational objectives will be addressed individually:

1.1.1. Evaluate and update water quality goals based on industry standards and best practices. Prepare for emerging regulations and concerns.

1.1.2. Ensure staff understand critical issues and parameters related to their public health stewardship through training and procedures.

7.2.1 Develop a water budget for land development, and monitor consumptive usage for holistic sustainability.

FINANCIAL MATTERS

JORDAN VALLEY WATER CONSERVANCY DISTRICT
**ESTABLISHING A LEVEL OF SERVICE FOR PREPARATION
 OF FISCAL YEAR 2024/2025 BUDGET**

January 10, 2024

District staff have started the process to prepare a budget proposal for FY 2024/2025. The budget proposal process begins with this memo which identifies the District’s level of service requirements and noteworthy current conditions and external factors which influence the budget plan.

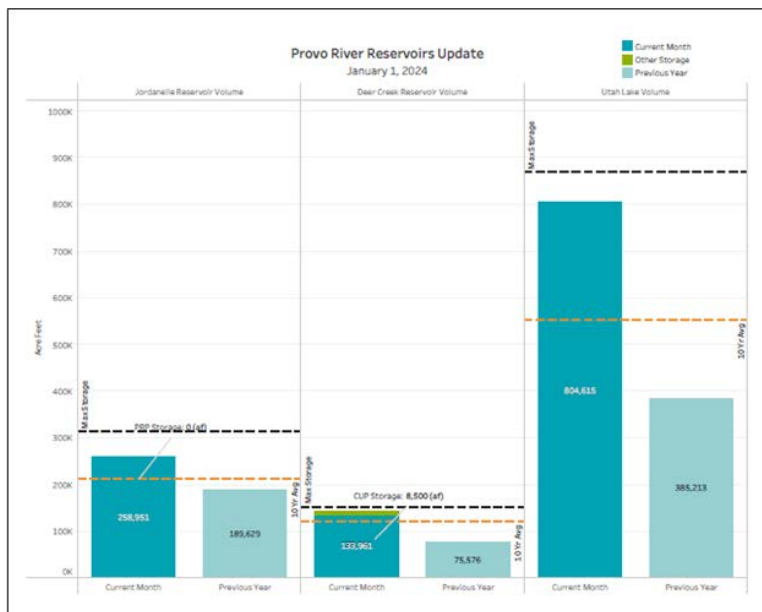
The level of service parameters are aligned with the eight areas of strategic focus identified in the District’s new Strategic Plan. The narrative for each level of service parameter will note applicable factors to be considered in the budget proposal. Key considerations which will particularly influence the FY 2024/2025 budget proposal are:

- 1) water supply conditions and achievement level of durable conservation,
- 2) economic conditions,
- 3) significant capital projects during the next several years, and
- 4) new Strategic Plan implementation

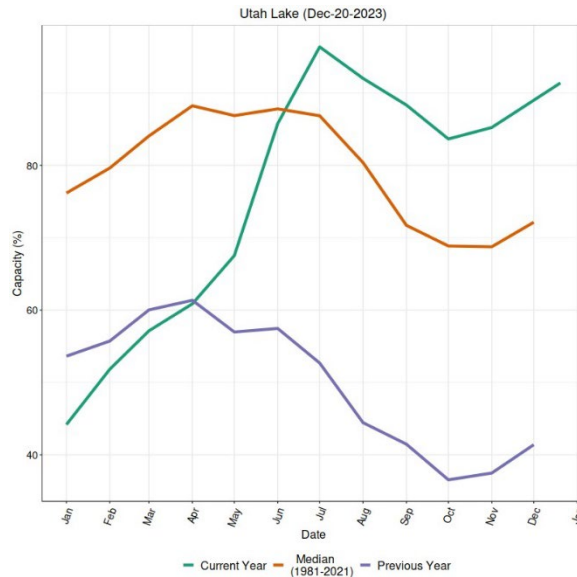
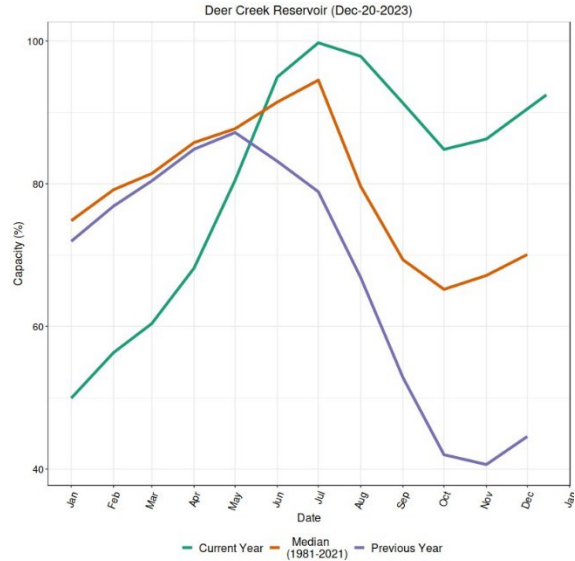
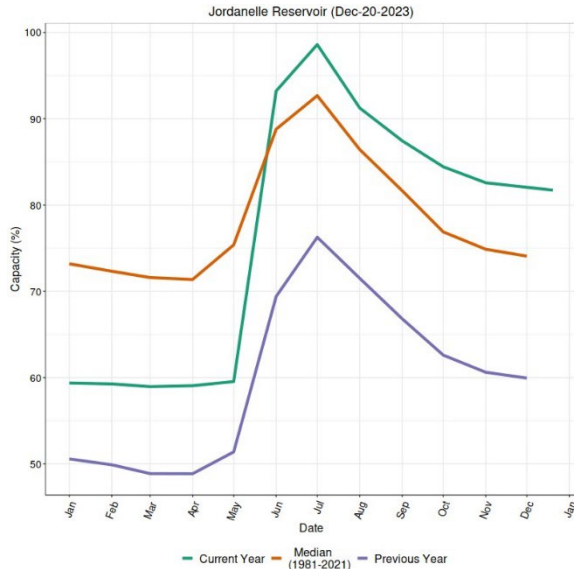
1. Water Supply Conditions and Achievement Level of Durable Conservation

The exceptional snowpack experienced last winter provided abundant surface water to replenish Jordanelle and Deer Creek reservoirs and Utah Lake. JVWCD staff worked to optimize use of surface water supplies while reducing groundwater production to allow the aquifer to recover.

The Board considered the JVWCD Drought Contingency Plan and decided to establish a normal water availability condition for 2023. We shifted our messaging away from “drought response” and emphasized careful and responsible water use to fill reservoirs and enable more water releases to Great Salt Lake. We were pleased with the public’s response resulting in 2023 deliveries that were approximately the same as the 2021 and 2022 severe drought years.



It is still early in the snowpack accumulation season, but the accumulation to date is significantly below normal. However, Jordanelle, Deer Creek, and Utah Lake are all well above long-term averages for this time of year. We will evaluate conditions in accordance with the Drought Contingency Plan, but the preliminary plan is to communicate a continued emphasis on durable conservation. Consistent with that perspective, the budget proposal will be based on delivery of 104,000 AF during FY 2024/2025 assuming a slight demand increase associated with growth on the system.



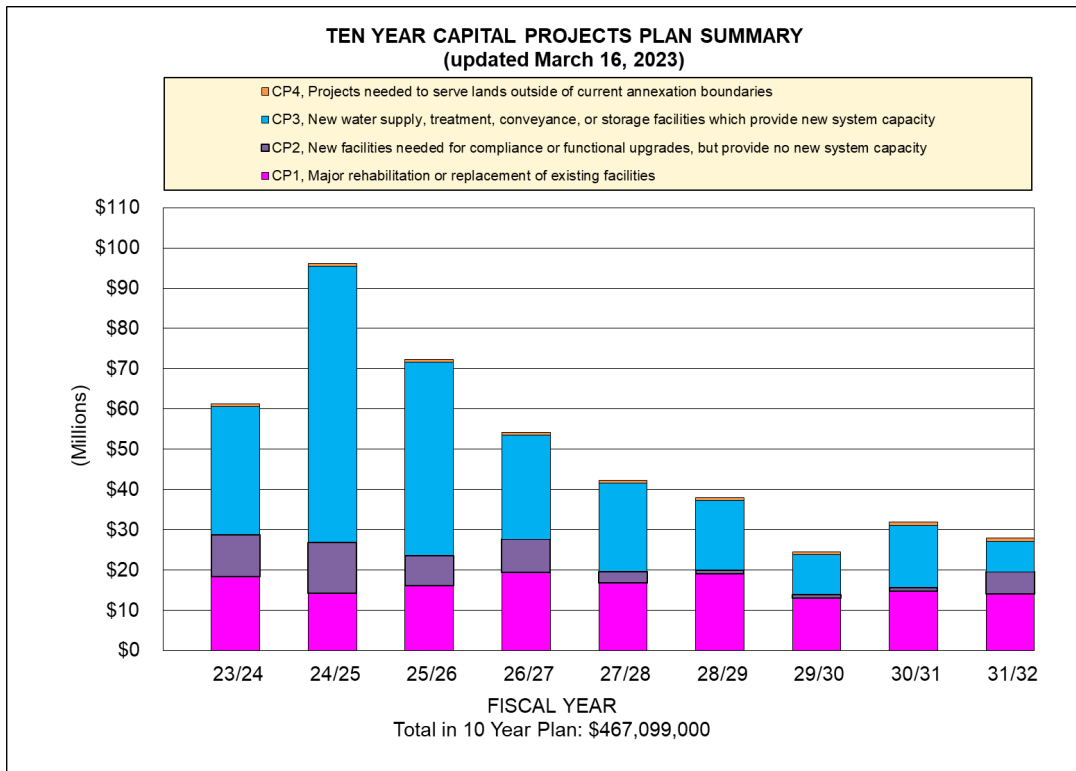
2. Economic Conditions

High inflation has begun to moderate but Utah's strong economy and low unemployment rate continue to be a challenge with employee recruitment and retention. For example, during calendar year 2023, we had three employees retire and we added four new full-time positions which combined created seven total new job openings. However, turnover of existing employees was quite high, and we hired a total of 28 new employees during 2023 to fill vacated positions. The

budget proposal will include recommended pay adjustments and other items to address these challenges.

3. Significant Capital Projects Spending

The JWVTP was expanded to its current 180 MGD capacity in 1986 and is the largest drinking water treatment plant in Utah. The communities served by JWVCD have experienced dramatic growth since 1986, and an expansion of the JWVTP treatment capacity is needed to support the growing demands. The expansion is being implemented in four primary phases, the first three of which will expand capacity to 210 MGD by 2027, and the fourth phase will expand capacity to 255 MGD by approximately 2040. Over the next several years, there will also be significant capital spending on new conveyance and storage facilities.



This surge in capital spending over the next several years will require significant borrowing and prudent financial management. Appropriate water rate and property tax increases will be considered to maintain a strong financial position to support the increasing debt payments.

4. Strategic Plan

The new Strategic Plan will be presented and considered for adoption by the Board on January 10, 2024. Fifteen operational objectives are scheduled to be completed by June 30, 2025, as shown in the attached Phase 1 Implementation Plan. Where applicable, budget allocations will be proposed to enable completion of the Phase 1 operational objectives.



JVWCD Strategic Plan - Phase 1

Implementation

As we initiate Phase 1, we will set in motion the first steps towards realizing the Strategic Plan. By refining our Board Report Card and setting clear KPIs, KRAs, and action plans, we will lay the foundation for measurable success and strategic adaptability. The work ahead is defined and deliberate, charting a course for continued excellence in serving our community's water needs.

The existing Board Report Card will be modified to exclude metrics that are no longer relevant. This will still allow the Board of Trustees to evaluate the overall performance of the District as the new strategic plan progresses and a new report card is developed. Once the new report card is finalized it will replace the old completely.

SPC subcommittees will meet regularly throughout Phase 1 to establish criteria and appropriate timelines for all operational objectives in the Strategic Plan. Each subcommittee will be tasked with developing key performance indicators (KPIs), key results (KRAs), and/or detailed action plans (DAPs).

Phase 1 Operational Objectives

In addition to planning out operational objectives for all of the phases, we have identified the following operational objectives as priorities to be completed during phase 1. Most of the Phase 1 operational objectives¹ are grouped into the following planning projects:

Emergency Response Plan Update

2.2.1. Standardize communication responses to service disruptions and emergencies and train regularly.

6.2.1. Assess, refine, and conduct annual emergency training to address the breadth of potential incidents in coordination with other agencies.

6.2.2. Improve employee access to critical information and procedures needed to respond effectively during an emergency.

6.3.1. Strengthen mutual-aid relationships and service agreements to address operations/restoration gaps during and after an emergency.

Communication Plan Update

2.3.1. Implement cohesive customer service response procedures with clearly defined targets. Enhance retail and wholesale coordination.

8.2.1. Identify ways to reach audiences that have been previously missed and understand their motivations and perspectives.

¹ Operational objectives are defined by three numbers: The first is the EUM attribute, the second is the ASF, the third is the operational objective.

Asset Management Plan Update

5.1.1. Identify gaps in data sources, reporting and inputs and develop an improvement plan.

5.2.1. Establish condition assessment and preventative versus corrective maintenance goals.

5.3.1. Identify and evaluate critical structures against the condition/functional performance standard.

5.3.2. Ensure manufacturers' recommendations are easily accessible and followed on work orders and SOPs for all equipment.

5.3.3. Analyze inventory to identify critical parts gaps and implement improvement plans.

Workforce Plan

3.2.1. Evaluate existing and near-term position vacancies and ensure all departments/divisions are adequately staffed.

3.3.1. Better utilize award points as a mini-recognition system with consistent application. Include peer-to-peer recognition.

The remaining operational objectives will be addressed individually:

1.1.1. Evaluate and update water quality goals based on industry standards and best practices. Prepare for emerging regulations and concerns.

1.1.2. Ensure staff understand critical issues and parameters related to their public health stewardship through training and procedures.

7.2.1 Develop a water budget for land development, and monitor consumptive usage for holistic sustainability.

1. Product Quality and Operational Optimization

Product Quality

Water quality and water delivery represent the core missions of the District. District customers expect the water they receive to meet drinking water regulations 100% of the time. This is a foundational basis for budget preparation. The District continues to successfully meet this standard. Figure 1.1 shows the Improvement Priority System (IPS) status for the District as maintained by the Utah Division of Drinking Water (DDW). The DDW assesses points to water systems for monitoring and reporting violations; Maximum Contaminant Level (MCL) and water treatment violations; and failure to maintain or implement required programs, permits, or construction standards. The number of points issued depends on the potential risk the deficiency has to the overall integrity of the system and its potential to adversely affect public health. The DDW completed the most recent sanitary survey of the system in September of 2021. All minor deficiencies noted from that system inspection have been addressed. As indicated in Figure 1.1, the District maintains an “approved” status and is in 100% compliance with 0 points assessed.

Figure 1.1

Jordan Valley Wcd		PWS ID: UTAH18027	Rating: Approved	11/08/2018	Status: Active
Contacts	Site Information	Site Updates	Political Districts		
Type: Administrative Contact Name: ALAN PACKARD Office: 801-565-4300 Emergency: 801-330-7783 Email: alanp@jvwcd.org	Legal Contact: STRATFORD, MARK Address: 8215 S 1300 W , WEST JORDAN, UT 84088 Phone: 801-565-4300 County: SALT LAKE COUNTY System Type: Community Certification Required: D4 T4 Total Population: 82500	Last Inventory Update: 12/12/2023 Last Surveyor Update: 09/30/2021 Surveyor: PETER T KEERS Operating Period: 1/1 - 12/31 Last IPS Update: 12/12/2023 14:10:00	Representative: 37 Senate: 8		
			Water Usage Information per ERC		
			Total Ips Points: 0		

In addition to meeting drinking water standards, the District goal is to provide water that meets or exceeds customers' expectations for aesthetics including taste, odor, color, and texture. To meet these goals requires an immense amount of water quality sampling and analysis beyond regulatory requirements for monitoring and process control. Table 1.1 and Figure 1.2 show the type and number of samples collected annually. Figures 1.3 and 1.4 show the total number of samples analyzed by the Jordan Valley Lab in FY 2022/2023 for both the District and the Member Agencies that utilize the laboratory. It is anticipated that the number, type, and cost for water quality sampling and analysis for the upcoming fiscal year will increase for the FY 2024/2025 budget due to the upcoming Lead and Copper Rule Revisions, as well as an increase in analysis consumables that affects the cost of both our internally run samples and those that are outsourced to outside laboratories.

Table 1.1

Summary of Samples Collected by Type		
Sample Type	Parameters per Sample	Samples Collected by Type
Disinfection By-Products	14	278
Field Tests	8	3673
Herbicides and Pesticides	32	13
Metals	35	25
Miscellaneous	Varies	374
Microbiological	5	1653
Non-metal Inorganics	23	1534
Organics	3	347
Pharmaceuticals	46	22
Radiologicals	7	4
VOCs	68	4
Total	241	7927

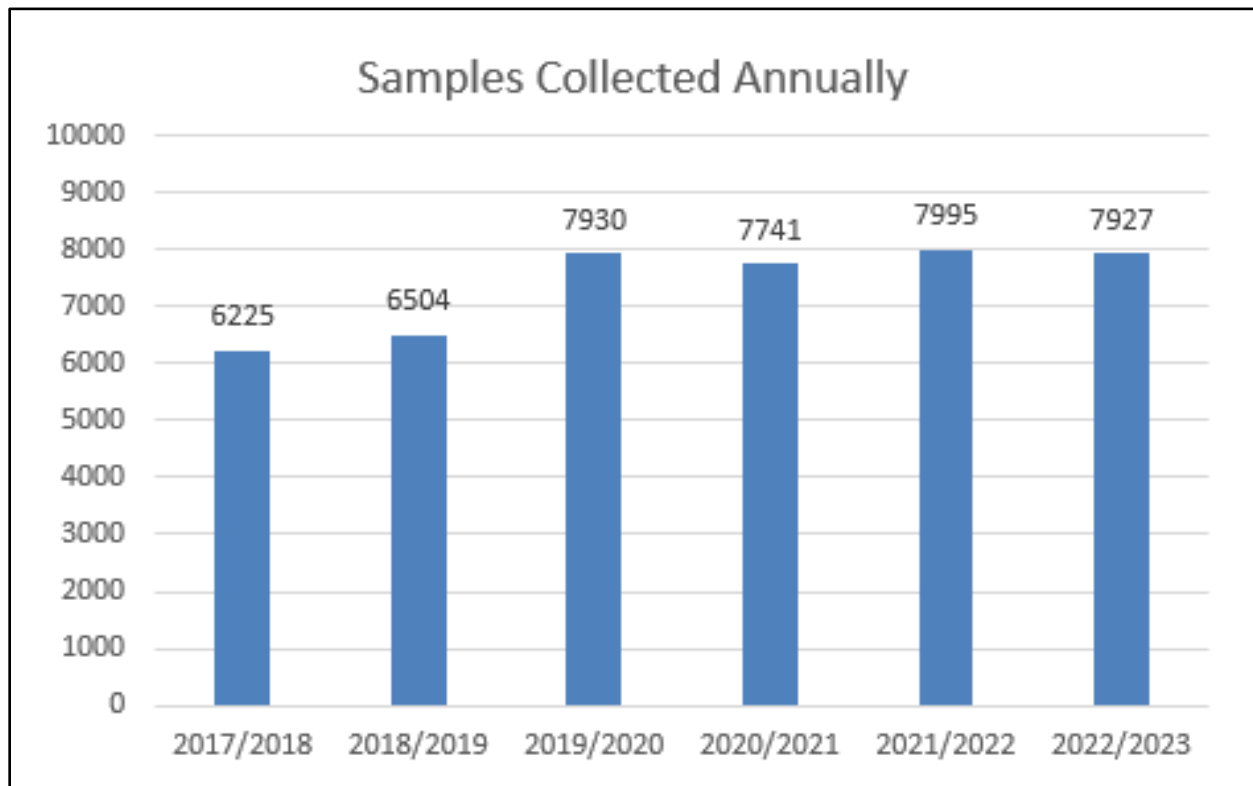
Figure 1.2

Figure 1.3

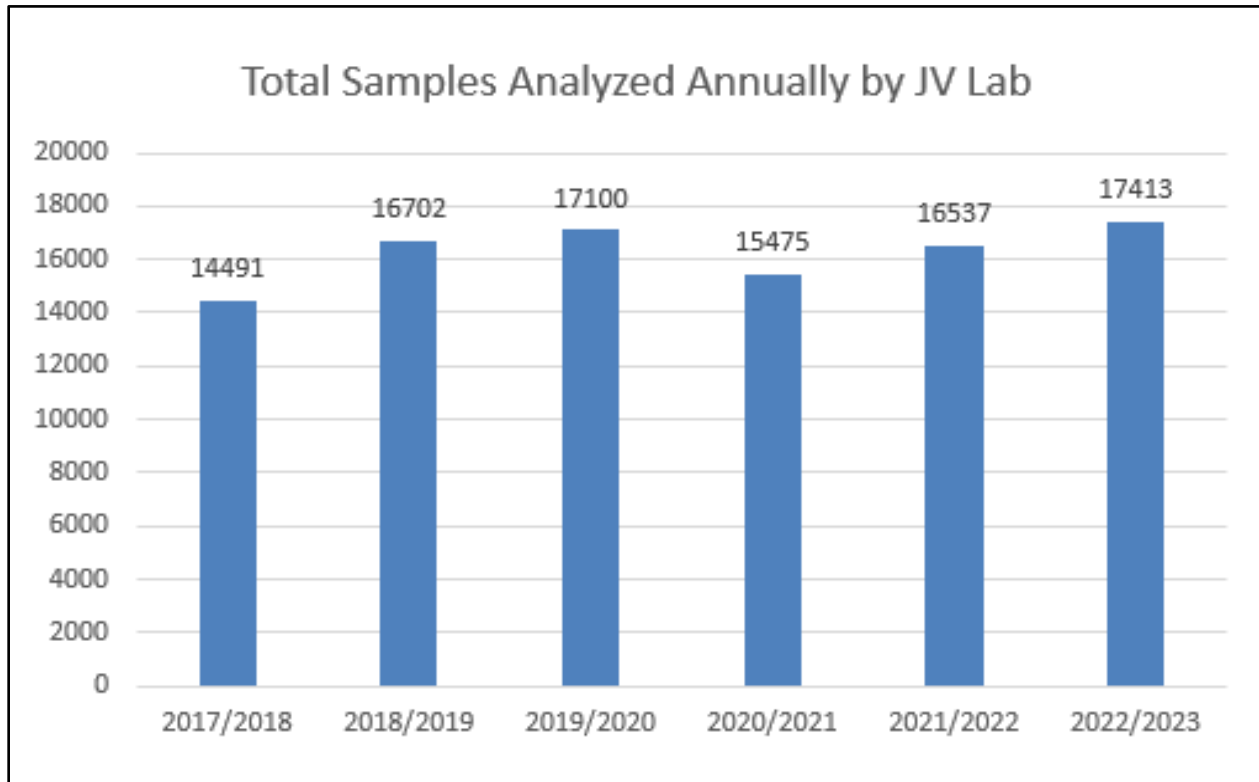
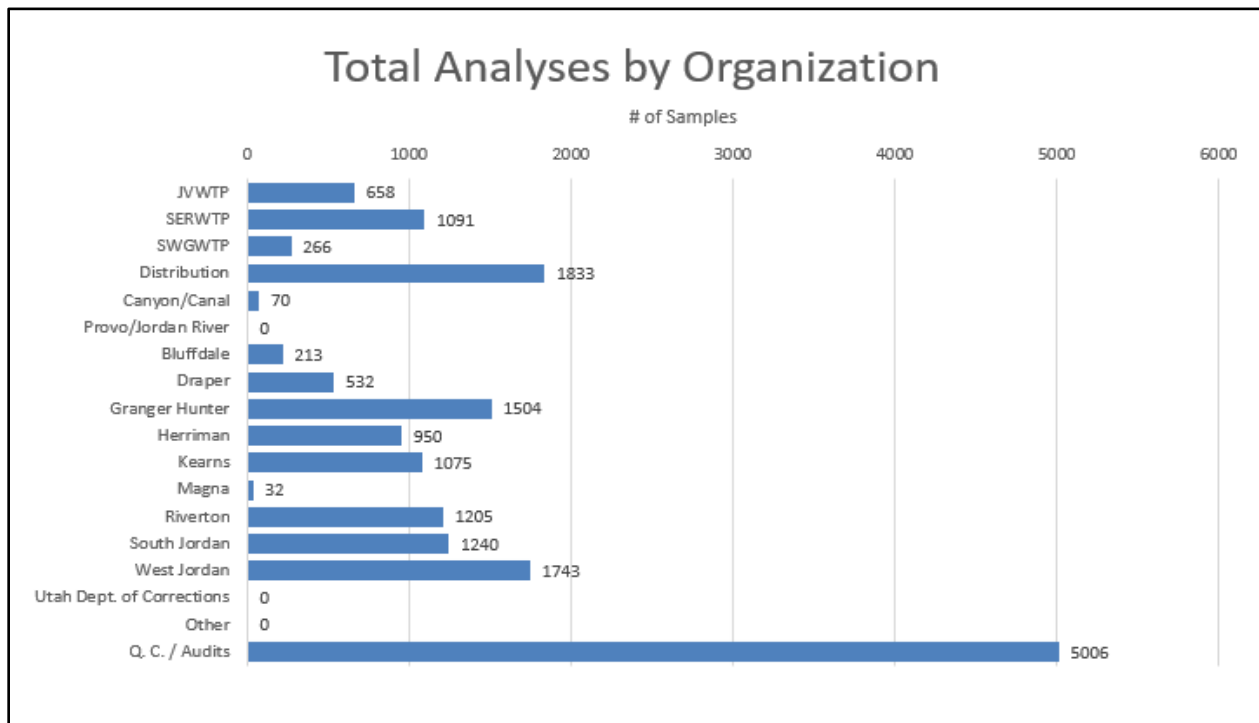


Figure 1.4



Operational Optimization

In addition to being 100% in compliance with drinking water regulations and standards, the District strives to provide the highest quality water possible. Customers expect water that is both safe to drink and free of any objectional taste, smell, or color. One of the ways that District Operations Department staff work to meet these expectations is by establishing stringent, self-imposed water quality goals for treatment and distribution system optimization. Figure 1.5 shows these goals which are treatment plant and distribution system specific and are far above and beyond what is required by regulation. The color shading quickly shows the percentage of time that goal was met with bright green being 100%, bright red being 0%, and bright yellow being 60%. In addition to assessing and updating these goals during FY 2024/2025, Treatment Division staff are working with the Analytics Group staff to set up a data validation process for critical treatment and water quality data, similar to what is currently done to validate meter data by the Distribution Operations Division staff.

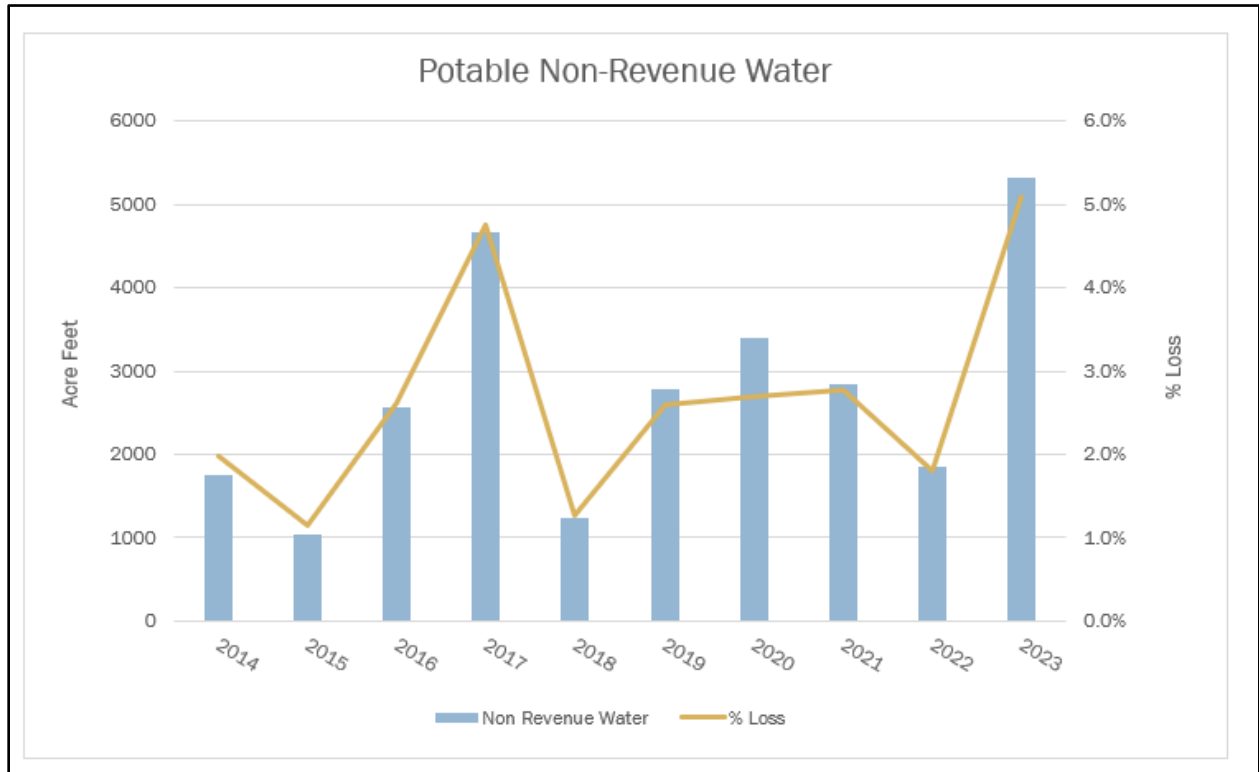
Figure 1.5

WATER QUALITY TRACKING												
Overall Met Goal %	22-Nov	22-Dec	23-Jan	23-Feb	23-Mar	23-Apr	23-May	23-Jun	23-Jul	23-Aug	23-Sep	23-Oct
JVWTP												
Turbidity less than 0.08 NTU (hourly max)	99.48%	99.90%	99.92%	99.92%	99.92%	99.89%	99.86%	99.85%	99.82%	99.76%	99.76%	99.76%
Turbidity less than 0.08 NTU (hourly max)	98.10%	98.31%	98.27%	98.06%	97.97%	97.98%	98.55%	98.43%	97.78%	97.53%	97.56%	97.61%
Maximum total particle counts < 50/mL (hourly max)	80.63%	80.11%	80.66%	80.01%	79.17%	77.31%	73.33%	73.38%	74.13%	73.02%	73.30%	74.81%
Chlorine effluent residual between 0.50 and 1.00 mg/L (hourly max/min)	90.76%	90.79%	86.09%	84.74%	84.01%	82.79%	82.42%	82.17%	81.22%	89.58%	80.95%	80.64%
Effluent TOC < 2.0 mg/L (weekly) use data from LIMS	88.46%	90.38%	88.46%	88.46%	88.46%	88.24%	82.69%	74.51%	70.59%	62.75%	64.71%	84.48%
Langlier greater than -0.10 and less than 0.50	99.82%	99.82%	99.00%	99.08%	99.10%	99.10%	98.90%	95.84%	94.71%	94.71%	84.07%	81.63%
Geosmin concentration < 5 ng/L or >70% removal	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	95.83%	95.83%
SERWTP												
Turbidity less than 0.08 NTU (hourly max)	96.11%	95.76%	95.38%	95.32%	95.24%	95.52%	95.44%	95.36%	95.85%	96.92%	98.09%	98.46%
Total particle count < 20/mL (hourly max)	84.14%	87.36%	84.72%	83.15%	81.92%	84.31%	85.30%	85.66%	85.09%	89.55%	93.29%	92.55%
Turbidity less than 0.08 NTU (hourly max)	91.79%	91.48%	90.66%	90.15%	90.06%	90.15%	90.04%	90.04%	90.41%	91.16%	90.70%	89.94%
Maximum total particle counts < 30/mL (hourly max)	88.63%	88.75%	88.45%	88.03%	88.21%	88.29%	88.00%	88.00%	88.38%	88.47%	90.97%	88.82%
Chlorine effluent residual less than .90 mg/L (hourly max)	98.54%	98.59%	98.60%	98.57%	98.66%	98.74%	98.74%	98.63%	98.47%	99.39%	98.69%	98.53%
Chlorine CT ratio greater than 1.25 but less 5.0 (hourly AVG)	86.29%	97.45%	97.46%	97.46%	97.45%	97.54%	97.54%	97.44%	97.44%	98.87%	99.32%	99.89%
Effluent TOC < 2.0 mg/L (weekly) use lab data from LIMS	80.43%	77.27%	77.27%	75.00%	70.45%	64.44%	56.52%	55.56%	55.56%	46.67%	48.89%	44.44%
Langlier greater than -1.5 and less than 0.40 (Daily Average)	61.26%	62.79%	61.99%	67.00%	70.13%	73.49%	78.30%	85.50%	91.42%	85.50%	85.50%	83.60%
Geosmin concentration < 5 ng/L or >70% removal	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
SWGTP												
Turbidity less than or equal to 0.035 NTU (hourly max)	99.91%	99.87%	99.90%	99.86%	99.73%	99.71%	99.71%	99.71%	99.67%	99.58%	99.44%	99.43%
TDS > 205 ppm and < 262 ppm (Daily Minimum / Maximum)	98.85%	98.81%	90.94%	86.90%	83.33%	82.21%	82.21%	82.21%	79.34%	74.79%	74.27%	74.69%
By-Pass Turbidity < 0.065 NTU (hourly max)	90.43%	89.66%	86.86%	87.30%	86.82%	89.77%	86.89%	86.88%	86.55%	94.21%	96.59%	96.65%
Chlorine effluent residual between 0.65 and 0.85 mg/L (hourly min/max)	90.79%	91.02%	98.11%	98.52%	98.41%	98.38%	98.38%	98.37%	96.26%	93.32%	93.76%	93.34%
Langlier greater than .05 and less than 0.25 (Daily Average)	94.27%	94.44%	92.52%	87.30%	85.32%	81.03%	81.03%	81.03%	81.03%	71.85%	65.98%	66.94%
DISTRIBUTION SYSTEM												
All chlorine residual grab samples > 0.05 mg/L (grab samples only)	99.50%	99.37%	99.36%	99.81%	99.81%	99.81%	99.81%	99.81%	99.81%	99.81%	99.81%	99.81%
All HPC samples with a count < 150 mpn/100ml (confirmed samples)	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Chlorine residual at 2100 S between 0.3 and 0.7 mg/L (min/max hourly)	85.83%	85.15%	81.94%	83.93%	82.42%	82.42%	81.17%	82.29%	78.63%	77.36%	77.63%	73.51%
70% Feed location fluoride concentration 0.60 and 1.0 mg/L	87.40%	85.48%	83.01%	82.74%	81.37%	81.37%	81.10%	80.00%	79.73%	78.63%	86.30%	87.95%
In-feed fluoride concentration monitoring sites between 0.60 and 0.90 mg/L	69.59%	67.67%	67.67%	67.67%	67.67%	67.67%	68.77%	66.03%	66.03%	66.03%	66.03%	66.03%
Geosmin concentration < 5 ng/L or >70% removal	96.00%	96.00%	96.00%	96.00%	96.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
PERCEIVED WATER QUALITY												
Number of water quality related calls total	9	9	9	9	11	0	0	0	0	0	0	0
Number of water quality related calls (Retail)	1	0	2	1	3	0	1	0	2	1	0	1
Number of water quality related calls (Wholesale)	0	0	0	0	0	0	0	0	0	0	0	0

Although the Operations Department staff watch the amount of non-revenue water on a continual basis, a formal water audit is conducted annually according to the AWWA M36 Water Loss Control and Audit Standard methodology. The District's success in non-revenue water management over the years is shown in Figure 1.6. While these achievements are incredibly successful when compared to those of other large metropolitan water agencies, Operations Department staff have still identified improvements for implementation in the coming year that include meter replacement, data validation measures, and improved record keeping of water lost during

mainline breaks and maintenance projects. In addition, staff are looking into various water loss detection equipment that could be used to identify and address leaks in the system.

Figure 1.6



**Value Through November 30, 2023

2. Customer Satisfaction and Stakeholder Support

Customer Satisfaction

Customer satisfaction is a measure of how the services provided by the District meet or exceed its customer's expectations. The District's primary customer groups are its wholesale Member Agencies and retail customers. Both customer types must be carefully considered as they have differing service expectations and associated satisfaction goals. The FY 2024/2025 budget proposal considers the operations, maintenance, conservation, administration, planning, staffing, and technologies to meet or exceed the level of service Member Agencies and retail customers have come to expect from the District. Most performance indicators are designed to improve customer satisfaction, but some are specifically designed to evaluate it.

Member Agencies

To assess Member Agency satisfaction, the District regularly reaches out to Member Agencies informally but also conducts formal surveys every three years. The last survey in February 2022 was performed by a professional research firm that conducted in-depth interviews with Member Agencies about a broad range of issues that relate to the services provided by the District. Participants gave a high average rating of 6.25 out of 7-point scale to describe how well JVVCD has done at responding to the previous Member Agency survey conducted in 2019. Participants generally feel that Jordan Valley Water is responsive to their needs and that the organization does well at responding in a timely manner and following up on concerns. The changes in each of the areas are summarized in Figure 2.1.

Figure 2.1

How would you rate Jordan Valley Water Conservancy District on the following areas?			
<i>Average mean ratings based on a scale where 0 = needs improvement, 1 = meets expectations, and 2 = exceeds expectations</i>			
	2019	2022	Difference
Overall service, water deliveries, and water quality	1.25	1.50	+0.25
Water supply and drought contingency plan*	1.50	1.33	-0.17
Capital improvement program	1.08	1.25	+0.17
Financial plan and water rate practices	0.83	1.17	+0.34
Conservation programs, grants, and strategies**	1.50	1.08	-0.42
Frequency and content of communication	1.08	0.92	-0.16

Note: The numbers illustrated above are for visual and comparative purposes only. Due to the small sample size, the results illustrated here are not to be interpreted as statistically valid.

** "...drought contingency plan" added in 2022*

*** "...including efforts to encourage adoption of water efficiency standards" added in 2022*

These results show broad Member Agency support for the level of service outlined historically and affirms a FY 2024/2025 budget proposal without significant alterations from previous years. However, the survey did highlight some areas of additional focus as follows:

- Provide more opportunities for collaboration and discussion with Member Agencies. Continue to meet with Member Agencies at the Annual Member Agency Meeting and make plans for an annual visit with each Member Agency to discuss individual needs.
- Offer JVVCD staff assistance to Member Agencies for periodic meetings on special topics or the development of Member Agency planning initiatives (ex. drought contingency plans, water conservation plans, general plans, etc.).
- Add drought contingency plans to the Member Agency Grant Program as an acceptable Tier 2 grant opportunity.
- Consider extending the supplemental Member Agency Grant Program for those that have adopted the Water Efficiency Standards from 3 years to 5 years.
- Work with Member Agencies to assess the status of shared equipment and infrastructure in aging parts of the service area.
- Develop a water reuse strategy as a potential future supply in conjunction with the probable impacts the strategy could have on Great Salt Lake.

Retail Customers

For the retail service area, the District tracks, monitors, and reports on its response to critical customer service issues. These issues can include concerns about water pressure, water quality, leaks, service disruptions, and security. Response assignments for these types of calls are to be made within two hours. The frequency and severity of calls like this do not indicate a need for major budgetary adjustments. Figure 2.2 provides a breakdown of the types of water quality related calls received during 2022/2023, there were a total of twenty-two calls. Figure 2.3 provides a breakdown of the types of water service calls received during 2022/2023, there were a total of 258 calls related to operations.

Figure 2.2

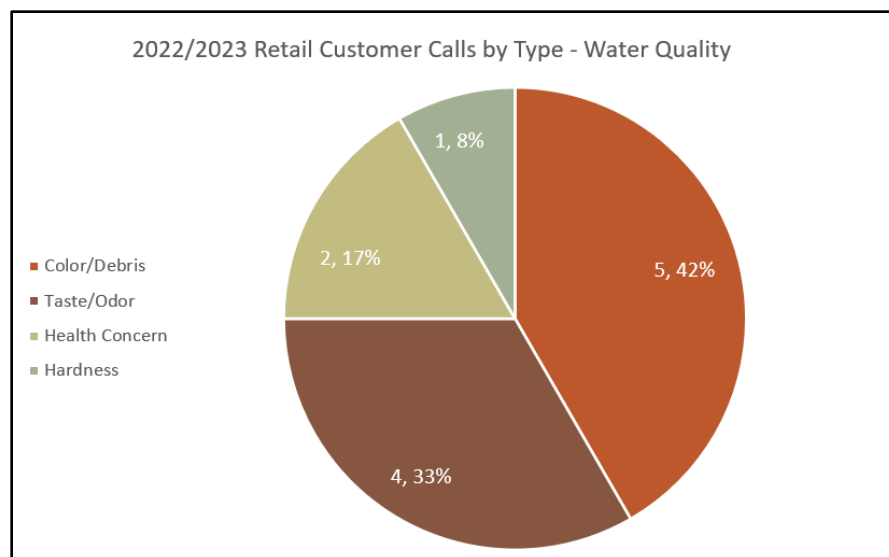
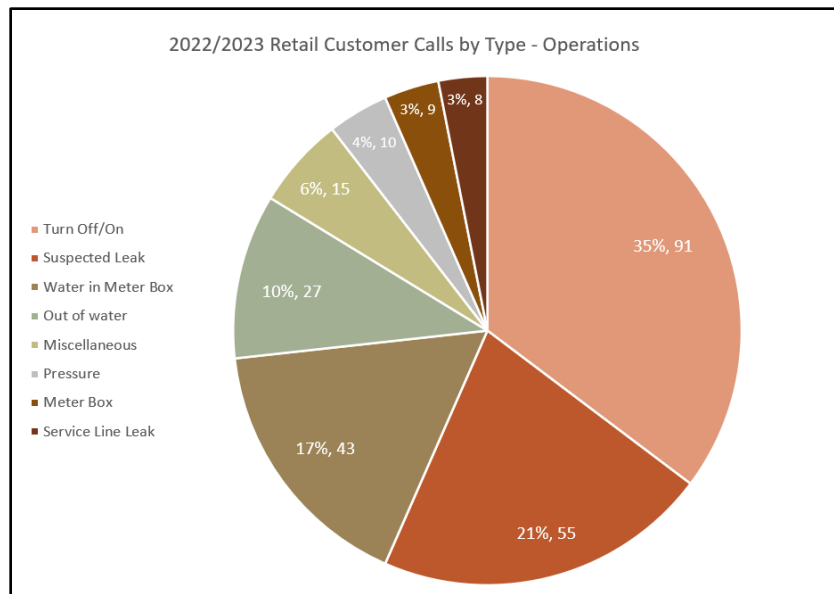


Figure 2.3

Regular surveys with retail customers are also performed and evaluated every five years to identify opportunities for improvement. The last of these was conducted in November 2018 and a new one is expected to be performed in FY 2024/2025.

Stakeholder Support

As the District begins adopting the new Strategic Plan, additional focus and resources will be required to expand stakeholder understanding and support. Some areas of need are related to recent turnover and changing opportunities and threats. As such, the FY 2024/2025, may require additional consulting services to augment any grant fulfillment, outreach, media relations, or content production needs.

Our strategies, reflective of the new areas of strategic focus, are designed to engage diverse audiences, ranging from policy-making bodies to the community we serve.

Legislature:

Aligned with our strategic initiative to foster collaborative planning, we will continue our involvement in the Prepare60 initiative alongside Utah's leading water conservancy districts. Prepare60 is integral to our legislative relationships, having already delivered a statewide water infrastructure plan and resources like the municipal manual for water management. Additional budget consideration may be needed to enhance these efforts in the next fiscal year budget including any essential legal services.

Member Agencies:

Consistent with our strategic goal of enhancing communication channels, we will host regular meetings with Member Agencies. The latest Member Agency survey underscores the importance of these interactions, and we plan to organize a minimum of three significant communications per year with each agency as part of our action plan.

Employees:

A strong focus on employee satisfaction and engagement will once again play a critical role in informing our management practices, as per our strategic focus on nurturing an environment of professional growth. We anticipate a series of new action plans and key performance indicators related to supporting this critical stakeholder in the District's success.

Regulatory Agencies:

In the realm of compliance and advocacy, we will sustain a constructive dialogue with regulatory agencies. Our budget provisions for continuous regulatory engagement will facilitate adherence to evolving standards and inform our contributions to policy development. This partnership ensures our operations not only meet current regulations but also anticipate future governance trends.

Environmental Groups:

Recognizing the critical intersection between water management and environmental stewardship, we will allocate funds to foster alliances with environmental groups. Through collaborative projects and shared initiatives, we aim to enhance our ecological footprint, advocate for conservation, and integrate sustainable practices into our strategic operations.

Community Organizations:

Our engagement with community organizations is vital for grassroots support and public education. We will invest in community outreach programs and local partnerships, underpinned by our budgetary commitment to these alliances. These collaborations will amplify our conservation messaging and facilitate community-led water stewardship efforts.






















Emergency Services:

Collaboration with emergency services is essential for ensuring water security and managing crises. Our budget will support joint exercises, shared planning, and emergency response readiness, fortifying our collective preparedness for water-related emergencies. This interagency cooperation is key to safeguarding our communities against unforeseen water system challenges.

The Public:

Our commitment to stakeholder understanding and support extends to the public, with whom we communicate through annual reports and regular updates on water quality and operations. The positive tone of media coverage in 2023 will be sustained and built upon, leveraging our social media platforms in line with Figure 2.4's strategy. The budget for FY 2024/2025 will include provisions for advertising to amplify our reach and engagement with the community.

Figure 2.4

	 JORDAN VALLEY WATER CONSERVANCY DISTRICT	 GARDEN PARK	 Local scapes	 Utah Water Savers
Brand Voice	Authoritative & informational	Informal but informative	A friendly, helpful mentor	Knowledgeable and helpful guide
Purpose	Educate and create trust. Establish District expertise to solve water-related challenges. Crisis and general communication with stakeholders.	Build an engaged following for conservation in general and the CGP in specific. Promote Garden programs & attendance.	Grow an engaged following, statewide, to share the method, bring advocates to the brand and empower individual action.	Advertising rebates & rewards for conservation-related activities. Provide guidance through the technical application process.
Target Audience	JVWCD Service Area	JVWCD Service Area	Statewide Audience	JVWCD Service Area for paid ad traffic.
PLATFORMS				
Facebook				
Twitter				
Instagram	 2020			
YouTube				 2020
Google Ads			 2020	

3. Employee and Leadership Development

Efforts in this category are important in preparing for leadership succession planning through all levels of the District. The District is mindful of the number of employees who have retired or will be retiring soon. The following training programs were implemented during FY 2022/2023 to minimize skill gaps and prepare employees for future positions.

Leadership Programs

The Systems Tours Leadership Program helps employees better understand the District's overall operations and further familiarize interested employees with the District's water sources, distribution systems, and treatment facilities. It is conducted quarterly for a length of two years. The program is limited to 16 participants to help provide a better networking experience and to avoid any travel logistical issues.

In January 2023, a new group of 16 employees (including one manager and one supervisor) began the program. Their first session included a visit to the Jordan Aqueduct Reach 4, Olmsted Diversion, Murdock Diversion, and the Jordan Aqueduct 4 Flow Control Structure. This group will complete the program in October of 2024.

The program consists of eight District system tours (one tour each quarter) over two years. Below are the facilities included in the program, including a newly added session regarding the Conservation Garden, Engineering, and administrative projects.

1. Jordan Aqueduct Reach 4, Olmsted and Murdock Diversions, and the JA-4 Flow Control Structure,
2. Irrigation Water Delivery System
3. Water Sources and Supply System
4. Southwest Groundwater Treatment Plant and Well Supply Systems
5. Metropolitan Water District of Salt Lake & Sandy Facilities
6. Central Water Project (CWP) and Distribution System and Facilities
7. Southeast Collection and Treatment Plant Systems
8. Conservation Garden, Engineering, and Administration Projects

When all sessions are completed, the group will celebrate with a ceremony where they receive a plaque. During this event, employees will share their experiences and what they learned from the program. It will help solidify their purpose in what they do with the goals of the District. Their managers will also be able to share how this program has helped their employees better understand the mission of the District and the importance of their involvement in their current positions. We are working to create a new schedule that will allow the program to be finished sooner than two years and increase employee participation. This new program will probably begin in January 2025.

The District's Elective Training Program is a training program geared toward topics from employees' interests and District needs. This program began in July 2021 and provides developmental topics for all employees according to their needs. The following topics were presented during FY 2022/2023. These training sessions were well attended by staff and were provided by management. A new list of topics has already been chosen for the upcoming fiscal year.

1. Understanding the District’s Distribution/Transmission, and GIS System
2. Mentoring vs. Coach – Understanding the difference and our role in each
3. Optimizing District Benefits
4. Developing a Career Path
5. Building Trust-Based Relationships

The ChamberWest Leadership Institute is a program that aims to foster professional and personal growth among leaders while encouraging an entrepreneurial mindset to create a better community. The program covers a range of leadership topics, including customer service, team building, and strategic planning. During FY 2022/2023, Brad Boren and Clifton Smith from the District staff attended the program.

The Management and Supervisory Leadership Program, also known as the Management Institute, offers leadership programs to public utility entities. The institute conducts both basic and advanced sessions virtually and in person. These sessions cover various topics such as ethical leadership, emotional intelligence, change management, collaboration, conflict resolution, and decision-making. In FY 2022/2023, the program was attended by four District employees, namely Sophia Riffo-Jenson, Brad Perez, Ryan Jeffs, and Bryan Smith.

The Leadership Forum Program was developed by the American Water Works Association (AWWA) Intermountain Section as a leadership development program to help the water industry prepare future leaders.

This intensive and educational program prepares staff to assume potential leadership roles in their organization. The ten-month program focuses on the budgeting process, communication skills, public relations, legal and regulatory affairs, and collaboration, among other leadership topics. Table 3.1 shows the three external leadership programs and those that participated.

Table 3.1

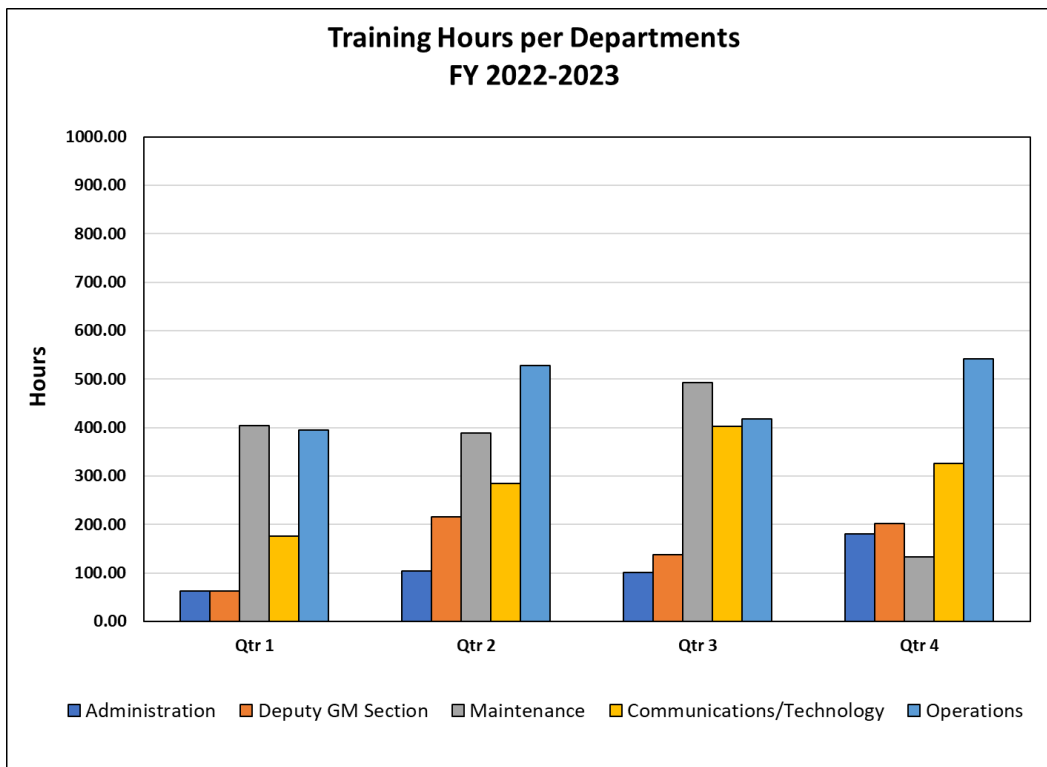
AWWA Leadership Forum Limit (2)		Management Institute (Chuck Christensen)		Leadership Institute (Chamber West)		Systems Tours Leadership (JVWCD)
2022-2023	\$1,500	2022-2023	\$1,996	2022-2023	\$1,998	2023-2024
• Cynthia Bee		• Sophia Riffo-Jenson (Basic)		• Brad Boren		• Aubrey Menon
• Josh Shrewsbury		• Brad Perez (Basic)		• Clifton Smith		• Kelly Good
		• Ryan Jeffs (Basic)				• Natalie Boyack
		• Bryan Smith (Phase III)				• Ben Perdue
						• Conor Tyson
						• Todd Peterson
						• Jordan Tomsic
						• Andy Adams
						• Lisa Kasteler
						• Ryan Jeffs
						• Vai Eteaki
						• Annette Mills
						• Kailob Szarek
						• Kolby Parman
						• Jacob Young

Succession Plan for Entry-Level Employees

Onboarding is provided for all new employees. The Human Resources team focuses on welcoming and providing the appropriate information needed for our new employees. Our Safety Manager touches on the importance of working in a safe environment and how everyone takes part in accomplishing the District’s safety goals. The District’s Training Specialist provides training on the District’s websites, important first-day logistical items such as computer logins, emails, District website information, tuition assistance program, wellness program, training in general, timesheets, navigating through the intranet, and other important information needed to provide a successful onboarding experience.

Figure 3.1 describes the level of training to date among District employees, by department, over the last fiscal year. This level of training is intended to be dispersed among all District employees to provide at least 40 hours of meaningful training for each employee per year.

Figure 3.1



Another important program for employee and leadership development is the Tuition Assistant Program. The Board has previously approved the IRS maximum tuition reimbursement amount per year. This is projected to continue in the coming year. The following figures describe the success of the Tuition Assistant Program, with oversight by the District Training Specialist. Figure 3.2 shows the number of employees who attended college during FY 2010/2011 through 2023. It is estimated that twelve employees will be attending college using the tuition assistance program in FY 2024/2025.

Figure 3.2

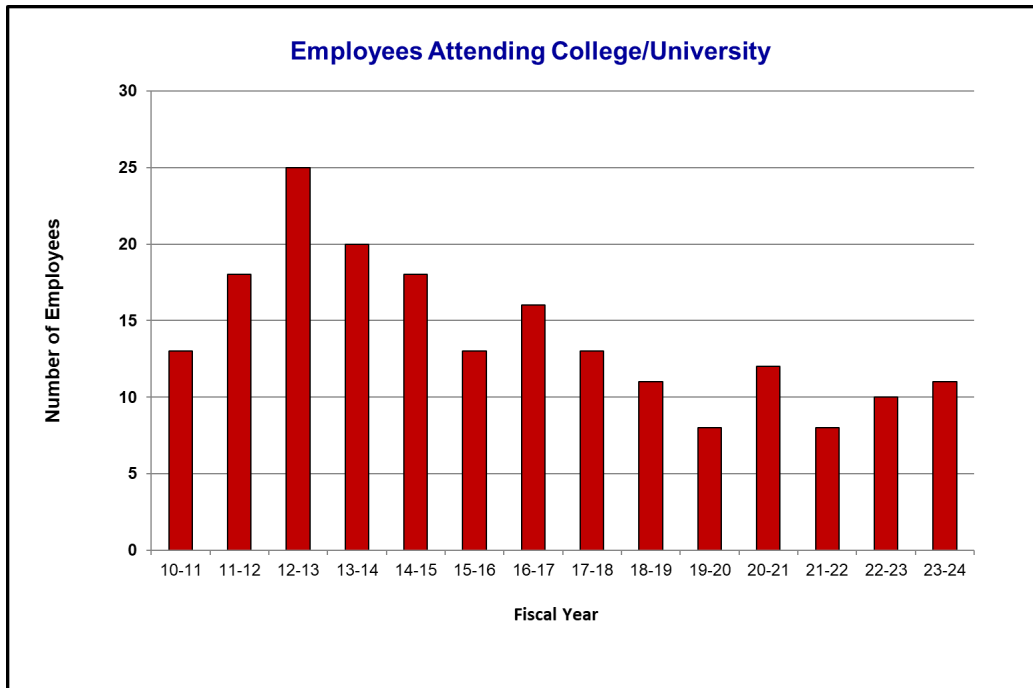


Figure 3.3 shows the historical progress of the District Tuition Assistance Program from FY 2010/2011 through FY 2022/2023, including the number of employees attending college, the number of employees who submitted a budget request, the total dollar amount requested, the total dollar amount reimbursed to District employees, and projected reimbursements for each year.

Figure 3.3

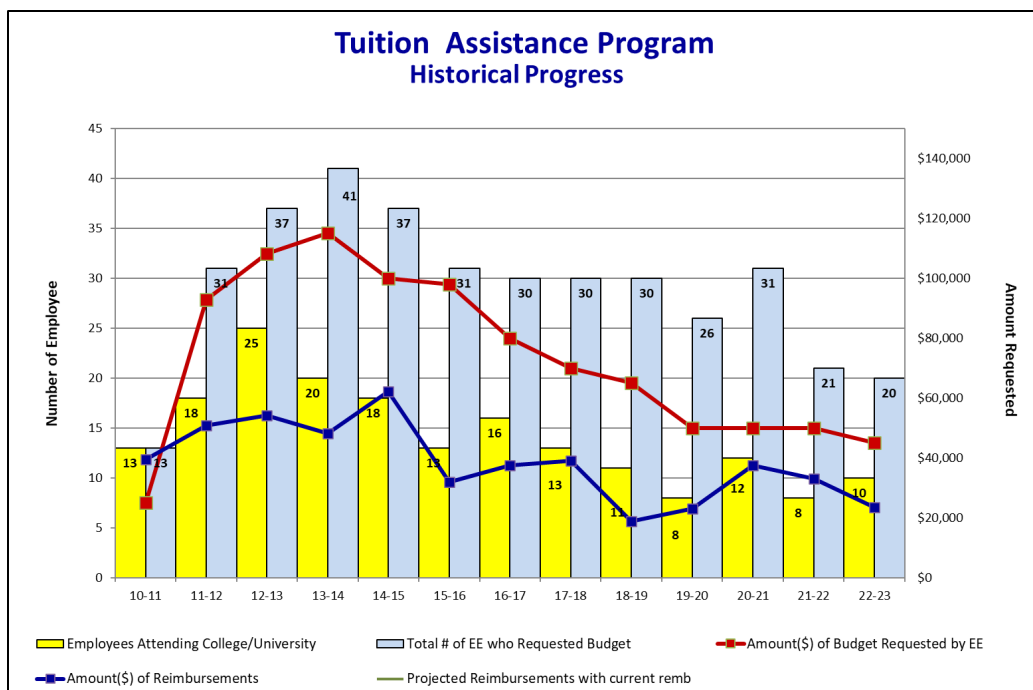
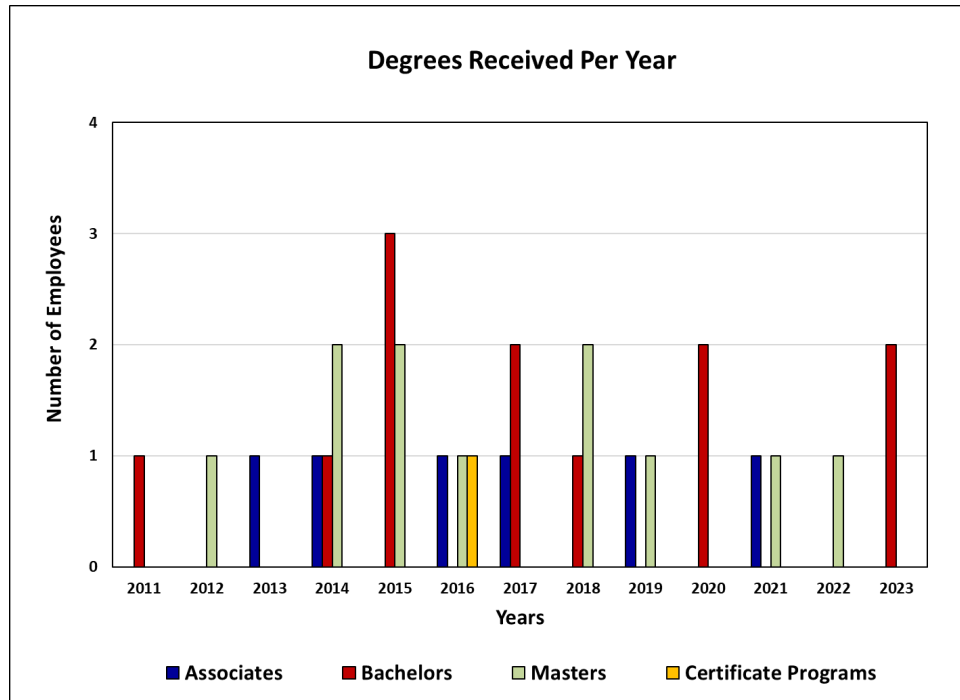


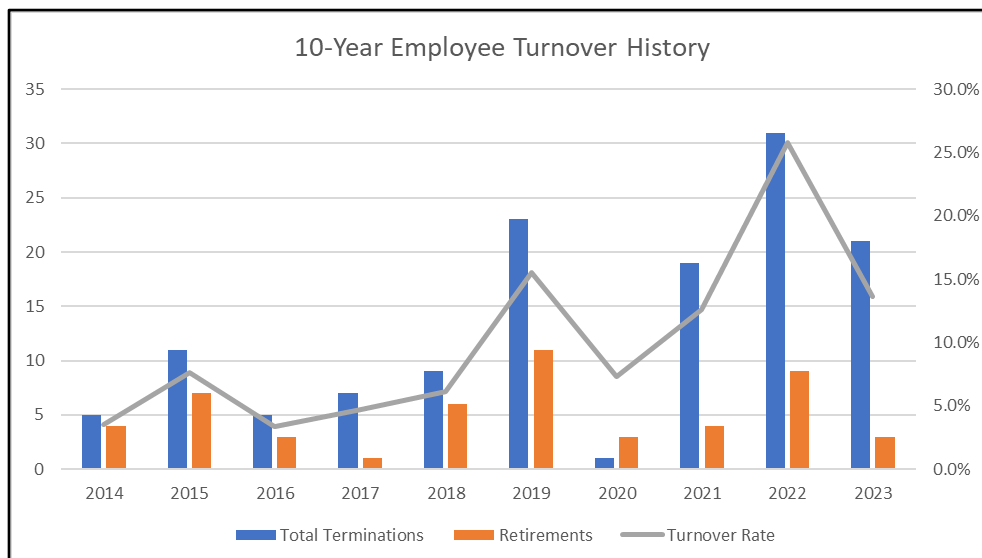
Figure 3.4 shows the number of District employees who graduated with degrees while utilizing the Tuition Assistance Program from 2011 through 2023, as well as the degrees received. There has been a total of 30 degrees/certifications completed in the last twelve years.

Figure 3.4



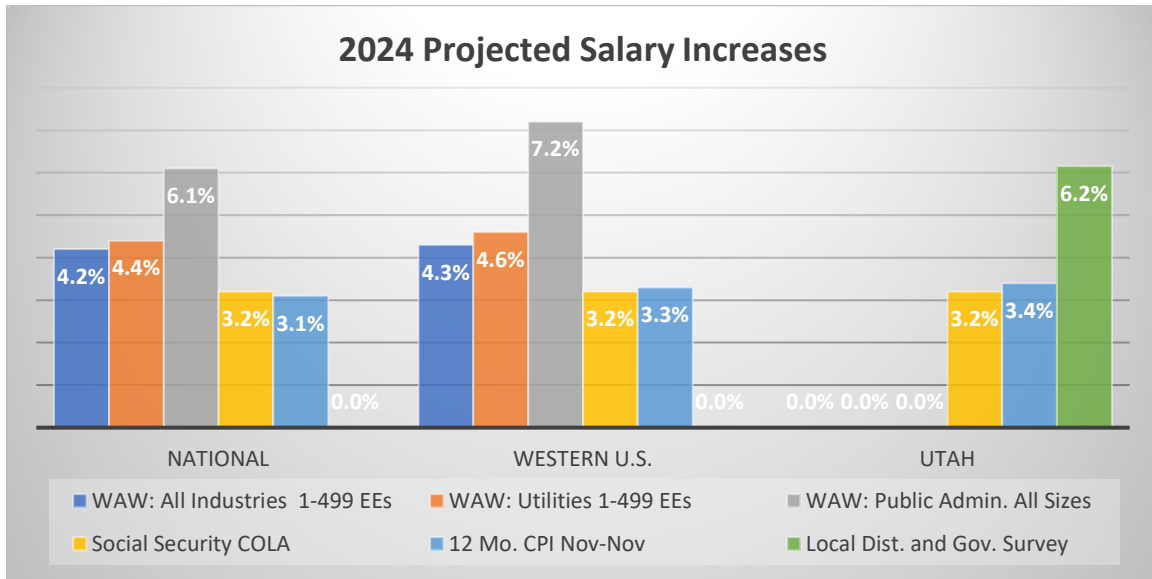
Part of the District’s strategic plan is to retain skilled District employees longer than the industry average. Figure 3.5 describes the turnover rate at the District, which historically has been below 10%. Post-pandemic and volatile economic circumstances have impacted the national workforce turnover rate more recently; however, the District continues to strive to succeed in its strategy to retain skilled employees.

Figure 3.5



Staff will propose an appropriate wage increase based on the 2023 Bureau of Labor Statistics Consumer Price Index (CPI) and Employment Cost Index and salary budget surveys from WorldatWork (WAW) and the Employers Council. Staff will also survey Member Agencies and comparable water districts to assess trends in wage increases. This will help ensure that the District can continue to attract and retain a first-rate workforce. Figure 3.6 shows results of a 2023/2024 WAW Salary Budget Survey (conducted Spring 2023) showing the projected salary increases in various comparable entities in comparison to more recent COLA and CPI data. Note: 0.0% indicates there was insufficient data from the survey.

Figure 3.6



These expenditures for achieving the level of service required through District training and compensation will be projected in the FY 2024/2025 budget proposal.

For FY 2024/2025 there are three newly authorized positions, and a position change, being recommended. The recommendations are as follows:

Maintenance Department

The three newly authorized positions recommended for this department are a Jordan Aqueduct Pipeline Maintenance Worker, a Jordan Aqueduct Pipeline Maintenance Lead, and a Facilities & Grounds section Maintenance Worker. As District infrastructure continues to age and at the same time expand, and Pipeline Maintenance section responsibilities continue to increase, the two Jordan Aqueduct positions are recommended to maintain the level of service necessary to assure facilities achieve the maximum feasible service life. The Facilities & Grounds Section continues to struggle to hire and retain experienced maintenance workers, all while increasing the number of facilities and associated sites this section is responsible for maintaining. While responsibilities continue to increase, the number of staff has not. To try to keep up, staff overtime hours continue to increase, and some needed work continues to be less frequently addressed. An additional Maintenance Worker position in this section will help address these two issues.

Communications & Technology Department

The Customer Services section is a small team of four employees who provide service to an enormous customer base. This section includes an Administrative Assistant I/Receptionist, two Customer Service Representatives, and a Supervisor. Employees working in this section tend to enjoy their work but often move on to other District positions, seeking career growth opportunities not available within Customer Services. This small section experiences continual turnover and is in a constant mode of training new employees. Just as Customer Service Representatives are trained and functioning efficiently, they tend to seek and move onto other positions within the District. The recommendation changes of one of the Customer Service Representative positions to a Lead Customer Service Representative will create a career path within the section, ideally allowing employees to stay in Customer Services while enhancing their career growth opportunities.

Other Employee Retention Efforts

The District strives to offer a competitive total compensation package including salary, health, and retirement benefits. The availability of paid parental leave is becoming a more common benefit available in the workplace and staff plans to evaluate this issue further. Pending the results of that evaluation, the budget proposal may include a recommendation to implement a parental leave benefit.

4. Financial Viability

This is also an important attribute for the District's reliability and financial stability. The Board has established an infrastructure Replacement Reserve Fund, and staff has established a performance indicator of funding 100% of annual replacement project costs with Pay-Go capital. Recent funding and spending of the Replacement Reserve Fund is illustrated in Figure 5.2 of the Infrastructure Stability and Performance section. Fiscal year 2024/2025 will project continued funding of replacement costs from the Replacement Reserve Fund.

Long-term planning is important for the stability of the District and providing the level of service expected by District customers. A graph summarizing the District's preliminary Ten-Year Capital Projects Plan to be considered in the upcoming budget process is included in Appendix A. The District's preliminary Ten-Year Financial Plan is included in Appendix B.

The District's strategy for funding capital projects is to use Pay-Go capital to fund annual replacement project costs, and other capital projects are to be financed through issuing bonds. The FY 2024/2025 budget will include the generation of net income from operations to provide Pay-Go capital for budgeted replacement projects.

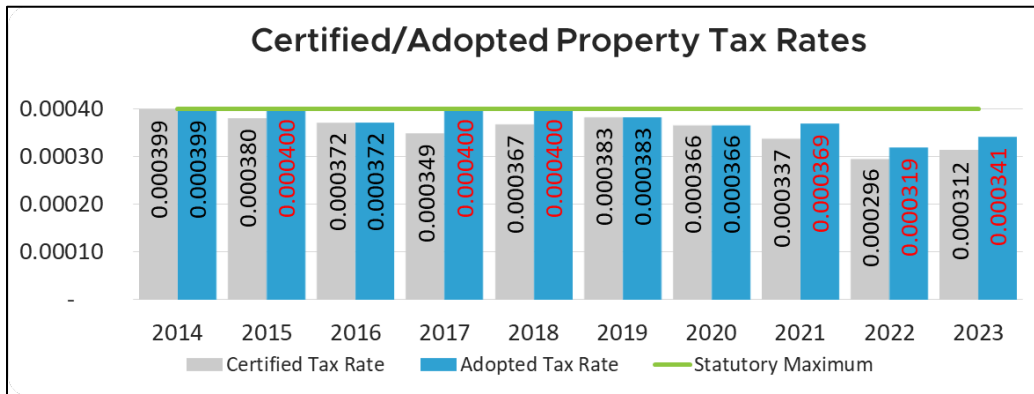
In using borrowed funds for building new capacity and supplies, the District's credit rating strength is critical. Table 4.1 shows the history of credit ratings for the District from two of the major national rating agencies.

Table 4.1

BOND RATINGS HISTORY		
Bond Series	Standard & Poors	Fitch Ratings
2010	AA+	AA
2011	AA+	AA
2013	AA+	AA
2014	AA+	AA
2016	AA+	AA+
2017	AA+	AA+
2019	AA+	AA+
2021	AA+	AA+
2024	AA+	AA+

An important part of the revenue plan for FY 2024/2025 will be property tax revenue. This provides revenue stability and helps to meet bond covenants for debt service and repayment of water revenue bonds. Figure 4.1 shows the ten-year history of the District's property tax levy rate. District staff will hold discussions with the Board regarding the role that property tax will play in the coming years as the District's capital and bonding needs are increasing. A property tax rate increase for FY 2024/2025 is not anticipated, but these discussions will identify whether the District will accept the certified property tax rate for the coming FY 2024/2025, or if a property tax increase will be pursued.

Figure 4.1



The FY 2024/2025 budget proposal will include provisions for maintaining District strength in its debt service coverage ratio. Figure 4.2 shows the ten-year history of the debt service coverage ratio compared with the performance level of greater than 1.3. To ensure the District's debt does not increase too quickly, the District tracks the long-term debt to equity ratio. Figure 4.3 shows the long-term debt to equity ratio history over the last ten years, compared with the performance target of holding the ratio to less than 1.2.

Figure 4.2

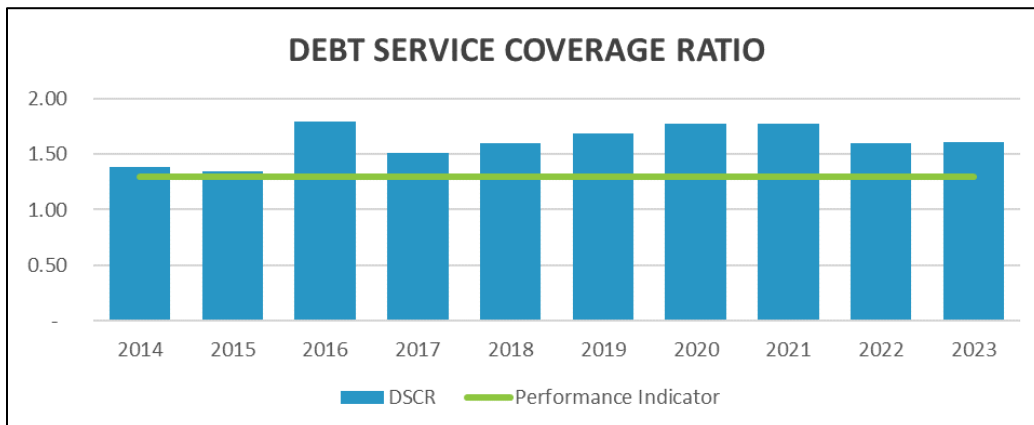
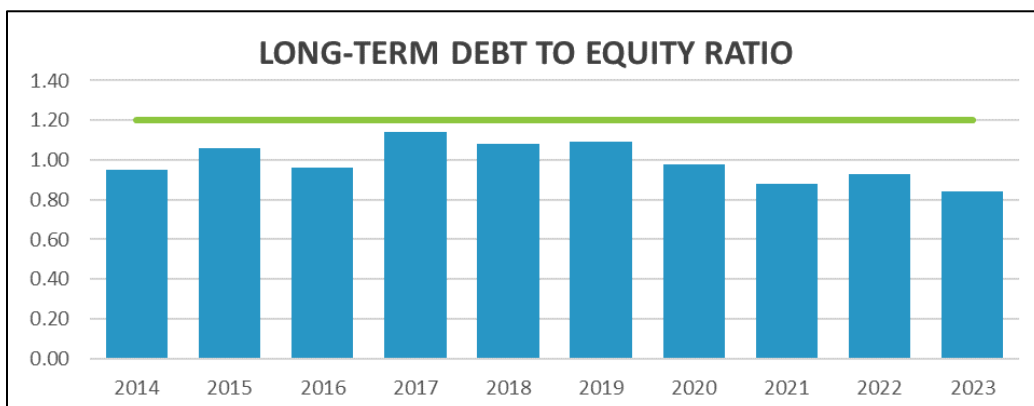


Figure 4.3

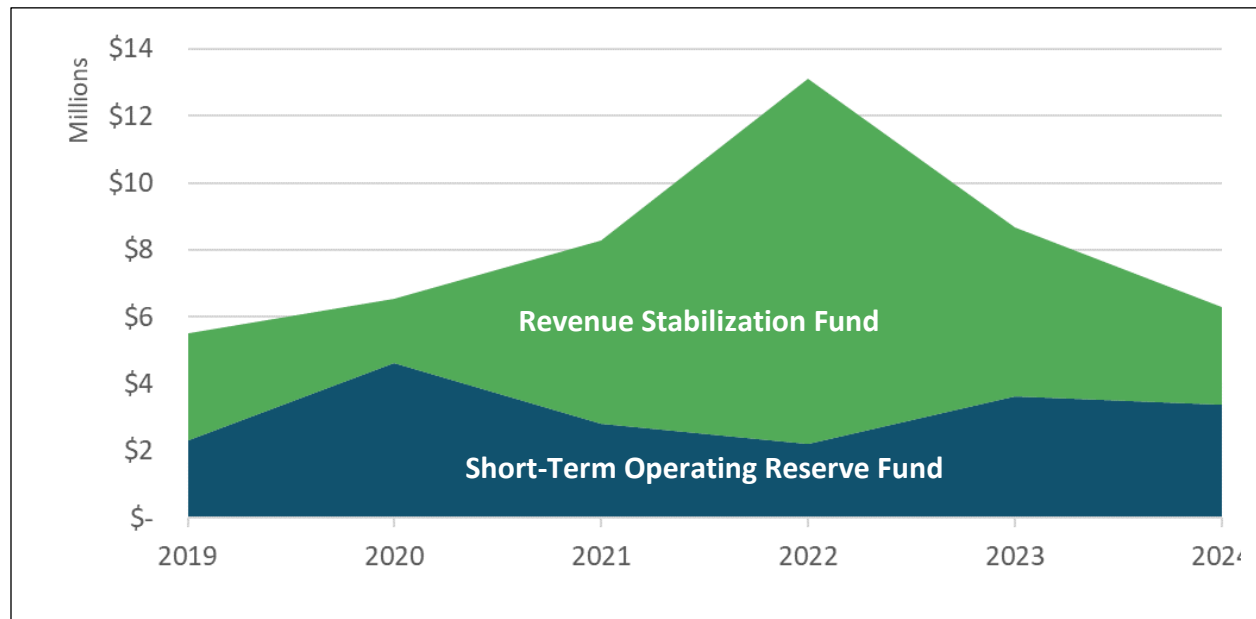


Each year the District updates its water rates based on a cost of service analysis. Rates are designed based on actual costs incurred by the District. In 2023, the average cost of service was calculated to be \$579.15 per acre-foot (AF) (excluding customer-related meter charges).

The Revenue Stabilization Fund was established in January 2019 as a reserve fund, and in 2023 the Short-Term Operating Reserve Fund was established as a sub-account. Funding into the Revenue Stabilization Fund is from annual Pay-Go generated from operations when excess revenues are higher than budgeted, and funding into the Short-Term Operating Reserve Fund is from annual Pay-Go generated from operations from unspent Operating & Maintenance expenditures and differences in debt service payments. The Revenue Stabilization Fund can be used in future years to offset and smooth out the impact from water rate adjustments, funding of capital projects, reducing debt, or other purposes approved by the Board. Funding of the Short-Term Operating Reserve Fund is anticipated to be used in the following fiscal year as a source of funds. Table 4.2 shows a summary of the funding and use of these two funds. The fund balance as of December 2023 is \$6.3 million.

Table 4.2

Fiscal Year	Revenue Stabilization Fund				Short-Term Operating Reserve Fund				Reserve Funds Total
	Revenues > Budgeted	Fund Interest Income	Uses/ Transfers	Balance	Unspent O&M	Debt Service Difference	Uses/ Transfers	Balance	
2019	\$ 3,143,907	\$ 65,943	\$ -	\$ 3,209,850	\$ 2,309,114	\$ (1,165)	\$ -	\$ 2,307,949	\$ 5,517,799
2020	\$ 456,207	\$ 90,309	\$ (1,845,691)	\$ 1,910,675	\$ 3,636,547	\$ 987,154	\$ (2,307,949)	\$ 4,623,701	\$ 6,534,376
2021	\$ 3,611,928	\$ 35,048	\$ (75,426)	\$ 5,482,225	\$ 2,586,721	\$ 222,129	\$ (4,623,701)	\$ 2,808,850	\$ 8,291,075
2022	\$ 5,432,857	\$ 57,853	\$ (75,523)	\$ 10,897,412	\$ 1,674,574	\$ 547,627	\$ (2,808,850)	\$ 2,222,201	\$ 13,119,613
2023	\$ -	\$ 317,871	\$ (6,179,907)	\$ 5,035,376	\$ 3,182,386	\$ 466,192	\$ (2,222,201)	\$ 3,648,578	\$ 8,683,954
Projected 2024	\$ -	\$ 90,015	\$ (2,214,874)	\$ 2,910,517	\$ 3,524,090	\$ (137,154)	\$ (3,648,578)	\$ 3,386,936	\$ 6,297,453

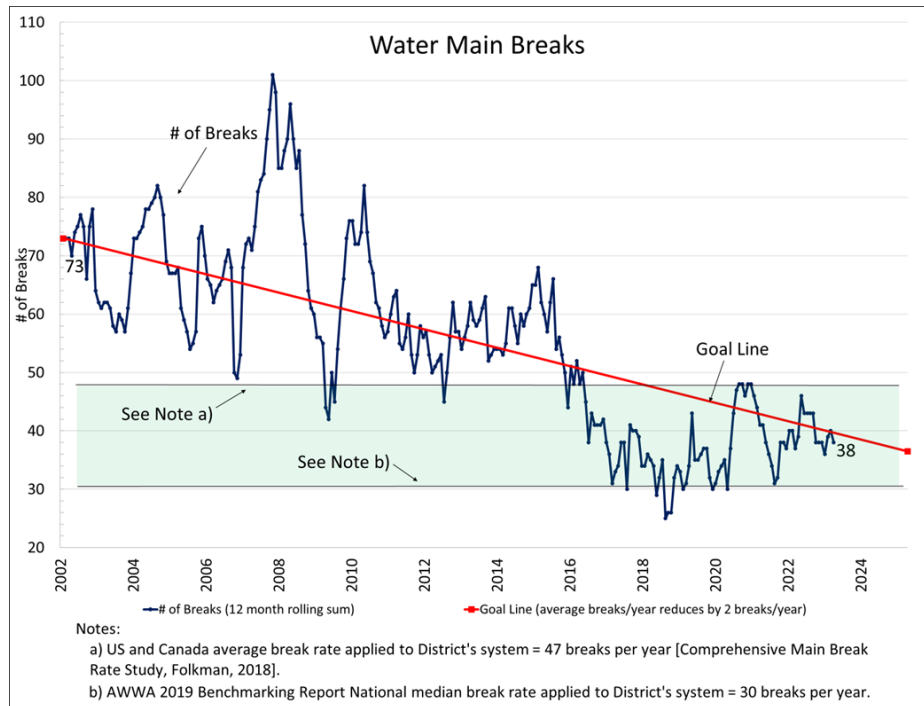


5. Infrastructure Stability and Performance



Most of the District’s infrastructure is underground in the form of pipelines and associated accessories (e.g., valves, fillings, vaults, etc.). There is also a substantial inventory of above-ground assets (e.g., buildings, mechanical equipment, storage tanks, site improvements, etc.). The District accomplishes infrastructure stability through reactive and preventive maintenance activities. For example, over the past several years, the District has made significant investments to replace aging cast iron distribution pipelines. As shown in Figure 5.1, these investments have brought the number of breaks to within the desired range. However, for the past three years, the average number of breaks has remained fairly constant, so if the breaks do not begin to trend down the coming year we may need to increase renewal and replacement efforts.

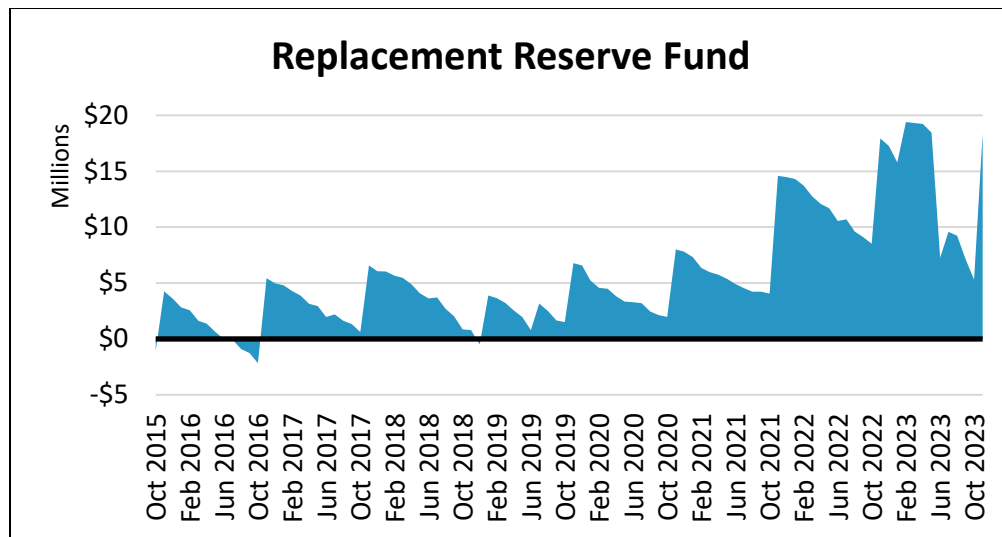
Figure 5.1



In accordance with Utah law 17B-2a-1010, Capital Asset Assessment, Maintenance, and Replacement Policy, the District submitted its first Qualified Capital Asset Report in December 2017 and recently submitted its second report in December 2022. The Report summarizes the inventory of the District’s capital assets and includes cost estimates for repair and replacement.

The District has implemented budgeting policies to use operating revenues (Pay-Go capital) to pay 100% of the costs to repair, rehabilitate, and replace its capital assets (capital projects category CPI). A repair and replacement (R&R) reserve fund was established several years ago, and all CPI category expenditures are made from this fund. Figure 5.2 shows how the balance of the R&R reserve fund has fluctuated with deposits and Pay-Go capital and expenditures.

Figure 5.2



Maintenance and Engineering Department staff are steadily working on projects to complete the necessary preventive maintenance work or replacement work (e.g., vault piping, steel reservoir repainting, concrete reservoir joint sealant replacement, water treatment plant equipment replacement, etc.). In addition, the District’s inventory of capital assets continues to grow with the pending completion of significant projects such as the 10200 South Pump Station, 5200 W & 6200 S Storage Reservoir, and 11800 South Storage Reservoir. Figure 5.3 shows the depreciated book value of the District’s capital assets over the past several years.

Figure 5.3

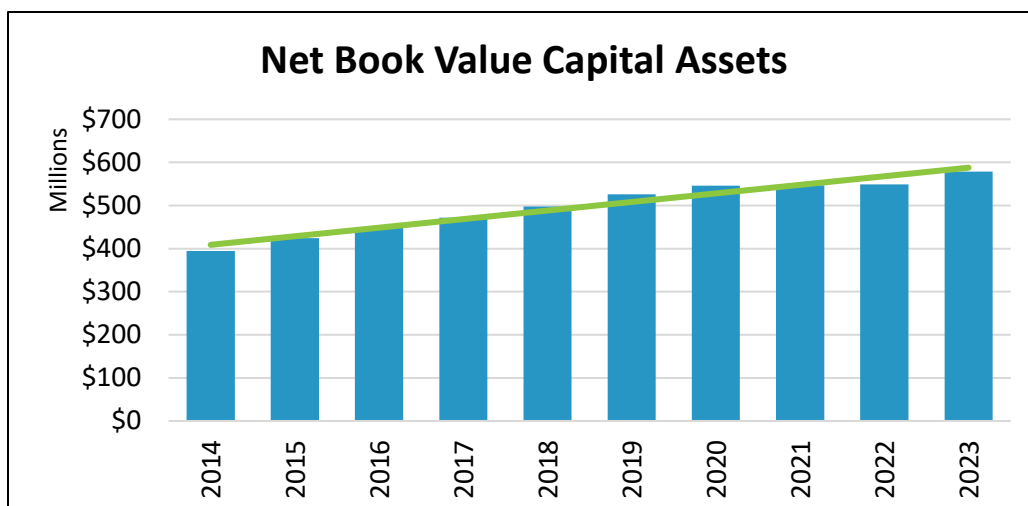


Figure 5.3 illustrates the increasing need to perform preventative maintenance to prolong the life of our existing assets as far as possible and to complete repair and replacement capital projects. Maintenance needs to maintain system reliability goals have exceeded the capacity of the Maintenance Department resources, and additional hiring is needed to maintain our desired level of service.

Vehicle Replacement Plan

While vehicle replacements are not necessarily defined as District infrastructure, a reliable and well-functioning fleet of vehicles is essential to the efficient operations and maintenance of the District's infrastructure. To maintain a reliable fleet of vehicles in the most cost-effective manner, staff plans to replace the vehicles listed in Table 5.1 in FY 2024/2025. In addition, Table 5.2 shows new vehicles staff are proposing be added to the fleet to accommodate the needs of additional or modified positions that are proposed for FY 2024/2025.

Overall, the proposed vehicle plan is one vehicle more than the District's five-year average of seven vehicles per year and the overall budget will be higher than past years, mainly due to:

- Continued increases in vehicle costs due to supply chain issues and demand backlog.
- The need to replace an undersized and underutilized dump truck that is incurring age-related reliability issues.
- Need to procure new fleet vehicles due to recently added or proposed positions and/or position responsibility changes (Table 5.2).

Table 5.1

No.	Description	Year	Current Mileage	Maintenance Costs FYTD	Department	Reliability Issues and Concerns
701	Dodge ½-Ton Ext-Cab 4x4 Pickup	2011	139,861	\$4,735.93	Maintenance	High miles, normal age/reliability issues of 12-yr old vehicle, and front-end issues.
702	Dodge ½-Ton Ext-Cab 4x4 Pickup	2011	141,896	\$4,140.60	Conservation	High miles, normal age/reliability issues of 12-yr old vehicle, and front-end collision.
409	Nat 4400 Dump Truck	2004	62,782	\$12,38.93	Maintenance	Normal age/reliability issues of 20-yr old vehicle & underutilized due to being undersized.

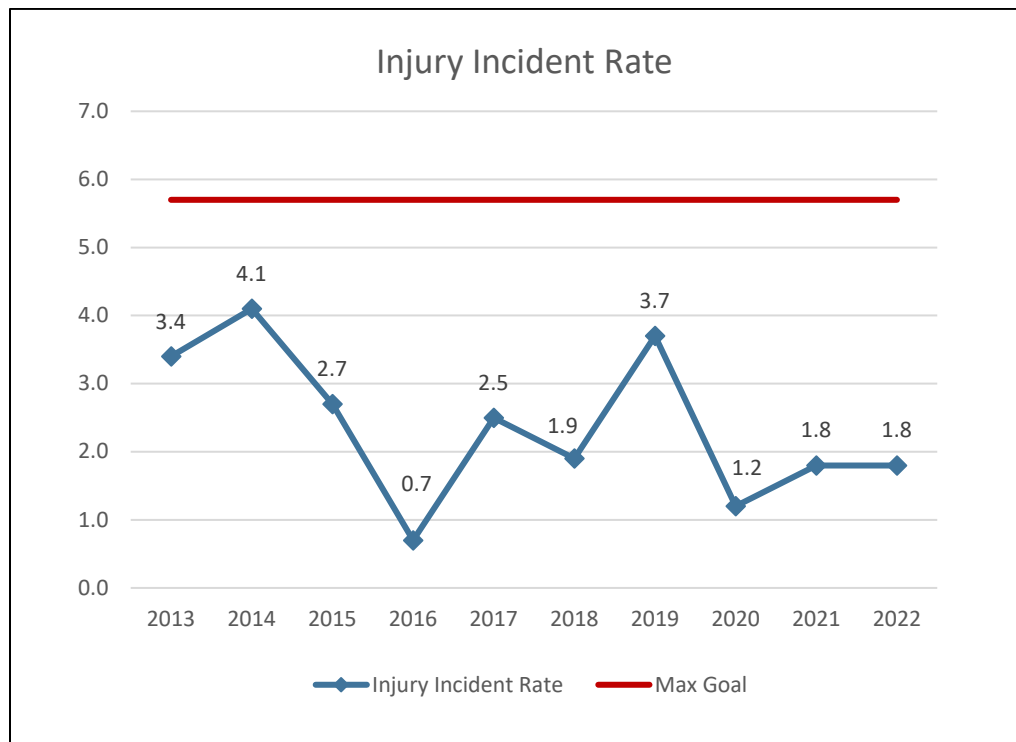
Table 5.2

Description	Department	Position	Additional Needs
SUV	Operations	Water Quality Technician	A new position was added in FY 2023/2024 needs a dedicated vehicle to complete water sampling and testing on lead water lines as part of the new Lead and Coper Rule requirements.
½-Ton Ext-Cab 4x4 Pickup	Operations	SWGWT Staff	Staff will be taking on RO well operations responsibilities, that system ops staff previously addressed, and need a dedicated vehicle to address the needs at the remote RO well sites.
½-Ton Ext-Cab 4x4 Pickup	Operations	System Operations Supervisor	System operations is proposing an additional Supervisor position by repurposing and existing Senior Lead position to split the group with one focusing on the distribution system and the other on the water supply system.
½-Ton Ext-Cab 4x4 Pickup	Maintenance	Pipeline Maintenance Supervisor	During FY 2023/2024 and FY 2024/2025, two additional positions are proposed for the Pipeline Maintenance Section by repurposing existing FTEs or adding additional FTEs. This is to facilitate splitting the PLM Section into two groups (over distribution pipelines and over aqueduct pipelines). This requires an additional supervisor and vehicle.
SUV	Conservation	Outreach Coordinators	Conservation staff and outreach consultation visits have dramatically increased requiring an additional dedicated vehicle.

6. Enterprise Resiliency

This attribute involves identifying and mitigating various risks to the District to ensure a safe environment for our employees and reliable continuity of service for our customers. District performance indicators involve tracking employee injury incidents and near misses. The goal is to have a maintain a low incident rate well below 5.7 which is the national average for water utilities. Figure 6.1 shows the District's injury incident rate for the last 10 years consistently meeting this target. The District will continue to maintain a strong safety program in support of this core value.

Figure 6.1



Another area of business risk involves the use of nearly 70 vehicles and heavy equipment needed to facilitate the work done by our employees. As part of this performance indicator, the District tracks vehicle and equipment incidents and near misses that result in injury or property damage. The goal is to maintain a vehicle incident rate less than 1.8 which is the national average for water utilities. Figure 6.2 shows the vehicle incident rate for the last six fiscal years. Until last year our rate was above or barely below our desired goal. Last year a very concerted effort was made in regard to training and recognitions for safe driving behavior which saw a marked decrease in our most recent annual vehicle incident rate. The District will continue to work diligently to maintain this low rate going forward.

Figure 6.2

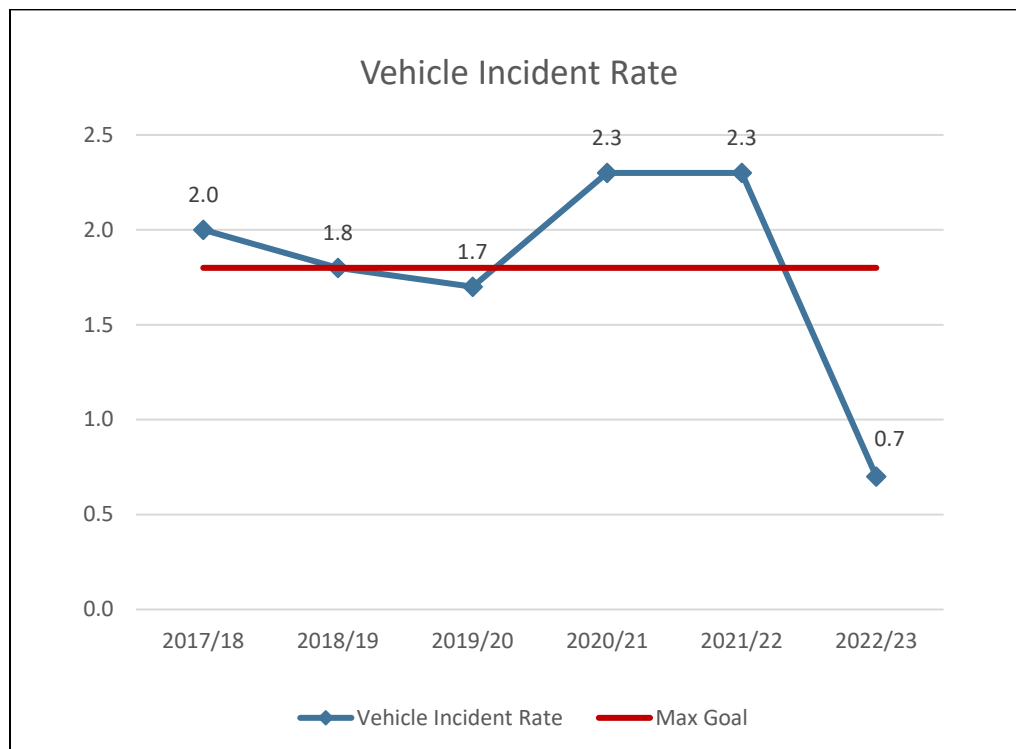
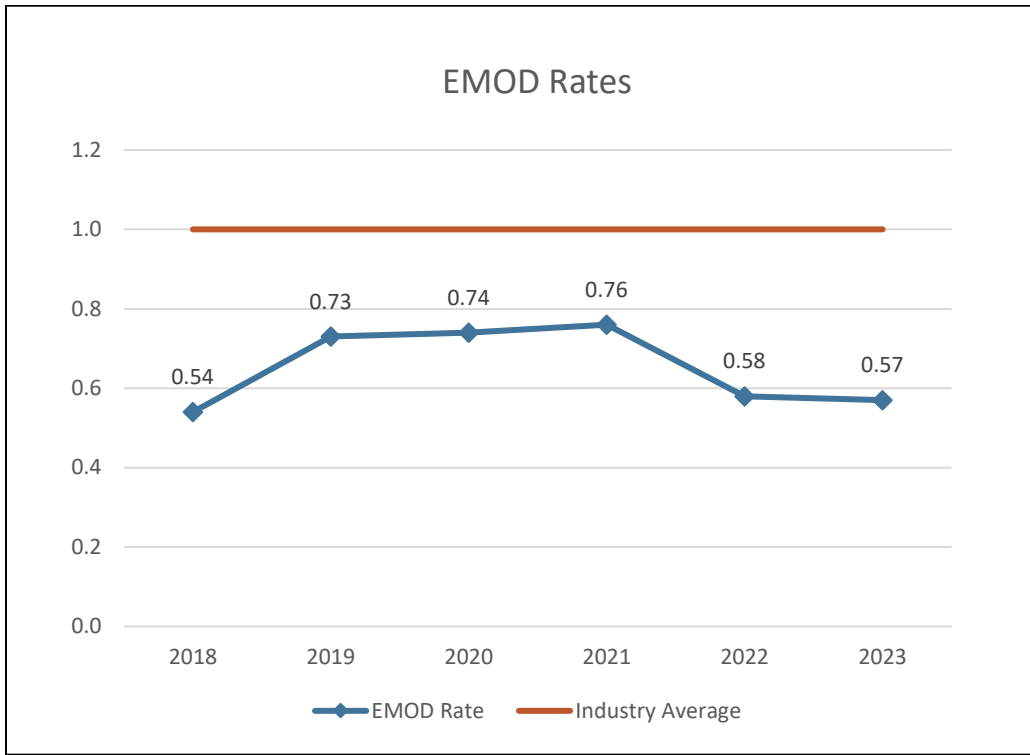


Figure 6.3 shows the District's Experience Modification Factor (EMOD) Rate for the last six years. EMOD Rates help determine Workers Compensation Insurance premiums which will be included in the FY 2024/2025 proposed budget. A rate of one, represented on the graph as the red horizontal line, is the water industry's average rate. Having a rate less than one represents a reduction in our premiums and therefore a savings to the District. Over the past six years the District has saved between \$50,000 and \$75,000 annually due to our safety program and outcomes.

Figure 6.3



In addition to a strong safety program, mitigating risk also requires a comprehensive emergency preparedness program. Figure 6.4 shows the many facets of emergency preparedness that the District is addressing to ensure we are as prepared as possible to continue critical operations during any type of emergency and return to normal operations as quickly as possible afterwards.

Figure 6.4



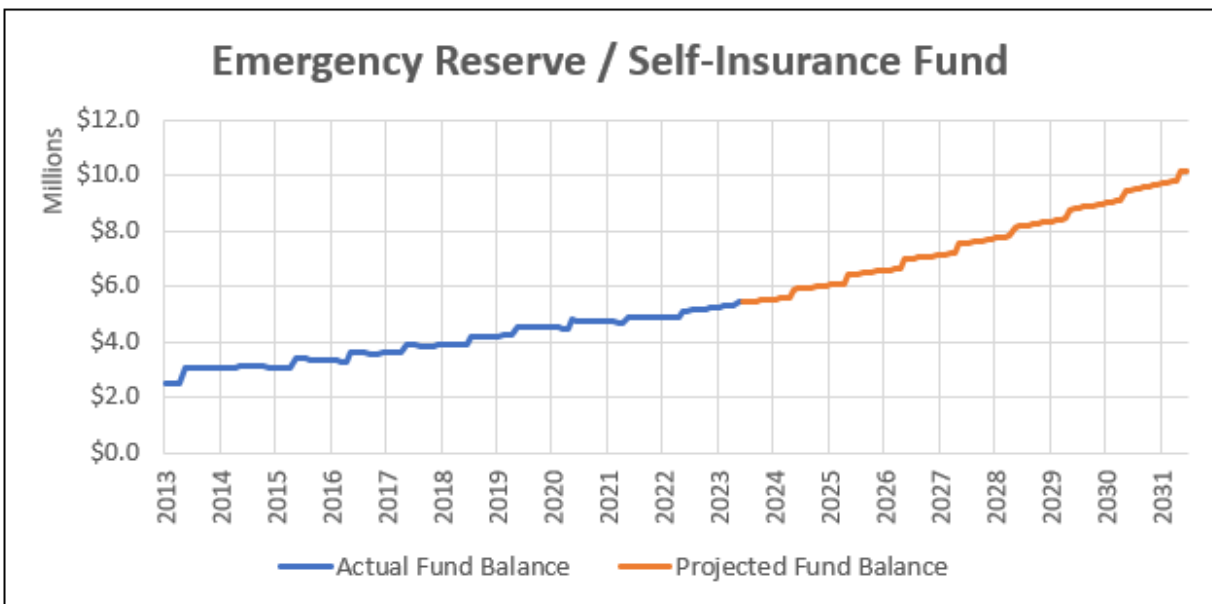
Using the 2020 vulnerability assessment, completed with the help of personnel from the Department of Homeland Security as a guide, District staff drafted a 5-year Security and Emergency Response Plan with input from the employee Safety and Security Committee that will be finalized in early 2024. This plan will prioritize recommendations and projects for implementation to continue to improve the District's emergency preparedness. The focus this year

will be greater incorporation of cybersecurity mitigation, upgrading communication options, implementing employee training internally and with our Member Agencies, executing stand-by agreements with contractors for specialty work during an emergency, and moving critical information to a digital format that can be accessed during an emergency even if the internet is down.

The Engineering Department is continuing with several projects that will increase the District's resiliency including seismic improvements at the Jordan Valley Water Treatment Plant, additional back-up power for the distribution system, and additional remote storage facilities. The Maintenance Department is continuing to build up an inventory of critical spare parts, and strategically locate them along with other vehicles and equipment at storage facilities throughout the system.

The District regularly reviews its insurance on critical assets to ensure we have the proper amount. In addition, we maintain an Emergency Reserve/Self Insurance Fund to pay for all self-insured claims and deductibles. This fund can also be used to begin repairs of critical assets in the case of a catastrophic event until insurance claims and/or FEMA reimbursements can be processed. The current balance of this fund is just over \$5.3 million. The balance of this fund and risk exposure to self-insurance claims and deductibles is reviewed annually with the Board, and additional funding can be proposed during the budget preparation process. Figure 6.5 shows the growing Emergency Reserve/Self Insurance Fund balance.

Figure 6.5



7. Water Resource Sustainability

Providing high quality water to District Member Agencies and retail customers starts with protecting source water quality. The District has a current Source Water Protection Plan for each of its groundwater and surface water sources that is updated every five years and approved by the Utah Division of Drinking Water.

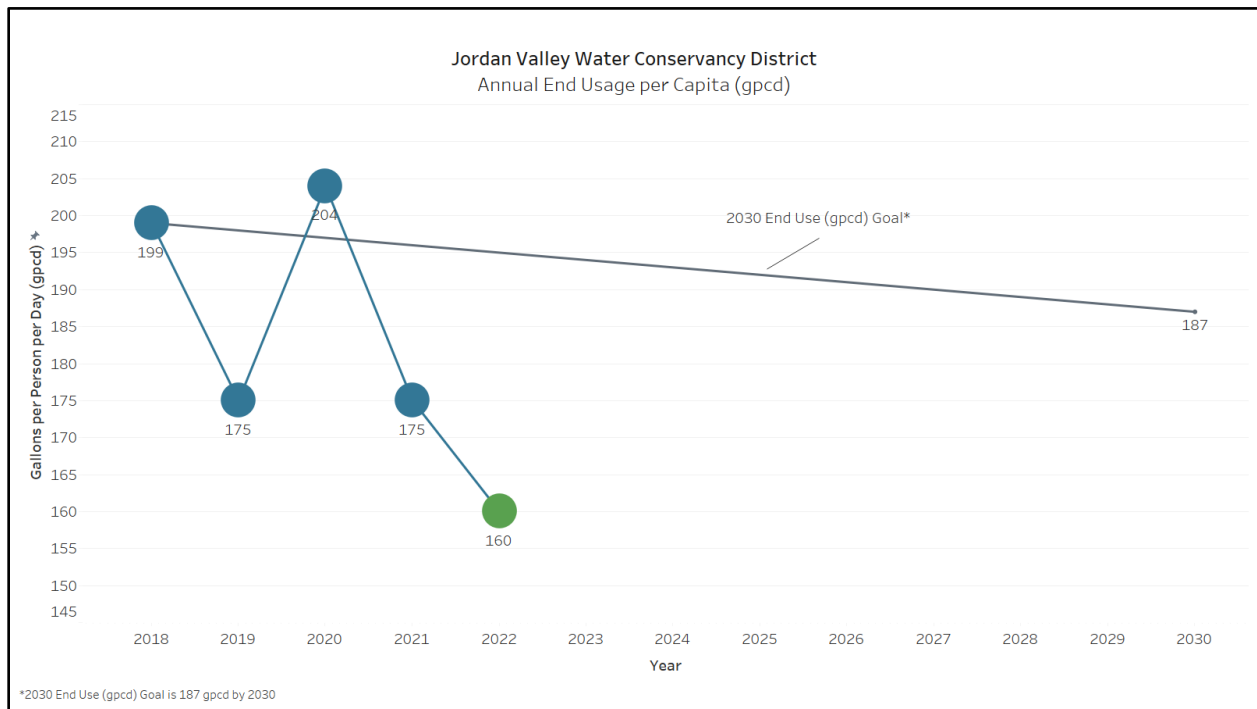
An important part of our watershed protection efforts is the work done as part of the Provo River Watershed Council (PRWC). Jordan Valley Water is one of five funding members and contributes \$150,000 each year toward the annual workplan. The funding and workplan facilitate the monitoring of water quality and the review and management of development within the watershed. In addition, it allows for input and support of various projects and activities that maintain or improve both water quality and the ecosystem within the watershed. For the coming year, focus of the workplan will be on the following items:

- On-going water quality monitoring throughout the watershed and data analysis to identify long and short-term water quality trends to prioritize projects.
- Implementation of a five-year strategic plan to identify goals and priorities for future projects and outreach efforts.
- Continued partnership with the Department of Natural Resources to protect Deer Creek and Jordanelle Reservoirs from invasive aquatic species.
- Establishing a partnership with the local districts of the United States Forest Service to better manage areas of the forest to prevent fires in critical parts of the watershed with the highest potential to negatively impact drinking water sources.
- Continue to partner with Wasatch County Planning to oversee and inspect development within the watershed that has the potential to negatively impact drinking water sources.

Water Demand Management

In 2024, the District is required to submit an updated Water Conservation Plan to the Utah Division of Water Resources (DWR), in compliance with the Conservation Plan Act established by the Utah State legislature in 1998. The previous plan, completed in 2019, set a water conservation end-use goal of 187 gallons per capita daily (gpcd) by 2030, as proposed in DWR's "Utah Regional M&I Water Conservation Goals" report for the Salt Lake Region. All major initiatives from the 2019 plan have been successfully implemented. The development of the new 2024 plan is crucial for guiding the District's conservation efforts over the next five years.

Figure 7.1 displays the annual end-use since the adoption of the goal. Preliminary estimates for water use in 2023 suggest a continuation of the trend observed in 2022, which remains significantly below historical averages and planning estimates. This trend underscores the impact of weather variability and highlights the importance of sustained structural water conservation measures.

Figure 7.1

For FY 2024/2025, District staff recommend continuing the current course for water conservation programs and budgets as outlined in the plan, but as mentioned below, a substantial increase is not warranted. Normally the recommendation is for a higher percentage increase when compared to the overall Operations & Maintenance (O&M) budget. Three primary areas targeted for budget increases are:

- Additional funding for the Salt Lake County municipal turf replacement program
- Increased per square foot funding for turf replacement
- Enhanced seasonal staffing budgets to address inflation and growing program demand

Water Efficiency Standards

The 2019 plan aimed to steadily advance the District's water conservation goals, with a key strategy being the widespread adoption of Water Efficiency Standards (Standards) for new constructions. Effective implementation of these Standards not only reduces water conservation costs but also defers the need for expensive new water supplies. Significant progress has been made in cities within the District's service area, and this goal is largely achieved. During FY 2024/2025, efforts will focus on:

- Providing grant funding to cities that have adopted the Standards, helping offset costs related to enforcement, implementation, and staffing.
- Gathering feedback from cities to refine the Standards for the upcoming conservation plan.
- Developing and distributing training materials related to the Standards.

- Continuing to implement the Standards in the District’s retail service area, including formalizing procedures for new water service applicants and ensuring compliance through inspections.

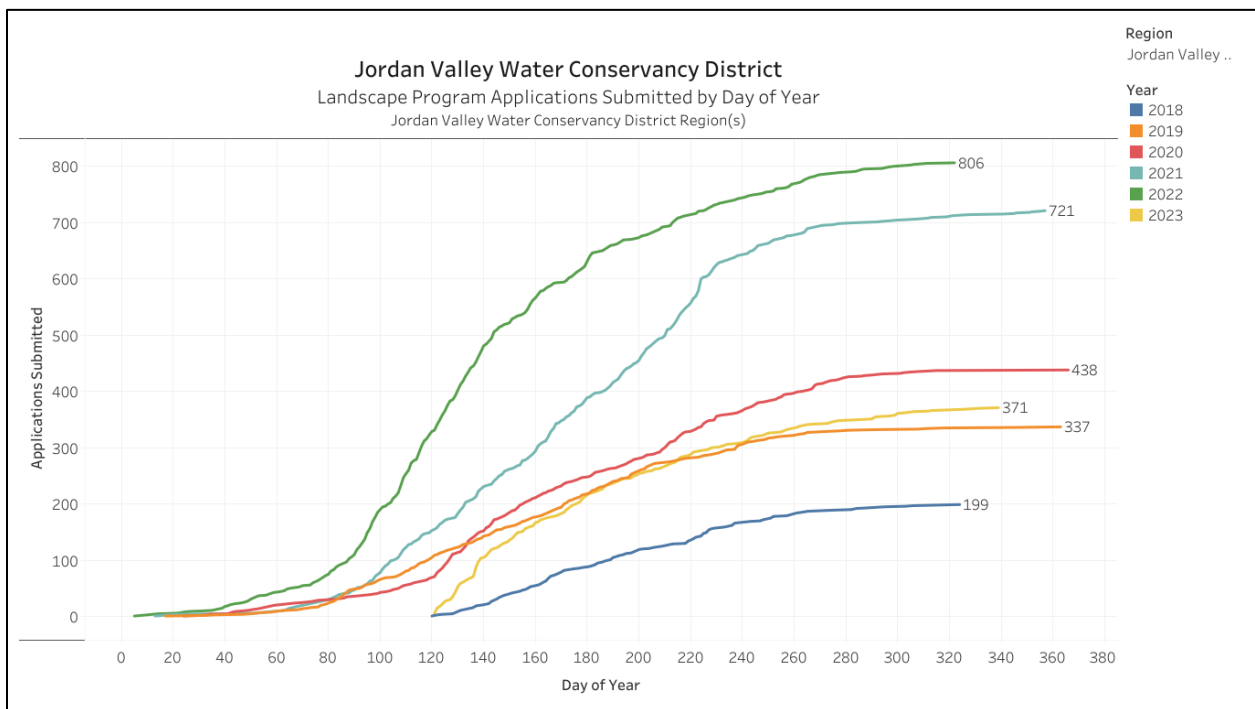
Incentive Programs

Participation in the District’s incentive programs saw a significant decline in 2023, with the reasons for this drop currently unclear. Another year of data will assist in shaping future budget forecasts. Consequently, substantial increases in the conservation budget for the next fiscal year may not be necessary. Proposed water conservation incentive programs for FY 2024/2025 include:

- Member Agency Grant Program (traditional and for adopters of the Standards)
- Residential landscape incentives (retrofits and new construction for backyards)
- Commercial, Industrial, and Institutional (CII) landscape incentives (Landscape Leadership Grants)
- CII water audit and custom incentive program (Strategic Water Management)
- Toilet rebates
- Smart controller rebates

Figure 7.2 compares the growth of the District’s programs on Utah Water Savers over the past six years. The notable reduction in program participation in 2023 necessitates ongoing evaluation to ensure the District’s resources adequately meet public demand. Demand is expected to remain relatively stable for FY 2024/2025.

Figure 7.2



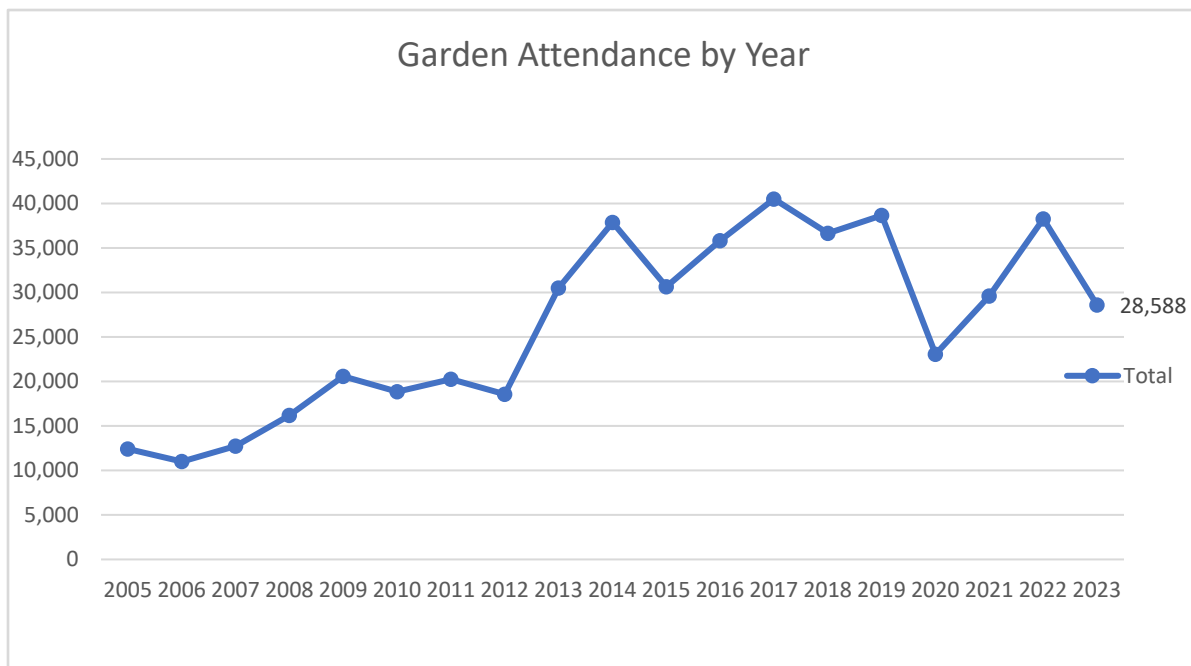
Education Programs

The District’s educational initiatives focus on Locascapes and the Conservation Garden Park (Garden). Locascapes empowers homeowners to create landscapes suited to Utah’s climate through a simplified five-step process. The Garden offers various free educational opportunities to the public. Attendance for the Garden in 2023 experienced a decline, possibly due to construction on 1300 West and reduced drought messaging (see Figure 7.3).



Recent master planning efforts have concentrated on the undeveloped land west of the stream and east of 1300 West. The FY 2024/2025 budget will likely need to allocate additional resources for finalizing these plans, in anticipation of the 1300 West road widening project.

Figure 7.3



Additional educational efforts for FY 2024/2025 are provided below:

- Online education platforms (technology solutions for program participants)
- Customer feedback tools (personalized bills, reports, and a web portal for the retail service area)
- Leak notification initiatives (informing the retail service area about potential leaks)
- Slow the Flow campaign (a statewide media initiative aimed at fostering a long-term shift in public attitudes and behaviors towards water conservation)

Short-Term Water Supply Capacity

Following multiple years of below normal precipitation, the 2022/2023 winter resulted in one of Utah's highest snowpacks on record with nearly the entire state over 250% of normal on May 1, 2023. In addition, spring weather conditions resulted in an efficient run-off that replenished most of the reservoirs in the state to near capacity including Strawberry, Jordanelle, Deer Creek, and Utah Lake. As of December 19, 2023, these reservoirs were at 90%, 82%, 92%, and 91% full respectively which is significantly higher than normal for this time of year.

November and December 2023 precipitation has started out slowly, and as of December 19, 2023, the Provo-Jordan Basin Snow Water Equivalent (SWE) was 90% of normal for this time of year, the Weber Basin SWE was 105% of normal, and the Duchesne Basin SWE was 69% of normal. Hopefully precipitation will pick up going into 2024 so that by the end of the winter season the snowpack is at least 80% of normal. However, with the exceptional snowpack last year, current reservoirs levels, and continued conservation efforts, it is anticipated there will be more than enough water supply to meet our water delivery obligations for the 2024/2025 fiscal year.

In addition to its surface water sources, the District also has groundwater sources that are an important part of its water supply portfolio. In 2005 the District's Board of Trustees adopted a Groundwater Management Plan (see Appendix C) that helps govern the conjunctive use strategy between our groundwater and surface water sources. Over the last several years of drought conditions, the District relied more heavily on these deep wells. Figure 7.4 shows the declining water elevation at representative groundwater sites due to this increased use and lack of groundwater recharge. Last year the abundant run-off allowed the aquifers to start recharging, and the District was able to rest our wells by relying more on our surface water sources.

Figure 7.4

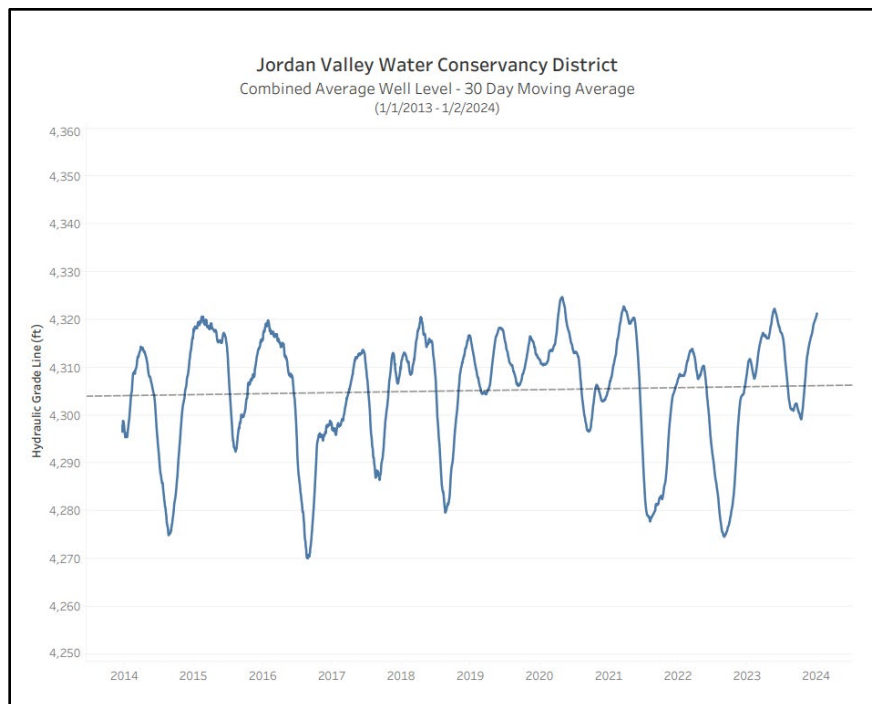


Table 7.1 provides a Three-Year Water Supply Plan that assumes a conservative estimated snowpack of 70% of normal for 2024, 2025, and 2026. Even with a below average snowpack, the District will be able to meet its performance indicator goal of having a water supply that is 1.2 times the District’s water purchase contract amount by taking advantage of stored water in Jordanelle that is available because of last year’s historic snowpack.

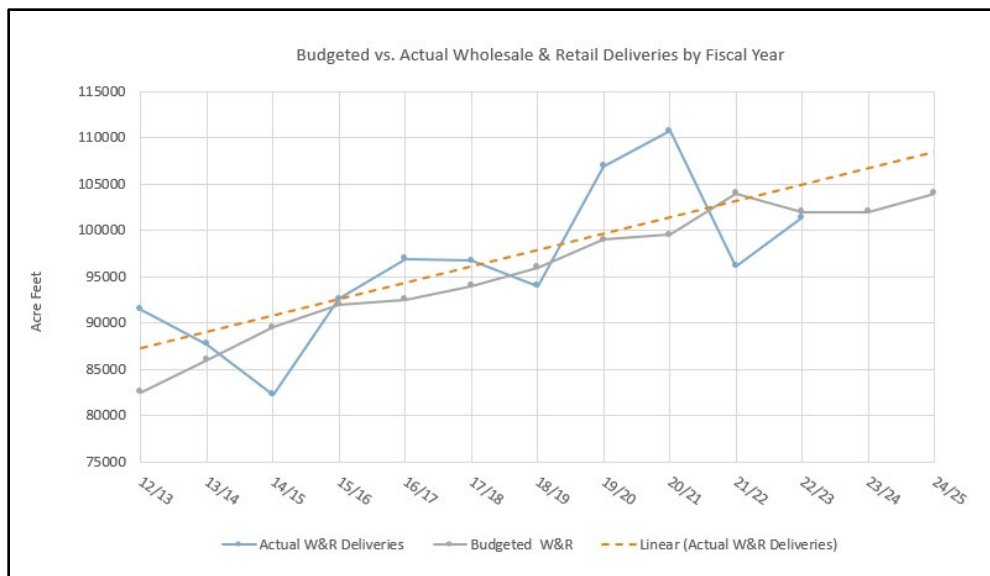
Table 7.1

JORDAN VALLEY WATER CONSERVANCY DISTRICT									
Water Supply Plan									
Updated December 2023									
Raw Water Sources	Average Year Yield (2)	2020 WY Actual Volume (AF)	2021 WY Actual Volume (AF)	2022 WY Actual Volume (AF)	2023 WY Actual Volume (AF)	2024 WY Projected Supply (AF)	2025 WY Projected Supply (AF)	2026 WY Projected Supply (AF)	
Snowpack % of Median (1)		103% Snowpack	69% Snowpack	90% Snowpack	155% Snowpack	70% Snowpack	70% Snowpack	70% Snowpack	
Central Utah Project (CUP) 50,000 AF - Turnback for Instream Flows	50000	58632	42625	38475	21881	45700	46700	50000	
Jordanelle Storage Carryover (3)	NA		Included Above			4000	5000	4000	
Deer Creek Storage (PRP) Regular Allotment	11300	9368	11170	11023	14145	10000	10000	10000	
Deer Creek Storage (PRP) Holdover (3)	NA	0	0	0	21894	6000	5000	0	
Various Provo River Rights through PRWUC (Class A, BC, SC, Secondary)	17200	15076	10068	19257	25948	15000	15000	15000	
Upper Lake Storage	2200	2114	2121	1392	1534	1500	1500	1500	
Echo Storage	3300	2260	998	0	1900	1800	1800	1800	
Weber River (99580)	0	212	1291	1833	0	0	0	0	
West Union	5000	Previously was included in Various Provo River Rights			1683	3000	3000	3000	
Wasatch Mountain Streams	2500	1537	1381	1569	2237	1800	1800	1800	
Finished Water Sources (4)		2020	2021	2022	2023	2024	2025	2026	
BCWTP	3500	3617	2717	3538	3137	3500	3500	3500	
SWGWT	4200	2583	3896	3127	1771	3500	3800	4000	
High Quality Groundwater	8000	7133	16748	15908	5596	10000	10000	12000	
Central Water Project (CWP -- Fiscal Year Contract)	11680	14902	12674	10996	10123	11680	11680	11680	
Purchased from MWD/SLS (East Side Connections)	1000	1119	924	844	1125	1000	1000	1000	
Total Water Supply	119880	118553	106613	107962	112974	118480	119780	119280	
Wholesale and Retail Demands		2020	2021	2022	2023	2024	2025	2026	
(3) Total Contracted Volume		81340	92640	89190	89190	91356	92190	92190	
Total Contracted Volume + 20% of Take or Pay Contracts		96838	110398	106258	106258	108857	109858	109858	
Estimated Retail Demand						7600	7600	7600	
Actual Wholesale and Retail Deliveries		112627	100145	101965	100812				
100% of Contracted Wholesale Volume + Retail Demand						98956	99790	99790	
120% of Contracted Wholesale Volume + Retail Demand						116457	117458	117458	
Projected Deliveries (Assumes 2% annual increase)						104000	106080	108202	
Performance Indicator for Short-term Water Supply Adequacy (5)						1.20	1.20	1.20	

(1) Snowpack % at Trial Lake mid April
 (2) These are based on the DRAFT Water Budget Analysis in progress in 2023
 (3) Currently it is estimated there will be 11,000 AF of Deer Creek Storage, and 46,000 AF of Jordanelle Storage
 (4) Finished Water volumes and Contract volumes are based on same Calendar Year as the ending Water Year
 (5) 1.2 or greater is green for our Performance Indicator

Based on historical trends, anticipated population growth, and continued water conservation efforts, the District projects delivering 104,000 acre-feet of water to our wholesale and retail customers in FY 2024/2025, as shown in Figure 7.5. The last three years have seen less than expected deliveries based on the historical trend line due to drought conditions and messaging, as well water efficiency standards and turf removal incentives.






Figure 7.5



While it is too early to forecast this winter's snowpack, the District has developed a process which is outlined in the Drought Contingency Plan to evaluate current conditions based on various criteria and set a Water Supply Level as shown in Table 7.2. The established level informs Member Agencies regarding their expected wholesale contract amounts as well as setting in motion other mitigation measures.

Table 7.2

Water Supply Availability Level

Water Supply Availability Level (1)	Water Shortage Description	Response to Wholesale Contracts
<p>Level 0</p> 	Normal	Normal, no restrictions.
<p>Level 1</p> 	Moderate	5-10% reduction in typical use. Deliveries limited to maximum contract amount.
<p>Level 2</p> 	Severe	10-20% reduction in typical use. Deliveries limited to intermediate contract amount.
<p>Level 3</p> 	Extreme	20-30% reduction in typical use. Deliveries limited to minimum contract amount.
<p>Level 4</p> 	Critical/Exceptional	30%+ reduction in typical use. Deliveries limited to a portion (e.g., 90%, 80%) of minimum contract amount.

Notes: (1) Each spring a drought monitoring committee consisting of representatives of the District and each of its member agencies will consider the water shortage criteria and recommend a water supply availability level. The water shortage criteria consist of projected supplies available from, 1) Central Utah Project (Jordanelle storage), 2) Provo River Project (Deer Creek storage), and 3) Salt Lake Valley groundwater.

Short-Term Water Source Capacity

One of the important elements impacting the District's level of service is its capacity to deliver the necessary water supplies during peak demand periods. In the key performance indicators monthly report card, peak day capacity is measured and reported under the "short-term water source capacity" section of the "Water Resource Sustainability" attribute.

The District's performance target standard is to maintain a peak capacity level of 10% above the projected water source peak demands for the coming two years. Figure 7.6 shows the peak daily demands for the last four years.

Figure 7.6

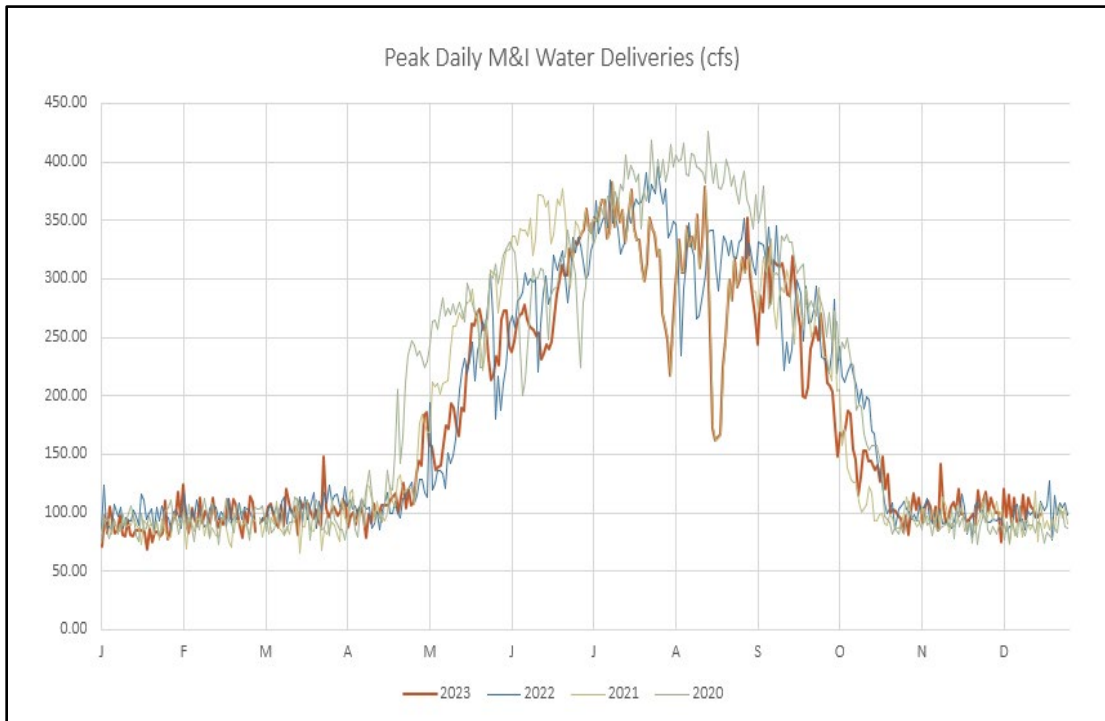


Table 7.3 shows the projected 2024 and 2025 peak delivery capacity for each major source of finished water into the distribution system totaling 362 and 397 cfs respectively. This total estimated peak day capacity supports an estimated peak day demand of 309 cfs for 2024 and 312 cfs for 2025. This meets the performance indicator target of 1.10 for both years, and it is recommended that the FY 2024/2025 budget include sufficient funds to support the peak day capacity indicated in the table.

Table 7.3

Treatment & Misc Production				
Location	Capacity (cfs)	2023 Actual Peak Demand	2024 Projected Peak Production Available	2025 Projected Peak Production Available
JVWTP (5/7)	199	206	199	240
JVWTP (2/7 if available)	80	0	40	40
SERWTP	30	22	15	15
SWGWTP	8.0	3.2	3.5	3.5
BCWTP	5.7	5.6	5.4	5.4
CWP	34	34	34	34
MWDSLS Eastside Purchase	NA	3	3	3
Springs	0	0	0	0
Reliable Well Production	112	14	63	56
Total Production	469	288	362	397
Actual Peak Day Demand (cfs)		317		
Actual Peak Day Date		July 24, 2023		
(1) Estimated Peak Demand (cfs)			309	312
(2) Performance Indicator Ratio			1.17	1.27

(1) Based on avg of the prior 5 years and assumes a 1% increase
 (2) Performance Indicator Goal is a Ratio 1.1 or greater

Long-Term Water Supply Adequacy

The District's long-term water supply adequacy level of service standard is that total developed and contracted drought year reliable supplies exceed projected demands by at least 5% in each of the next 15 years. As the District develops both short-term and long-term demand projections, it considers many factors including changes in water use patterns and service area population. As discussed below, observations in each of these areas indicate that there may be an opportunity to postpone some of our new supply projects in our CIP, but that continued monitoring of key metrics in those areas is required before we can decide to do so.

Changes in Water Use Patterns

Changes in water use patterns include the end user changes discussed earlier in this section and changes in how Member Agencies take their deliveries from the District. As discussed above, water users in the JVVCD service area achieved a 22% reduction in per capita demands from 2020 to 2022, and it appears that per capita use will be almost as low in 2023. If the reduced per capita rate becomes the new normal from which we are trying to conserve, then many of the new supply projects in our current CIP could be postponed.

In the same time frame, the District only saw a 10% reduction in demand on its system. This is a result of the take-or-pay contracts that incentivize Member Agencies to reduce production from their own supplies in response to reduced demand on their system before reducing deliveries from the District. In 2023, the District made changes to the policies on how the take-or-pay contracts are administered to provide added flexibility for Member Agencies to adapt to water conservation. The changes allow Member Agencies to rely on more of their own sources, which could result in further reductions in demand on the District's system. These reductions could also provide opportunity to postpone new supply projects in our current CIP.

Changes in Service Area Population



Photo: Scott G. Winterton, Deseret News

New housing construction data is the greatest indicator for population growth trends from one year to the next. Data shows that the downward trend in new housing permits observed in 2022 has continued in 2023 along with the higher ratio of multi-family units to single-family residential. Figure 7.7 and Table 7.4 summarize the Ivory-Boyer Construction Report and Database published by the University of Utah Kem C. Gardner Policy Institute on the number of new residential building permits issued. As shown, the number of permits and total new residential units from those permits peaked in 2020 but has been declining since then. This could indicate a slowing in population growth in the service area.

Figure 7.8 shows that only 22% of the new housing units in 2023 were single-family detached dwellings, as compared to an average of nearly 75% that persisted up to 2006. This densification will result in lower per capita usage rates for new residential customers. Increases in density combined with reductions in the number of new housing units could slow demand growth significantly within the service area, which would then provide opportunity to postpone new supply projects.

Figure 7.7

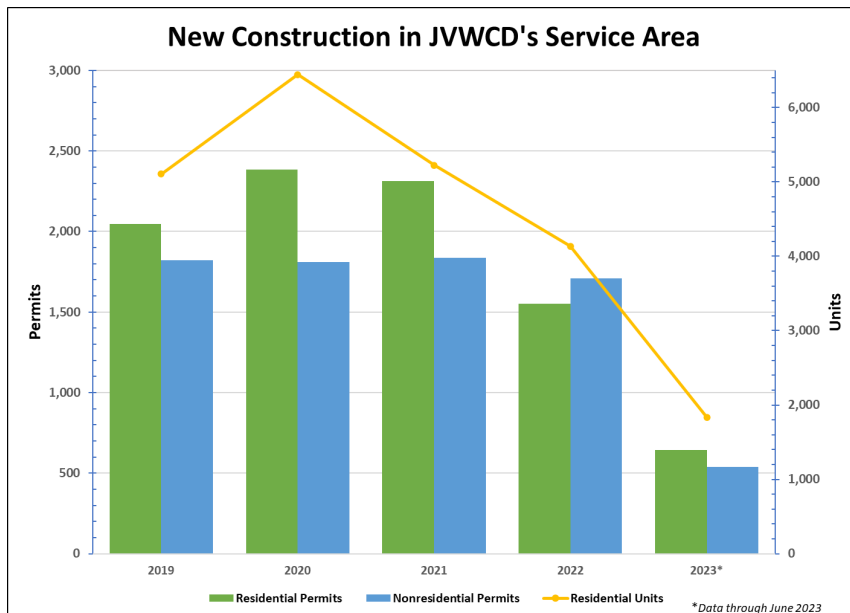
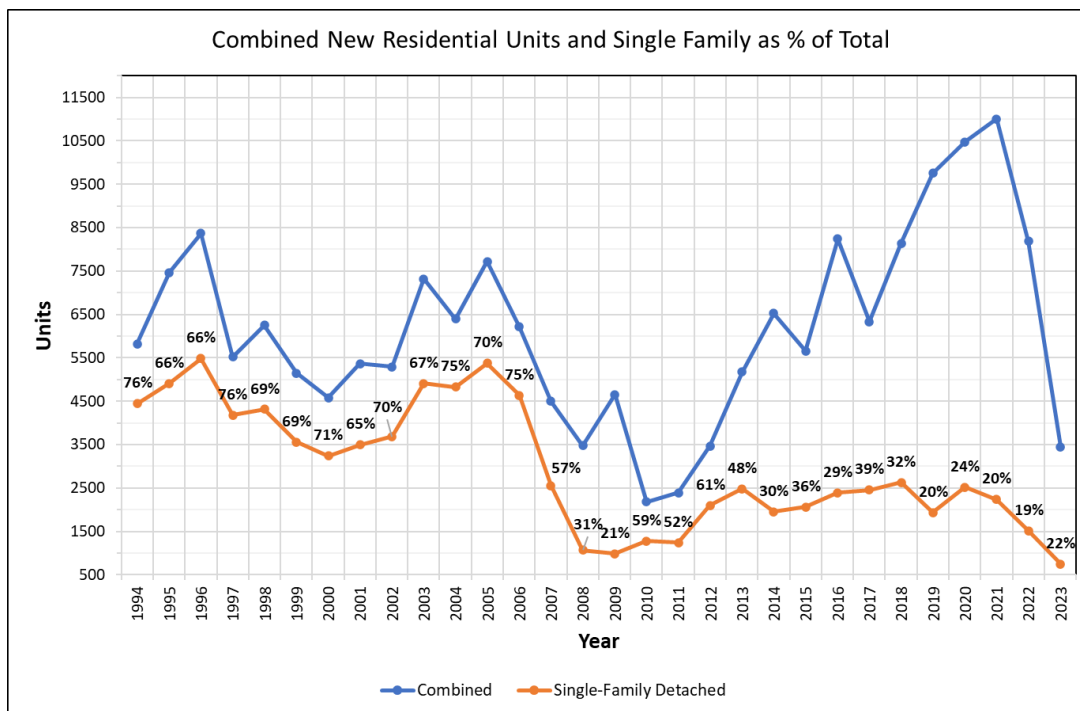


Table 7.4

	Residential Permits					Residential Units					Nonresidential Permits				
	2019	2020	2021	2022	2023 (thru June)	2019	2020	2021	2022	2023 (thru June)	2019	2020	2021	2022	2023 (thru June)
Bluffdale	27	156	77	39	33	65	583	440	65	33	5	52	65	55	16
Draper	158	267	222	147	37	606	779	226	719	37	232	313	333	421	92
Herriman	731	536	478	483	128	1,532	967	858	696	372	384	322	334	371	102
Midvale	27	21	42	17	5	427	286	221	236	130	66	59	54	15	6
Riverton	58	64	22	57	158	119	150	59	126	350	116	80	17	18	42
South Jordan	594	781	826	537	137	1,044	1,272	1,796	924	204	382	565	537	554	185
South Salt Lake	0	54	11	15	11	0	335	250	15	197	0	10	15	8	4
Taylorsville	28	25	11	2	9	273	212	11	5	9	46	46	273	52	9
West Jordan	310	331	412	165	62	643	650	1,034	165	187	84	84	86	101	42
West Valley City	114	151	212	88	64	398	1,212	330	1,183	316	506	279	122	116	39
TOTAL:	2,047	2,386	2,313	1,550	644	5,107	6,446	5,225	4,134	1,835	1,821	1,810	1,836	1,711	537

Figure 7.8



Summary Demand Projection Variables

There are several uncertainties associated with how the current conditions will impact demand growth. Observations within our own service area and throughout the arid west, in per capita usage trends overtime after drought cycles, indicate a high probability that per capita usage rates will increase before a steady rate of reduction is re-established. It will also take time to see how Member Agencies use the flexibility offered in the new take-or-pay administration policies and if that will result in a slowing of growth in demand on the District system. It is also unclear whether the slowing of new construction will translate to a temporary lull in population growth or a prolonged decrease in growth rate. Due to these uncertainties, the District will continue to use the demand projections generated in the 2022 Supply, Demand, and Major Conveyance Master Plan to determine new supply improvements needed to meet level of service goals. Efforts will be made this year to resolve these uncertainties and determine if demand projections should be updated.

Aligning Supply with Demand Projections

The key to meeting our level of service goal for short- and long-term supply without overinflating the cost of service for current users is to increase supply capacity at the appropriate pace ahead of demand. Over the next several years, new District supplies will gradually increase by 6,300 AF/year when the CUP water turnback agreement expires in 2025 (see Table 7.5). In addition, the District is scheduled to begin taking delivery of the new ULS supply (16,400 AF) in 2030 but will have the opportunity to accelerate that delivery schedule if needed. Current projections indicate the ULS supply will be needed in 2029 to satisfy the long-term water supply adequacy level of service criteria (supplies exceed projected demand by at least 5% over the next 15 years – see Table 7.6).

Table 7.5

Year	Turback Volume (AF)	CUP Water Supply Increase (AF)	Annual Total CUP Supply (AF)
2021	6,300	0	43,700
2022	5,300	1,000	44,700
2023	4,300	2,000	45,700
2024	3,300	3,000	46,700
2025	2,300	4,000	47,700
2026	0	6,300	50,000

Table 7.6

Measure: Long-term water supply adequacy										
Calculation: Total developed and contracted drought year water supply divided by the projected demand in each of the next 15 years (based upon conservation goal for per capita use that year). The reported ratio is the minimum ratio calculated in the next 15 years.										
Reporting frequency: Annually (revised Mar 2, 2023) aep										
Status: 1.15										
JVWCD Service Area (existing boundaries)										
Year	Projected Population	End use per capita conservation goal (gpcd)	End use per capita estimated in drought year scenario (10% reduction from "normal" gpcd)	Total annual end use demand(AF)	Total annual supply requirement incl 5% MA system losses and 3% JVWCD system losses(AF)	Member agency potable supplies (AF)	Member agency secondary supplies (AF)	Total demand on JVWCD system (AF)	Total JVWCD drought year supply (AF)	Ratio of supply / demand
2023	763,494	194	175	143,322	161,268	40,000	26,000	95,268	110,000	1.15
2024	772,000	193	174	150,207	162,224	40,000	26,000	96,224	111,000	1.15
2025	781,000	192	173	151,171	163,265	40,000	26,000	97,265	112,000	1.15
2026	790,000	191	172	152,117	164,286	40,000	26,000	98,286	113,000	1.15
2027	799,000	190	171	153,044	165,288	40,000	26,000	99,288	115,300	1.16
2028	808,000	189	170	153,953	166,270	40,000	26,000	100,270	115,300	1.15
2029	817,000	188	169	154,845	167,232	40,000	26,000	101,232	131,700	1.30
2030	827,885	187	168	156,073	168,559	40,000	27,000	101,559	131,700	1.30
2031	837,477	187	168	157,565	170,171	40,000	27,000	103,171	131,700	1.28
2032	847,068	186	168	159,051	171,775	40,000	27,000	104,775	131,700	1.26
2033	856,660	186	167	160,531	173,373	40,000	27,000	106,373	131,700	1.24
2034	866,252	186	167	162,003	174,964	40,000	27,000	107,964	131,700	1.22
2035	875,843	185	167	163,470	176,547	40,000	27,000	109,547	131,700	1.20
2036	885,435	185	166	164,929	178,124	40,000	27,000	111,124	131,700	1.19
2037	895,027	184	166	166,383	179,693	40,000	27,000	112,693	131,700	1.17
2025 -2037:	Average =	1.21								
2025 -2037:	Min =	1.15								
2025 -2037:	Max =	1.30								
Notes: a) 6,300 AF CUP turback volume will gradually decrease beginning in 2023 and will fully terminate in 2027. b) New 16,400 AF ULS supply begins in 2023.										

8. Community Sustainability

The District's updated Strategic Plan emphasizes the development of community sustainability and transparent collaboration in its operations. As part of the FY 2024/2025 budget, the District will prioritize operations that more strongly consider sustainable practices, which includes the health of our local environment, particularly Great Salt Lake, which is an integral part of the region's ecological balance.

Environmental Impact Evaluations: Allocating resources to conduct environmental impact evaluations of our operations and construction projects.

Sustainable Project Criteria: Investing in frameworks that incorporate social and environmental benefits into our project execution.

Low Carbon Transition: Designating resources to evaluate the transition to low or no carbon fuels.

Local and Sustainable Sourcing: Improving outreach efforts to encourage the participation of a variety of local businesses to bolster the local economy.

Sustainability Reporting: Funding to support creating and sharing periodic sustainability reports. These will detail the District's targets and achievements, including initiatives that directly contribute to the health and preservation of the Great Salt Lake ecosystem.

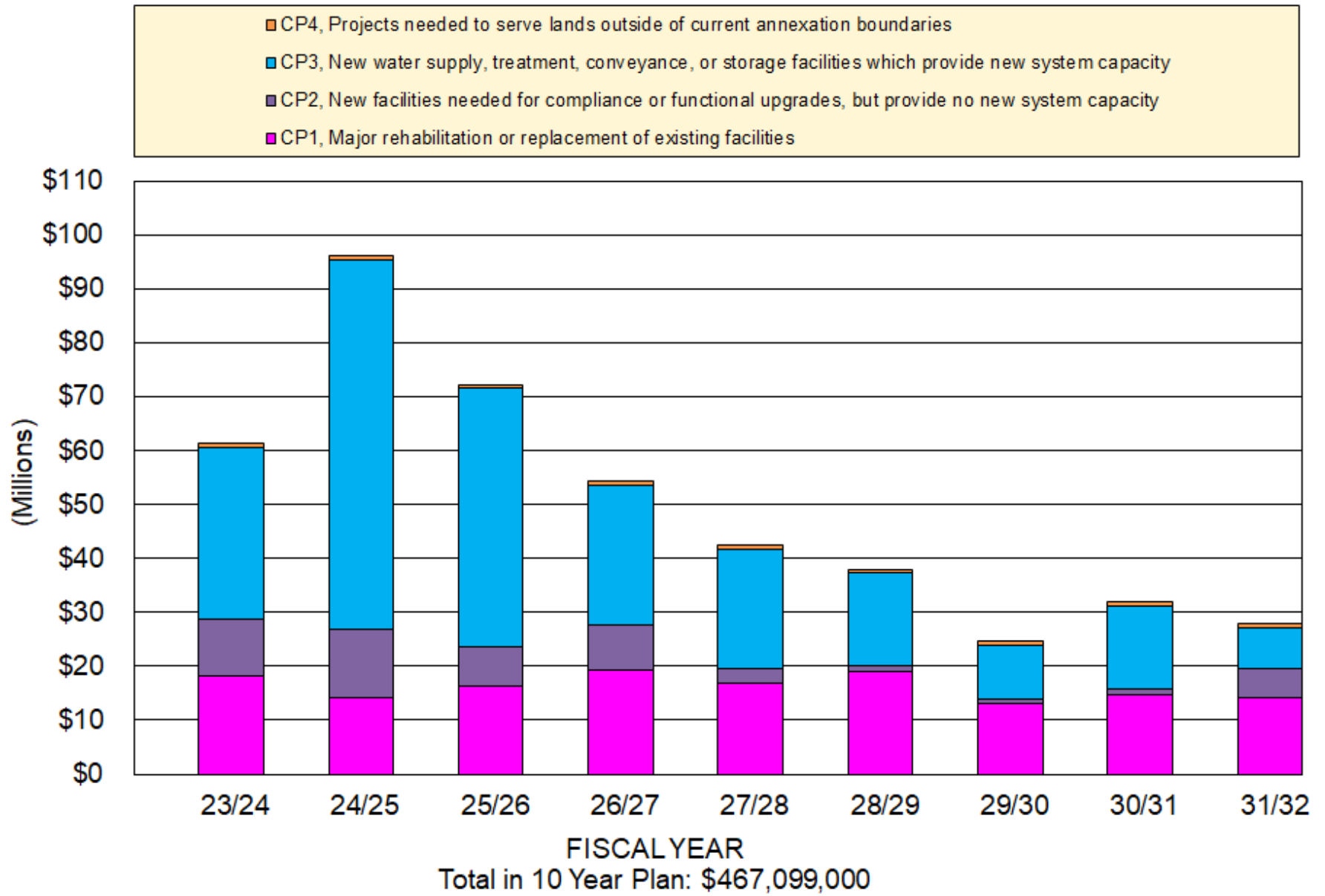
Community Engagement Programs: Resources to expand our volunteer and intern programs, which aim to educate and involve the community in supporting Conservation Garden Park and preserving local water resources. Continue allocating resources for the Garden expansion planning activities.

Collaborative Partnerships: Developing stronger partnerships with public and private agencies. These partnerships will focus on shared sustainability goals such as water efficiency, water use audits, water quality enhancements, watershed health, and advancing water conservation initiatives.



Appendix A

TEN YEAR CAPITAL PROJECTS PLAN SUMMARY (updated March 16, 2023)



Appendix B

10 YEAR FINANCIAL PROJECTIONS

(December 2023 Update w/ March 2023 Capital Projects Plan projections)

1-Dec-23		Fiscal Years														
2.0% to 4.5% Proposed Rate Increases WITH MULTIPLE Tax Rate Increases		2019/2020	2020/2021	2021/2022	2022/2023	CURRENT FY BUDGETED 2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	2030/2031	2031/2032	2032/2033	
Water Delivery Percentage Increase (From the Water Supply Plan)		3.1%	0.5%	4.5%	-1.9%	0.0%	2.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	
Budgeted Water Deliveries		99,000	99,500	104,000	102,000	102,000	104,000	105,040	106,090	107,151	108,223	109,305	110,398	111,502	112,617	
Actual Water Delivery Percentage Change		13.8%	3.7%	-13.3%	5.4%											
Actual Water Deliveries		106,961	110,873	96,156	101,369											
Average Water Rate Increase		1.5%	0.0%	2.0%	3.5%	5.0%	5.5%	6.0%	5.5%	2.5%	2.2%	2.0%	2.0%	2.0%	2.0%	
Average Water Rate		\$546.19	\$546.19	\$564.22	\$559.02	\$607.65	\$641.07	\$679.53	\$716.90	\$734.82	\$750.99	\$766.01	\$781.33	\$796.96	\$812.90	
REVENUES:																
Water Sales	Vol*Rate	\$ 58,420,899	\$ 60,557,353	\$ 54,252,796	\$ 56,667,437	\$ 61,980,076	\$ 66,671,280	\$ 71,377,831	\$ 76,056,208	\$ 78,736,921	\$ 81,274,253	\$ 83,728,758	\$ 86,257,344	\$ 88,862,695	\$ 91,546,438	vol. x (ave. rate + % increase)
Property Taxes	1.8%	20,281,934	21,133,800	24,204,336	26,373,984	28,731,637	29,248,806	32,407,678	35,907,707	36,554,046	37,212,019	37,881,835	38,563,708	39,257,855	39,964,496	1.8% per year escal. + assessed val. growth (8%)
Other	1.5%	4,246,484	3,737,307	2,508,489	7,245,464	7,953,800	6,073,107	4,664,204	4,734,167	4,805,180	4,877,258	4,950,417	5,024,673	5,100,043	5,176,544	1.5% per year escalation
TOTAL REVENUES		82,949,317	85,428,460	80,965,621	90,286,885	98,665,513	101,993,193	108,449,713	116,698,082	120,096,147	123,363,530	126,561,010	129,845,725	133,220,593	136,687,478	
OPERATING EXPENSES:																
Water Purchased	3.2%	(16,347,236)	(17,222,407)	(17,571,963)	(18,944,282)	(19,449,887)	(20,072,283)	(20,714,596)	(21,377,463)	(22,061,542)	(22,767,511)	(23,496,071)	(24,247,945)	(25,023,879)	(25,824,643)	3.2% per year escalation
Additional 6,300 AF CUP Water ULS Water Supply (16,400 AF)							(440,000)	(675,000)	(920,000)	(1,175,000)	(1,512,000)	(1,543,500)	(1,575,000)	(1,606,500)	(1,638,000)	
Operating & Maintenance	3.0%	(7,536,891)	(8,866,566)	(8,459,636)	(9,943,649)	(15,390,816)	(15,852,540)	(16,328,116)	(16,817,959)	(17,322,498)	(17,842,173)	(18,377,438)	(18,928,761)	(19,496,624)	(20,081,523)	3% per year escalation
General & Administrative	2.7%	(4,294,090)	(4,142,944)	(4,567,576)	(4,935,392)	(4,417,843)	(4,537,125)	(4,659,627)	(4,785,437)	(4,914,644)	(5,047,339)	(5,183,617)	(5,323,575)	(5,467,312)	(5,614,929)	2.7% per year escalation
Personnel	3.7%	(15,823,243)	(16,638,239)	(17,393,807)	(18,205,571)	(20,467,172)	(21,324,457)	(22,213,462)	(23,135,360)	(24,091,368)	(25,182,749)	(26,314,511)	(27,488,148)	(28,705,209)	(29,967,302)	3.7% per year escalation
TOTAL OPERATING EXPENSES		(44,001,460)	(46,870,156)	(47,992,982)	(52,028,894)	(59,725,718)	(62,226,405)	(64,590,801)	(67,036,219)	(69,565,052)	(72,351,772)	(74,915,137)	(80,843,429)	(83,579,524)	(86,406,397)	
INCOME BEFORE DEBT SERVICE		38,947,857	38,558,304	32,972,639	38,257,991	38,939,795	39,766,788	43,858,912	49,661,863	50,531,095	51,011,758	51,645,873	49,002,296	49,641,069	50,281,081	
DEBT SERVICE PAID:																
Principal		(9,943,000)	(10,914,000)	(10,662,000)	(11,409,599)	(12,312,000)	(13,801,800)	(15,734,400)	(13,436,750)	(14,122,800)	(13,644,000)	(13,281,600)	(14,540,950)	(15,198,500)	(17,019,000)	
Interest		(12,060,217)	(11,126,296)	(11,229,591)	(11,892,055)	(13,093,675)	(14,239,968)	(14,973,903)	(15,725,859)	(15,884,534)	(16,001,014)	(16,157,152)	(16,299,093)	(16,583,583)	(16,846,578)	
TOTAL DEBT SERVICE		(22,003,217)	(22,040,296)	(21,891,591)	(23,301,654)	(25,405,675)	(28,041,768)	(30,708,303)	(29,162,609)	(30,007,334)	(29,645,014)	(29,438,752)	(30,840,043)	(31,782,083)	(33,865,578)	
PAYGO FROM OPERATIONS		\$ 16,944,640	\$ 16,518,008	\$ 11,081,048	\$ 14,956,337	\$ 13,534,120	\$ 11,725,020	\$ 13,150,609	\$ 20,499,254	\$ 20,523,761	\$ 21,366,744	\$ 22,207,121	\$ 18,162,253	\$ 17,858,986	\$ 16,415,503	
DEBT SERVICE COVERAGE		1.77	1.77	1.60	1.66	1.53	1.42	1.43	1.70	1.68	1.72	1.75	1.59	1.56	1.48	1.59 Ave
FROM REVENUE STABILIZATION FUND (RATES)		1,345,760	3,636,547	2,586,721	1,674,574	2,982,386	3,386,936	3,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	
ADDITIONAL AMOUNT FROM REV STAB FUND		-	1,062,580	3,003,542	6,727,534	2,681,066	2,799,044	3,503,391	-	-	-	-	-	-	-	
AVAILABLE FOR PAYGO TRANSFER		\$ 18,290,400	\$ 21,217,135	\$ 16,671,311	\$ 23,358,445	\$ 19,197,572	\$ 17,911,000	\$ 19,654,000	\$ 22,499,254	\$ 22,523,761	\$ 23,366,744	\$ 24,207,121	\$ 20,162,253	\$ 19,858,986	\$ 18,415,503	
TRANSFERRED PAYGO																
		Actual 19/20	Actual 20/21	Actual 21/22	Actual 22/23	Bud. 23/24	Est. 24/25	Est. 25/26	Est. 26/27	Est. 27/28	Est. 28/29	Est. 29/30	Est. 30/31	Est. 31/32	Est. 32/33	PavGo Transfer Total:
Capital Projects Fund		\$ -	\$ 649,160	\$ -	\$ 1,554,301	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Replacement Reserve Fund		\$ 6,060,262	\$ 10,810,901	\$ 10,898,744	\$ 14,155,949	\$ 14,328,572	\$ 14,276,000	\$ 16,219,000	\$ 17,389,000	\$ 16,778,000	\$ 18,122,000	\$ 13,045,000	\$ 14,749,000	\$ 14,094,000	\$ 14,881,000	\$153,881,572 35%
Development Fee Fund		474,389	567,778	336,820	205,960	435,000	435,000	435,000	435,000	435,000	435,000	435,000	435,000	435,000	435,000	
General Equipment Fund		679,400	700,000	700,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	
Emergency Reserve/Self Ins. Fund		300,000	200,000	200,000	100,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	
O&M Fund		300,000	200,000	200,000	200,000	300,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	
Revenue Stabilization Fund		9,126,668	7,655,058	3,648,578	-	-	-	-	2,175,254	2,810,761	2,309,744	8,227,121	2,478,253	2,829,986	599,503	
Short-Term Operating Reserve Fund		-	-	-	3,386,936	-	-	-	-	-	-	-	-	-	-	
Revenue Fund		100,000	-	300,000	500,000	200,000	900,000	700,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	
Interest Allocated to Funds		1,249,681	434,238	387,169	2,355,299	2,734,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	
Total Transferred PayGo		\$ 18,290,400	\$ 21,217,135	\$ 16,671,311	\$ 23,358,445	\$ 19,197,572	\$ 17,911,000	\$ 19,654,000	\$ 22,499,254	\$ 22,523,761	\$ 23,366,744	\$ 24,207,121	\$ 20,162,253	\$ 19,858,986	\$ 18,415,503	
CASH BASIS – FLOW OF FUNDS (BELOW)																
REVENUE STABILIZATION FUND																
Beginning of Year Fund Balance:		\$ 5,517,799	\$ 6,534,376	\$ 10,996,965	\$ 13,119,613	\$ 8,683,955	\$ 6,413,739	\$ 3,807,107	\$ 417,929	\$ 2,605,721	\$ 5,494,653	\$ 7,969,238	\$ 16,435,436	\$ 19,406,752	\$ 22,818,941	
Year-end Transfers from Revenue Fund		5,079,908	9,126,668	7,655,058	3,648,578	-	-	-	2,175,254	2,810,761	2,309,744	8,227,121	2,478,253	2,829,986	599,503	
Transfer to Revenue Fund (Rates)		(1,345,760)	(4,699,127)	(5,590,263)	(8,402,108)	(5,663,452)	(2,799,044)	(3,503,391)	-	-	-	-	-	-	-	
Transfer to Capital Funds (CP1 Projects)		(2,807,880)	-	-	-	-	-	-	-	-	-	-	-	-	-	
Transfer to General Equipment Fund		-	-	-	-	(200,000)	-	-	-	-	-	-	-	-	-	
Interest Income	3.0%	90,309	35,048	57,853	317,872	206,300	192,412	114,213	12,538	78,172	164,840	239,077	493,063	582,203	684,568	
Short-Term Operating Reserve Fund		-	-	-	-	3,386,936	-	-	-	-	-	-	-	-	-	
End of Year Fund Balance:		\$ 6,534,376	\$ 10,996,965	\$ 13,119,613	\$ 8,683,955	\$ 6,413,739	\$ 3,807,107	\$ 417,929	\$ 2,605,721	\$ 5,494,653	\$ 7,969,238	\$ 16,435,436	\$ 19,406,752	\$ 22,818,941	\$ 24,103,012	
CAPITAL FUNDS BALANCE (CASH BASIS FROM BOARD REPORT)																
REPLACEMENT RESERVE FUND																
Beginning of Year R&R Fund Balance:		\$ 799,166	\$ 3,291,973	\$ 4,906,157	\$ 10,563,095	\$ 7,265,129	\$ 3,467,942	\$ 3,624,552	\$ 1,790,289	\$ 673,998	\$ 1,305,218	\$ 375	\$ 5,077,386	\$ 3,525,708	\$ 4,286,479	
Interest Income	3.0%	77,388	23,531	52,587	614,234	375,436	104,038	108,737	53,709	20,220	39,157	11	152,322	105,771	128,594	
Transfers from Operations		5,458,272	6,060,262	10,810,901	10,898,744	14,155,949	14,328,572	14,276,000	16,219,000	17,389,000	16,778,000	18,122,000	13,045,000	14,749,000	14,094,000	
Transfers from Revenue Stabilization Fund		2,807,880	-	-	-	-	-	-	-	-	-	-	-	-	-	
Transfers from Capital Projects Fund		-	-	-	4,000,000	-	-	-	2,000,000	-	1,000,000	-	-	-	-	
CP1 Capital Expenditures (Net)		(5,850,733)	(4,469,609)	(5,206,550)	(18,810,944)	(18,328,572)	(14,276,000)	(16,219,000)	(19,389,000)	(16,778,000)	(19,122,000)	(13,045,000)	(14,749,000)	(14,094,000)	(14,881,000)	
End of Year R&R Fund Balance:		\$ 3,291,973	\$ 4,906,157	\$ 10,563,095	\$ 7,265,129	\$ 3,467,942	\$ 3,624,552	\$ 1,790,289	\$ 673,998	\$ 1,305,218	\$ 375	\$ 5,077,386	\$ 3,525,708	\$ 4,286,479	\$ 3,628,073	
CAPITAL PROJ. FUND & BOND PROCEEDS																
Beginning of Year Capital Funds Balance:		\$ 37,288,406	\$ 14,542													

Appendix C



Resolution of the Board of Trustees

RESOLUTION NO. 05-06

A RESOLUTION OF THE BOARD OF TRUSTEES OF THE JORDAN VALLEY WATER CONSERVANCY DISTRICT TO ESTABLISH A GROUNDWATER OPERATION PLAN FOR DEEP GROUNDWATER RIGHTS

WHEREAS, Jordan Valley Water Conservancy District, formerly known as Salt Lake County Water Conservancy District ("District"), was established in 1951 as a public agency for the purpose of developing and providing a public water supply for residents in many parts of Salt Lake County; and

WHEREAS, the District submitted and acquired various applications during 1952 through 1959 to appropriate groundwater from the deep, principal aquifer in Salt Lake County. These applications (collectively referred to as the "Deep Groundwater Rights") are listed in attached Table 1. The Deep Groundwater Rights applied for a total combined flow rate of 247 cubic feet per second (cfs), with 43 points of diversion; and

WHEREAS, the Deep Groundwater Rights are for municipal and industrial use, with use approved for January 1 through December 31 of each year; and

WHEREAS, the District and the State Engineer held discussions in 1959 and 1960 regarding the State Engineer's desire to define and place a comprehensive limit on the Deep Groundwater Rights; and

WHEREAS, the State Engineer approved the Deep Groundwater Rights in a series of Memorandum Decisions issued on March 11, 1960. The Deep Groundwater Rights were approved for individual flow rates with an aggregate of 247 cfs and for 43 points of diversion, but the State Engineer limited withdrawals from the combined group of rights to no more than 125 cfs at any one time. In addition, the number of points of diversion for each individual right are to be observed as a limit and each right is to be limited to the quantity of water and rate of diversion actually developed at each well; and

WHEREAS, the District has developed many of the wells authorized for the Deep Groundwater Rights; and

WHEREAS, the District transferred some of the Deep Groundwater Rights to some of its member agencies. The transferred rights are defined in attached Table 2, and they total 19.38 cfs. That leaves a current maximum, approved diversion rate for the District of 105.62 cfs; and

JORDAN VALLEY WATER CONSERVANCY DISTRICT

Resolution of the Board of Trustees (05-06)

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WHEREAS, the District commonly uses its wells developed under the Deep Groundwater Rights for peak summer deliveries. The District has experienced periodic and unpredictable mechanical and electrical equipment failures in its wells, which typically require several months to repair. The District would benefit from flexibility in utilizing and managing its wells in a comprehensive fashion to ensure peak deliveries despite equipment failures; and

WHEREAS, the State Engineer has adopted and implemented the Salt Lake Valley Groundwater Management Plan, which defines allowable, annual safe yield from the principal aquifer in the Salt Lake Valley; and

WHEREAS, the safe yield limits defined in the Salt Lake Valley Groundwater Management Plan likely will be reached within the next decade; and

WHEREAS, the District and the State Engineer have discussed an alternate method of quantifying the yield of the District's Deep Groundwater Rights, which would place annual volume limitations on withdrawals of the Deep Groundwater Rights rather than flow rate limitations; and

WHEREAS, substitution of annual volume limitations for the existing limits on the District's Deep Groundwater Rights would provide more certainty to the State Engineer for planning purposes and in administering the Salt Lake Valley Groundwater Management Plan, and would provide more certainty and flexibility to the District in operating and managing its wells generally for peaking purposes; and

WHEREAS, the State Engineer and the District believe that adopting the alternate limitations would provide a benefit to the public; and

WHEREAS, the Board of Trustees of the Jordan Valley Water Conservancy District adopted Resolution No. 05-03 on January 12, 2005, To Establish a Groundwater Operation Plan for Deep Groundwater Rights; and

WHEREAS, the Board of Trustees of the Jordan Valley Water Conservancy District repealed Resolution No. 05-03 on July 13, 2005, in favor of this Resolution which clarifies that the water right priority dates of the Deep Groundwater Rights shall not be changed or superseded by the establishment of a groundwater operation plan under this Resolution.

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 hereby adopts an annual, aggregate withdrawal volume limitation for its Deep Groundwater Rights of 42,820 acre-feet per year, determined on a rolling average over a nine-year period.

JORDAN VALLEY WATER CONSERVANCY DISTRICT

Resolution of the Board of Trustees (05-06)

June 22, 2005

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2. The Jordan Valley Water Conservancy District hereby adopts a maximum, aggregate withdrawal limitation of 50,467 acre-feet for its Deep Groundwater Rights in any single calendar year.
3. The withdrawal limitations expressed in paragraphs 1 and 2, above, shall apply to the Deep Groundwater Rights as a whole, and the limitations shall not apply to any single right and/or point of diversion included within the Deep Groundwater Rights and the limitations shall not be applied pro rata among the rights and/or points of diversions included within the Deep Groundwater Rights.
4. The Jordan Valley Water Conservancy District shall continue to observe the flow rate limitation of each individual right included within the Deep Groundwater Rights, as set forth in attached Table 1, and the total flow rate limitation of 227.62 cfs for all rights within the Deep Groundwater Rights.
5. The adoption and on-going observance of this Resolution by the Jordan Valley Water Conservancy District are subject to the Utah State Engineer approving additional points of diversion for individual rights within the Deep Groundwater Rights, as applied for by the District and as reasonably approved by the State Engineer under the guidelines of the Salt Lake Valley Groundwater Management Plan, and are subject to the State Engineer's substitution of the withdrawal volume limitations for the Deep Groundwater Rights set forth in paragraphs 1 and 2, above, in lieu of the current maximum, approved diversion rate of 105.62 cfs.
6. The adoption and on-going observation of this Resolution by the Jordan Valley Water Conservancy District are premised upon the assumption that the safe yield limitation for allowable groundwater withdrawals pursuant to the Salt Lake Valley Groundwater Management Plan is 165,000 acre-feet per year. In the event this figure is increased, then the Board of Trustees, after consultation with the State Engineer, may consider increasing proportionately the withdrawal limitations set forth in paragraphs 1 and 2, above.
7. This Resolution is not intended to, and shall not, alter, amend or otherwise affect the original priority dates of the Deep Groundwater Rights or of any individual right within them.
8. Resolution No. 05-03 is hereby repealed.
9. This Resolution shall take effect immediately upon execution by an authorized member of the Board of Trustees.

JORDAN VALLEY WATER CONSERVANCY DISTRICT


Resolution of the Board of Trustees (05-06)
June 22, 2005
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PASSED, ADOPTED and APPROVED this 13th day of July, 2005.



Thomas W. Forsgren
Chair of the Board of Trustees

ATTEST:



David G. Ovard
District Secretary

Table 1

**Summary of Deep Groundwater Rights
Approved In March 11, 1960 Memorandum Decisions**

Application Number	Water Right Number	Flow Rate (cfs)	Number of Wells
A24396	57-2230	10	2
A24398	57-2231	10	1
A25712	57-2425	10	1
A25713	57-2426	10	1
A25714	57-2427	10	1
A26317	57-2507	10	1
A26318	57-2508	10	2
A26319	57-2509	10	1
A26320	57-2510	10	1
A26321	57-2511	10	2
A26392	57-2520	10	2
A26433	57-2524	10	1
A26486	57-2528	10	1
A26836	57-2552	10	4
A27078	57-2580	10	1
A29271 (a3519)	57-2793	4	2
A29272 (a3520)	57-2794	4	2
A29599	57-2851	5	1
A29908	57-2893	4	2
A31134	57-3016	14	2
A31135	57-3017	12	2
A31136	57-3018	12	2
A31137	57-3019	12	2
A31262	59-1531	5	1
A31263	59-1532	5	1
A31264	59-1533	5	1
A31265	59-1534	5	1
A31266	59-1535	5	1
A31267	59-1536	5	1
TOTALS		247 cfs	43 Wells

Table 2
Deep Groundwater Rights Transferred by
Jordan Valley Water Conservancy District to its Member Agencies

Application Number	Recipient	Transferred Right (cfs)
A24396	Murray City	1.3
A24398	White City WID	5.0
A29599	Granger Hunter ID	3.08
A31264	Riverton City	5.0
A31265	Riverton City	5.0
Totals		19.38

JORDAN VALLEY WATER CONSERVANCY DISTRICT

**Preliminary Budget Preparation Calendar
For Fiscal Year 2024/2025 Budget**

December 2023		Fiscal year 2024/2025 budget strategy meeting held with Executive Staff. Discussion with Finance Committee Chair—overview of budget and budget preparation parameters for the 2024/2025 budget.	
JANUARY	10 TH	Review level of service document and budget parameters with Board of Trustees.	
	11 TH	Budget orientation with Dept. Managers/Exec. Staff.	
	11 TH – 31 ST	Preparation of 2024/2025 budget – Dept. Managers and Exec. Staff.	
	31 ST	First draft of department budgets due, with all supporting memos and justifications.	
FEBRUARY	1 ST – 16 TH	Review of first draft budget by General Manager and CFO/Treasurer with each Dept. Manager/Exec. Staff member.	
	16 TH	Budgets returned to Dept. Managers/Exec. Staff members with comments.	
	23 RD	Second draft of department budgets due.	
	Late in month	Meeting with Finance Committee Chair to review second draft budget.	
	Prior to March 1	Notify Salt Lake and Utah County Auditor's Offices of tax rate increase hearing date (if applicable), and budget hearing date for the 2024/2025 budget.	
MARCH	11 TH	Finance Committee Meeting	Review the 2024/2025 budget and discuss use of the Revenue Stabilization Fund. Preliminary water rate and budget information sent to consultant.
	Late in month	Finance Committee Meeting	Meet with water rate consultant to review Cost of Service update and preliminary water rate adjustment, and continued review of the 2024/2025 budget (if necessary).
APRIL	8 TH	ECM	Review the tentative water rates for the 2024/2025 fiscal year.
	10 TH (3:00 p.m.)	Board Meeting	Tentatively adopt the tentative budget and tentative water rates for 2024/2025 fiscal year (If retail water rates are to be adjusted, a public hearing will be scheduled for 6:00 p.m.). Board announces time and place for budget hearing and tax increase hearing (if applicable).
MAY	Prior to hearings	Advertise, in a paper of general circulation, budget hearing and tax rate increase hearing (at least 7 or more days prior to public hearings). And comply with all other requirements as outlined in the Utah Code.	
	8 TH (6:00 p.m.)	Board Meeting	Public hearing to review 2024/2025 budget, proposed tax rate, and final wholesale and retail water rates. Board announces time and place for budget adoption.
JUNE	On or before 8 TH	County Auditor sends to District the certified tax rate.	
	5 TH (3:00 p.m.)	Board Meeting	Adopt final or tentative 2024/2025 budget, final or proposed tax rate, and final water rates.
	On or before 22 ND	Notify county auditor of adopted budget, including the proposed tax rate, and intent to exceed the certified tax rate (if applicable).	
July 1 ST		Beginning of 2024/2025 budget year.	
August 14 TH (6:00 p.m.)		Board Meeting	Certified tax rate hearing (if applicable). Public hearing to review proposed tax rate. Adopt final tax rate and 2024/2025 budget.



JORDAN VALLEY WATER
CONSERVANCY DISTRICT

PARAMETERS FOR 2024/2025 BUDGET PREPARATION (Preliminary)

Preparation of the fiscal year 2024/2025 budget will be based upon the following budget parameters, derived from the document Establishing a Level of Service for Preparation of Fiscal Year 2024/2025 Budget.

WATER DELIVERIES

Budgeted water deliveries do not include an adjustment for minimum purchase contracts either missed or carried over, as historically those adjustments have been immaterial.

BUDGETED WATER DELIVERIES (acre-feet)	2023/2024	2024/2025
Wholesale water deliveries	93,500	95,500
Retail water deliveries	8,500	8,500
Total budgeted water deliveries	102,000	104,000

WATER RATE ADJUSTMENTS

A water rate study update will be completed by HDR Engineering, including the calculated revenue requirement and any needed water rate adjustment. Transfers from the Short-Term Operating Reserve and Revenue Stabilization Funds may be included in the budget, at the desired amount, to offset the water rate adjustment. Proposed updated water rates for wholesale member agencies and retail customers will be calculated by HDR Engineering. The Board may approve these rates on a tentative basis during the April board meeting, when approving the tentative budget.

BUDGETED WATER RATE ADJUSTMENT	2023/2024	2024/2025
Average water rate adjustment	5.0%	4.5% – 6.0% *

* range includes use of funds available from the Short-Term Operating Reserve and Revenue Stabilization Funds

SHORT-TERM OPERATING RESERVE AND REVENUE STABILIZATION FUNDS

The Short-Term Operating Reserve and Revenue Stabilization Funds are funded by year-end annual transfers of PayGo Capital from operations. The District intends to use amounts in those funds, when available, as a source of funds when budgeting and calculating water rates.

BUDGETED USE OF RESERVE FUNDS	Balance as of 11/30/2023	Estimated need from reserves
Short-Term Operating Reserve Fund	\$3,386,936	\$3,386,936
Revenue Stabilization Fund	\$2,936,625	\$1.0 - \$3.0 million

PROPERTY TAX RATE

By State statute, the District may levy a maximum property tax rate of 0.0004 for operation and maintenance expenses. The District has sought to maintain its tax rate at or near the maximum, holding Truth in Taxation public hearings when needed.

The District will reserve the date of its August 2024 Board meeting for a possible hearing, pending receipt of the actual certified tax rate, and decision by the Board.

BUDGETED TAX RATE AND TAX REVENUE	2023/2024		2024/2025	
	Tax Rate	Tax Revenue	Tax Rate	Tax Revenue
Certified tax rate	0.000312	\$24,659,562	0.000334	\$27.6 million
Adopted tax rate	0.000341	\$26,951,637	0.000334	\$27.6 million
Tax rate increase	9.3%	\$2,292,075	0.0%	\$0

Note: Net of RDA outlays; includes new growth; excludes vehicle flat tax, redemptions, interest



JORDAN VALLEY WATER
CONSERVANCY DISTRICT

PARAMETERS FOR 2024/2025 BUDGET PREPARATION (Preliminary)

OTHER RESERVE FUND BALANCES

OTHER RESERVE FUND BALANCES TO BE MAINTAINED	Balance as of 11/30/2023
Operation & Maintenance Fund minimum balance of three-months working capital (required by bond covenants)	\$7.6 million
Revenue Fund minimum balance of 25% of annual debt service amount (required by bond covenants)	\$6.4 million
Emergency Reserve/Self-Insurance Fund to be increased (proposed) over the next 10 years (set by Board resolution)	\$5.4 million

OPERATION AND MAINTENANCE EXPENSES

Budgeted Operation and Maintenance expenses will be based on level of service with inflationary increases and cost variations related to changing water demands.

BUDGETED OPERATION & MAINTENANCE EXP.	2023/2024	2024/2025
Total Operation and Maintenance	7.5%	5.0% – 8.0%
Personnel compensation adjustment	6.5%	4.0% – 6.0%
New personnel positions	4 full-time	3 full-time
	Maintenance Worker 2 Treat. Plant Operators Water Quality Tech.	2 Maint. Workers Maintenance Lead

CAPITAL PROJECT EXPENDITURES

BUDGETED CAPITAL PROJECT EXP. (BY CATEGORY)	2023/2024	2024/2025
CP1: Major rehabilitation or replacement of existing facilities	\$18,328,572	\$14,276,000
CP2: New facilities needed for compliance or functional upgrades (no new capacity)	\$10,445,086	\$12,585,000
CP3: New water supply, treatment, conveyance, or storage facilities (new capacity)	\$31,792,350	\$68,542,000
CP4: Projects to serve lands currently outside current boundaries	\$650,000	\$650,000
Total budgeted net capital project expenditures	\$61,216,008	\$96,053,000

Major projects include: JWTP expansion and seismic upgrades, Southwest Aqueduct extension, two new storage reservoirs, four new wells, transmission facilities and terminal reservoir rehabilitation, and distribution pipeline replacements.

Note: CP1 projects are funded by the Replacement Reserve Fund through annual PayGo Capital transfers (see below). All other capital projects are funded by either new bonds issued or fund balances available in the Capital Projects Fund.

PAYGO CAPITAL FROM OPERATIONS:

BUDGETED PAYGO CAPITAL TRANSFERS FROM OPERATIONS	2023/2024	2024/2025
Amount of generated surplus from operations of PayGo Capital to be budgeted for a year-end transfer.	\$19,197,572	\$19,100,000
Funds to receive budgeted PayGo Capital funding transfer:		
<ul style="list-style-type: none"> ▪ Replacement Reserve Fund ▪ Development Fee Fund ▪ General Equipment Fund ▪ Emergency Reserve/Self-Insurance Fund ▪ Operation & Maintenance and Revenue Funds minimum reserve requirements 		

**CONSERVATION, COMMUNICATIONS,
AND INFORMATION SYSTEMS ACTIVITIES**

JORDAN VALLEY WATER CONSERVANCY DISTRICT

**CONSIDER APPROVAL OF MEMBER AGENCY WATER EFFICIENCY STANDARDS
FUNDING AGREEMENT WITH THE CITY OF SOUTH SALT LAKE**

January 10, 2024

Account Number: Conservation Programs - 5670

Budgeted: Yes

Fund: O & M

Grant Amount (JVWCD'S Portion)	Funding Eligibility
\$22,500	\$51,020

Summary: The City of South Salt Lake proposes to provide additional compensation for specific employees dedicated to water conservation activities including the implementation and enforcement of Water Efficiency Standards. This includes additional training and a subsequent salary increase for a certified Water Conservationist Specialist and one-time compensation for a team of water technicians to create a landscape plan template, review landscape plans, review the city landscape ordinance, coordinate with the parks department to conduct landscape inspections, and receive training.

MEMBER AGENCY WATER EFFICIENCY STANDARDS FUNDING AGREEMENT

This Agreement is made and entered into as of January 1, 2024 (the “Effective Date”), by and between the Jordan Valley Water Conservancy District, a Utah special district (“District”), and The City of South Salt Lake, a Utah municipality (“Member Agency”).

RECITALS:

- A. The District desires to provide funding assistance to the Member Agency for additional costs relating to adopting the District’s Water Efficiency Standards (collectively, the “Standards”), as set forth in attached Exhibit A (the “Grant”);
- B. The Member Agency wishes to obtain funding assistance from the District and represents that it has met the eligibility requirements; and,
- C. The Member Agency has submitted to the District a proposal outlining the Grant request, and the District is willing to provide funding assistance, consistent with the terms of this Agreement.

TERMS:

The parties agree as follows:

- 1. Grant Description. A description of the Grant requested by the Member Agency is set forth in attached Exhibit A.
- 2. Grant Schedule. The Grant shall be fulfilled by the Member Agency in accordance with the schedule set forth in attached Exhibit B, notwithstanding any other provision or Exhibit of this Agreement to the contrary.

3. Grant Administration and Correspondence.

(a) The person designated to administer the Grant and to act as the chief contact for the Member Agency is:

Misty Woods, Sr. Administrative Assistant
City of South Salt Lake
mwoods@sslc.gov
220 West Morris Avenue, #200
South Salt Lake City, Utah 84115

(b) The person designated to represent the District in connection with this Agreement is:

Courtney Brown, Conservation Programs Manager
Jordan Valley Water Conservancy District
8275 South 1300 West
West Jordan, Utah 84088

4. Eligibility for Grant. The Member Agency represents it has:

(a) Adopted, by formal resolution, the District's Standards, as set forth in Appendix D of the Rules and Regulations for Wholesale Water Service ("Standards"); and,

(b) Demonstrated that the requested Grant is the result of adopting the Standards.

5. Member Agency Responsibilities and Ownership.

(a) The Member Agency and/or its representatives shall provide all labor, services, supplies, and materials to fulfill the Grant, including but not limited to administration, promotion, marketing, management, data collection, analysis, and reporting.

(b) All materials and supplies necessary to fulfill the Grant shall be the exclusive property of the Member Agency. The District shall have no ownership, right,

title, security interest, or other interest in any Grant facilities, materials, or supplies, nor in any rights, duties, or responsibilities for operation or maintenance thereof.

(c) The Member Agency shall comply with all applicable federal, state, and local requirements to fulfill the Grant.

(d) The Member Agency shall be solely responsible for the performance of its staff and/or representatives in complying with the terms of this Agreement, and for the proper allocation of funds received from the District.

(e) The Member Agency shall timely prepare and submit invoices and reports to the District as further described herein.

6. Cost Estimate and Funding.

(a) The funds to be provided by the District to the Member Agency shall not exceed Twenty-Two Thousand Five Hundred and 00/100 Dollars (\$22,500.00).

(b) The costs for the Grant to be paid by the District are set forth in attached Exhibit A. All costs greater than those shown in Exhibit A, if any, shall be paid by the Member Agency.

7. Invoicing Requirements.

(a) The Member Agency shall invoice the District on a quarterly basis pursuant to the following schedule:

QUARTERLY BILLING PERIOD	INVOICE DUE DATE
January 1-March 31	April 20
April 1-June 30	July 20
July 1-September 30	October 20
October 1-December 31	January 20

(b) Invoices shall be sufficiently detailed to allow for review and approval by the District and each shall include the following: a cover letter indicating the billing period; a detailed breakdown of the costs submitted for reimbursement, including man hours and billing rates; documentation supporting the invoice, such as invoices for supplies, consulting services, etc.; and, an accounting of the amount(s) previously invoiced with respect to the total funding amount provided under this Agreement. The final invoice for the Grant, or a component of the Grant, shall provide information and documentation sufficient to demonstrate that it has been completed in accordance with the requirements and conditions of this Agreement.

8. Periodic Meetings. The District, at its discretion, may request periodically a meeting for review of the Member Agency's progress toward fulfillment of the Grant.

9. Reporting Requirements.

(a) Beginning with 2023, and for five (5) consecutive years following fulfillment of the Grant, the Member Agency shall provide to the District an annual calculation of per capita water use within its retail service area. The calculation shall include an estimate of the population served and the volume of water delivered. This information shall be provided to the District by February 15 following the specific calendar year for which the report is made.

(b) If records are available, the Member Agency shall provide to the District, on or before July 1, 2024, the information requested in subparagraph 9(a) for each calendar year between 2000 and 2023.

(c) The provisions of this paragraph 9 shall survive expiration or termination of the term of the Agreement.

10. Term. The term of this Agreement shall commence on the Effective Date, and it shall expire without further notice or condition on June 30, 2024, except all reporting obligations required by this Agreement shall survive its expiration or earlier termination for five (5) consecutive years.

11. Termination. Either party may terminate this Agreement upon sixty (60) days written notice to the other party.

12. Indemnification. The Member Agency shall indemnify, hold harmless, and defend the District, its Trustees, officers, employees, and agents against any claim or asserted liability arising out of the Member Agency's actions, either willful or negligent, or the actions of the Member Agency's officers, employees, or agents, in providing labor, services, supplies, and materials pursuant to this Agreement, including any losses related to any claim made, whether or not court action is filed, and will include attorney fees and administrative and overhead costs related to, or arising out of, such claim or asserted liability.

13. Notices. All notices, requests, demands, and other communications required or allowed by this Agreement shall be in writing and shall be given by personal delivery or by certified mail, with return receipt requested, to the following addresses or to such other addresses as the parties may designate in writing:

If to District, to:

Jordan Valley Water Conservancy District
Attn: General Manager
8215 South 1300 West
West Jordan, Utah 84088

If to Member Agency, to:

The City of South Salt Lake
Attn: Misty Woods, Sr. Administrative Assistant
220 West Morris Avenue, #200
South Salt Lake City, Utah 84115

Notice shall be effective on the date it is received by the other party.

14. Amendment. This Agreement may be amended only by written instrument signed by both parties.

15. Binding Nature. All of the grants, covenants, terms, provision, and conditions in this Agreement shall be binding upon and inure to the benefit of the successors and permitted assigns of the parties.

16. Assignment. The Member Agency shall not assign this Agreement or any of its rights under this Agreement without the prior written consent of the District. The District may assign this Agreement and/or any of its rights under this Agreement.

17. Whole Agreement. This Agreement, including exhibits, constitutes the entire agreement of the parties and supersedes all prior understandings, representations, or agreement of the parties regarding the subject matter in this document.

18. Authorization. The Member Agency represents and warrants that it has authority to enter into this Agreement. In addition, each individual executing this Agreement does hereby represent and warrant that he or she has been duly authorized to sign this Agreement in the capacity and for the entities shown.

19. Miscellaneous. The parties shall perform those acts and/or sign all documents required by this Agreement and which may be reasonably necessary to effectuate the terms of this Agreement.

“District”:

Jordan Valley Water Conservancy District

Dated: _____

By: _____
Corey L. Rushton
Its Chair, Board of Trustees

Address: 8215 South 1300 West
West Jordan, Utah 84088

ATTEST:

Alan E. Packard
Clerk

“Member Agency”:

The City of South Salt Lake

Dated: _____

By: _____

Its: _____

Address: 220 West Morris Avenue, #200
South Salt Lake City, Utah 84115

ATTEST:

EXHIBIT A

GRANT DESCRIPTION

City of South Salt Lake Water Efficiency Standards Grant

Description:

The City of South Salt Lake proposes to provide additional compensation for specific employees dedicated to water conservation activities including the implementation and enforcement of Water Efficiency Standards. This includes additional training and a subsequent salary increase for a certified Water Conservationist Specialist and one-time compensation for a team of water technicians to create a landscape plan template, review landscape plans, review the city landscape ordinance, coordinate with the parks department to conduct landscape inspections, and receive training.

Grant Eligibility for Fiscal Year 2023/2024:

- Maximum Eligibility Amount: \$51,020 (\$50,000 + \$1,020)

Grant Estimate:

- Estimated Grant Amount: \$22,500
 - \$15,000 (annual compensation increase)
 - \$20,000 (one-time employee payout)
 - \$10,000 (training and software)
 - Total Annual Cost: \$45,000
 - Total Annual Cost minus six months: \$22,500

EXHIBIT B
GRANT SCHEDULE

Grant Schedule for Implementation:

- January 1, 2024 – Begin grant period, continue current job functions
- June 30, 2024 – End of grant period

JORDAN VALLEY WATER CONSERVANCY DISTRICT

**CONSIDER APPROVAL OF A WATER CONSERVATION FUNDING AGREEMENT
WITH THE CITY OF SOUTH SALT LAKE**

January 10, 2024

Account Number: Conservation Programs - 5670

Budgeted: Yes

Fund: O & M

Grant Request (JVWCD Portion)	Member Agency Contribution	Total
\$32,847	\$21,898	\$54,745

Summary: The City of South Salt Lake is seeking grant funding assistance from the District for the following purposes:

Water Rate Study

South Salt Lake will contract with HDR Engineering to conduct a comprehensive rate study to analyze water rate structures, evaluating their impact on water consumption and identifying opportunities for increased efficiency.

Leak Detection Equipment

South Salt Lake will purchase leak detection equipment to identify water leaks in the service area. As indicated in the City's Leak Detection Plan, a team of nine water technicians and one administrator have dedicated time specifically for leak detection and mitigation activities including routine inspections, using leak detection equipment to identify leaks, documentation, and prioritizing leak repair based on severity and impact.

MEMBER AGENCY WATER CONSERVATION FUNDING AGREEMENT

This Agreement is made and entered into as of July 1, 2023 (the “Effective Date”), by and between the Jordan Valley Water Conservancy District, a Utah special district (“District”), and The City of South Salt Lake, a Utah municipality (“Member Agency”).

RECITALS:

- A. The District desires to provide funding assistance to the Member Agency for a water conservation project within the Member Agency’s retail service area relating to a water rate study and leak detection equipment (the “Project”);
- B. The Member Agency wishes to obtain funding assistance from the District and represents that it has met the eligibility requirements; and,
- C. The Member Agency has submitted to the District a proposal outlining the Project and requesting funding assistance, and the District is willing to provide funding assistance, consistent with the terms of this Agreement.

TERMS:

The parties agree as follows:

- 1. Project Description. A description of the Project to be completed by the Member Agency is set forth in attached Exhibit A.
- 2. Project Schedule. The Project shall be completed by the Member Agency in accordance with the schedule set forth in attached Exhibit A, notwithstanding any other provision or Exhibit of this Agreement to the contrary.

3. Project Administration and Correspondence.

(a) The person designated to administer the Project and to act as the chief contact for the Member Agency is:

Misty Woods, Sr. Administrative Assistant
City of South Salt Lake
mwoods@sslc.gov
220 West Morris Avenue, #200
South Salt Lake City, Utah 84115

(b) The person designated to represent the District in connection with this Agreement is:

Courtney Brown, Conservation Programs Manager
Jordan Valley Water Conservancy District
8275 South 1300 West
West Jordan, Utah 84088

4. Eligibility for Project Funding. The Member Agency represents it has:

(a) Adopted, by formal resolution, a water conservation goal of reducing per capita water use in its service area by at least twenty-five percent (25%) by year 2025, using year 2000 as a baseline year for comparison purposes; and,

(b) Complied with the Utah Water Conservation Plan Act, Utah Code Ann. § 73-10-32, and has filed a water conservation plan with the State of Utah, Division of Water Resources.

5. Member Agency Responsibilities and Ownership.

(a) The Member Agency and/or its representatives shall provide all labor, services, supplies, and materials to implement and complete the Project, including but not limited to administration, promotion, marketing, management, data collection, analysis, and reporting.

(b) All materials and supplies necessary to implement and complete the Project shall be the exclusive property of the Member Agency. The District shall have no ownership, right, title, security interest, or other interest in any Project facilities, materials, or supplies, nor in any rights, duties, or responsibilities for operation or maintenance thereof.

(c) The Member Agency shall comply with all applicable federal, state, and local requirements to implement and complete the Project.

(d) The Member Agency shall be solely responsible for the performance of its staff and/or representatives in complying with the terms of this Agreement, and for the proper allocation of funds received from the District for implementing and completing the Project.

(e) The Member Agency shall timely prepare and submit invoices and reports to the District as further described herein.

(f) The Member Agency shall timely pay its share of the costs of the Project.

6. Cost Estimate and Funding.

(a) The funds to be provided by the District to the Member Agency shall not exceed Thirty-Two Thousand Eight Hundred Forty-Seven and 00/100 Dollars (\$32,847.00).

(b) The costs for the Project to be paid by the District and by the Member Agency are set forth in attached Exhibit A. All costs greater than those shown in Exhibit A, which are necessary to implement and complete the Project pursuant to

this Agreement, if any, shall be paid by the Member Agency. The Member Agency shall pay no less than twenty percent (20%) of the total cost of the Project.

7. Invoicing Requirements.

(a) The Member Agency shall invoice the District on a quarterly basis pursuant to the following schedule:

QUARTERLY BILLING PERIOD	INVOICE DUE DATE
January 1-March 31	April 20
April 1-June 30	July 20
July 1-September 30	October 20
October 1-December 31	January 20

(b) Invoices shall be sufficiently detailed to allow for review and approval by the District and each shall include the following: a cover letter indicating the billing period; a detailed breakdown of the costs submitted for reimbursement, including man hours and billing rates; documentation supporting the invoice, such as invoices for supplies, consulting services, etc.; and, an accounting of the amount(s) previously invoiced with respect to the total funding amount provided under this Agreement. The final invoice for the Project, or a component of the Project, shall provide information and documentation sufficient to demonstrate that it has been completed in accordance with the requirements and conditions of this Agreement.

8. Periodic Meetings. The District, at its discretion, may request periodically a meeting for review of the Member Agency's progress toward implementation and completion of the Project, including an initial meeting prior to commencement of the Project.

9. Reporting Requirements.

(a) Beginning with 2023, and for five (5) consecutive years following completion of the Project, the Member Agency shall provide to the District an annual calculation of per capita water use within its retail service area. The calculation shall include an estimate of the population served and the volume of water delivered. This information shall be provided to the District by February 15 following the specific calendar year for which the report is made.

(b) If records are available, the Member Agency shall provide to the District, on or before July 1, 2024, the information requested in subparagraph 9(a) for each calendar year between 2000 and 2023.

(c) Within forty-five (45) days following termination of this Agreement and prior to final payment, the Member Agency shall submit to the District a final, written report, including a summary of the Project; problems/challenges encountered; customer responses; Project benefits; a breakdown of final Project costs; and, an evaluation regarding the effectiveness of the Project.

(d) If a retail customer of the Member Agency receives and installs a water-conserving device, fixture, or equipment as part of the Project, the Member Agency shall provide to the District the customer's water use information for three (3) full years prior to and following installation of the device, fixture, or equipment.

(e) The provisions of this paragraph 9 shall survive expiration or termination of the term of the Agreement.

10. Term. The term of this Agreement shall commence on the Effective Date, and it shall expire without further notice or condition on June 30, 2024, except all

reporting obligations required by this Agreement shall survive its expiration or earlier termination for five (5) consecutive years.

11. Termination. Either party may terminate this Agreement upon sixty (60) days written notice to the other party.

12. Indemnification. The Member Agency shall indemnify, hold harmless, and defend the District, its Trustees, officers, employees, and agents against any claim or asserted liability arising out of the Member Agency's actions, either willful or negligent, or the actions of the Member Agency's officers, employees, or agents, in providing labor, services, supplies, and materials pursuant to this Agreement, including any losses related to any claim made, whether or not court action is filed, and will include attorney fees and administrative and overhead costs related to, or arising out of, such claim or asserted liability.

13. Notices. All notices, requests, demands, and other communications required or allowed by this Agreement shall be in writing and shall be given by personal delivery or by certified mail, with return receipt requested, to the following addresses or to such other addresses as the parties may designate in writing:

If to District, to:

Jordan Valley Water Conservancy District
Attn: General Manager
8215 South 1300 West
West Jordan, Utah 84088

If to Member Agency, to:

The City of South Salt Lake
Attn: Misty Woods, Sr. Administrative Assistant
220 West Morris Avenue, #200
South Salt Lake City, Utah 84115

Notice shall be effective on the date it is received by the other party.

14. Amendment. This Agreement may be amended only by written instrument signed by both parties.

15. Binding Nature. All of the grants, covenants, terms, provision, and conditions in this Agreement shall be binding upon and inure to the benefit of the successors and permitted assigns of the parties.

16. Assignment. The Member Agency shall not assign this Agreement or any of its rights under this Agreement without the prior written consent of the District. The District may assign this Agreement and/or any of its rights under this Agreement.

17. Whole Agreement. This Agreement, including exhibits, constitutes the entire agreement of the parties and supersedes all prior understandings, representations, or agreement of the parties regarding the subject matter in this document.

18. Authorization. The Member Agency represents and warrants that it has authority to enter into this Agreement. In addition, each individual executing this Agreement does hereby represent and warrant that he or she has been duly authorized to sign this Agreement in the capacity and for the entities shown.

19. Miscellaneous. The parties shall perform those acts and/or sign all documents required by this Agreement and which may be reasonably necessary to effectuate the terms of this Agreement.

[SIGNATURE PAGE FOLLOWS]

“District”:

Jordan Valley Water Conservancy District

Dated: _____

By: _____

Corey L. Rushton
Its Chair, Board of Trustees

Address: 8215 South 1300 West
West Jordan, Utah 84088

ATTEST:

Alan E. Packard
Clerk

“Member Agency”:

The City of South Salt Lake

Dated: _____

By: _____

Its: _____

Address: 220 West Morris Avenue, #200
South Salt Lake City, Utah 84115

ATTEST:

EXHIBIT A

PROJECT DESCRIPTION AND SCHEDULE

Measure 1: Water Rate Study

Description: South Salt Lake will contract with HDR Engineering to conduct a comprehensive rate study to analyze water rate structures, evaluating their impact on water consumption and identifying opportunities for increased efficiency.

Funding Tier: Tier 2

Schedule for Implementation: Begin October 2023 – June 2024

Cost:

- JVVCD 60%: \$26,847
- South Salt Lake 40%: \$17,898
- Total: \$44,745

Measure 2: Leak Detection Equipment

Description: South Salt Lake will purchase leak detection equipment to identify water leaks in the service area. As indicated in the city's Leak Detection Plan, a team of nine water technicians and one administrator have dedicated time specifically for leak detection and mitigation activities including routine inspections, using leak detection equipment to identify leaks, documentation, and prioritizing leak repair based on severity and impact.

Funding Tier: Tier 2

Schedule for Implementation: Ongoing from July 1, 2023 – June 30, 2024

Cost:

- JVVCD 60%: \$6,000
- South Salt Lake 40%: \$4,000
- Total: \$10,000

ENGINEERING ACTIVITIES

JORDAN VALLEY WATER CONSERVANCY DISTRICT

**CONSIDER AUTHORIZATION TO AWARD A CONSTRUCTION CONTRACT FOR
6180 SOUTH 3200 WEST SUCTION VAULT UPGRADES**

January 10, 2024

Project: 6180 South 3200 West Vault Upgrades
 Project Number: 4322
 Budget: \$400,000 in 2023/2024 Capital Projects Budget
 Cost Sharing: N/A

Bids were received from:

Bidder	Bid Amount
<i>Engineer's Estimate</i>	<i>\$263,000 – \$321,000</i>
Beck Construction	\$270,350
COP Construction	\$272,500
Industrial Piping & Welding	\$274,136
Vancon	\$283,000
Corrio Construction	\$479,667

Award of Construction Contract Recommended to: Beck Construction

Total Authorization Amount (Approval Requested): \$270,350

Summary: JVVCD staff have identified a valve vault that is suffering from age related advanced corrosion which requires replacement of the vault piping and valves. This vault is located on the suction piping at the 3200 West 6200 South pump station and is an interconnect vault between the 8 MG reservoir and both 2 MG reservoirs. The improvements include replacement of 30-inch piping, valves, removal and replacement of the concrete vault lid, surface restoration, and application of paint coatings. 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.

JORDAN VALLEY WATER CONSERVANCY DISTRICT

**CONSIDER AUTHORIZATION TO AWARD A CONSTRUCTION CONTRACT
FOR SOUTHWEST GROUNDWATER TREATMENT PLANT
AND EDUCATION CENTER HVAC IMPROVEMENTS**

January 10, 2024

Project: Education Center and SWGWTP HVAC Improvements Project

Project Number: 4287

Budget: \$420,000 in 2023/2024 Capital Projects Budget, an additional \$714,000 is available from the JWTP Flocculator Project

Cost Sharing: N/A

Bids were received from:

Bidder	Bid Amount
<i>Engineer's Estimate</i>	<i>\$930,000 – \$1,130,000</i>
All State Mechanical	\$1,055,769

Award of Construction Contract Recommended to: All State Mechanical

Total Authorization Amount (Approval Requested): \$1,055,769

Summary: The Education Center and the Southwest Groundwater Treatment Plant HVAC systems are having performance issues and require frequent maintenance. This requires the use of portable heating and cooling units to protect important electrical equipment and to keep staff work areas at comfortable working conditions. The project's scope includes the replacement of the existing water-cooled systems which do not provide adequate cooling, require frequent maintenance, and waste water. These systems will be replaced with high efficiency air-cooled systems which will provide the needed heating/cooling capacity and are much easier to maintain.

OPERATIONS & MAINTENANCE ACTIVITIES

JORDAN VALLEY WATER CONSERVANCY DISTRICT

CONSIDER APPROVAL OF EXPENDITURE TO PURCHASE VEHICLES

January 10, 2024

Budget: 2023/2024 New Vehicles Budget -- \$206,000

Cost sharing: \$11,280 to be reimbursed by MWDSLS

Summary: JWVCD staff utilize a variety of vehicles to complete essential operation and maintenance activities. To maintain a reliable and cost-effective fleet of vehicles, JWVCD generally replaces vehicles when they reach 110,000 to 130,000 miles. Staff completed an evaluation of the need for, and costs associated with, replacing the three vehicles listed in the below table and determined that replacement with similar vehicles is needed. An additional truck is also needed for the new Inspector/Locator I position that was recently added. The current budget anticipated these needs and funds are available.

<u>Vehicle Description</u>	<u>Model Year</u>	<u>Miles</u>
#703 Ford ½-Ton 4WD Ext-Cab Pickup	2014	125,000
#714 Chevy ½-Ton 4WD Ext-Cab Pickup	2015	118,000
#704 Ford Explorer 4WD SUV	2014	123,000

JWVCD utilizes the Utah State Division of Purchasing and General Service Best Value Cooperative Contract (State Contract) for vehicle purchases. State Contract procurement procedures for new vehicles include requesting quotes from a list of vendors approved by the State. The quotes received from these vendors are summarized below.

Quotes Received		
<u>Vehicle Description</u>	<u>Vendor</u>	<u>Price</u>
2024 Ford F-150 XL 4WD Super Crew-Cab Pickup (Recommended Vendor)	Ken Garff West Valley Ford	\$45,120
2023 Chevy 1500 Silverado 4WD Crew-Cab Pickup	Larry H. Miller Chevrolet	\$47,240
2024 Ford F-150 XL 4WD Super Crew-Cab Pickup	Larry H. Miller Super Ford	\$47,377
2024 Dodge 1500 4WD Bighorn Quad-Cab Pickup	Salt Lake Valley Dodge	\$48,474
2023 Ford F-150 4WD Super Crew-Cab Pickup	Ken Garff American Fork	\$49,165

Recommendation: Approve expenditure to purchase four 2024 Ford F-150 XL 4WD Super Crew pickups from Ken Garff W.V. Ford

Total Authorization Amount (Approval Requested): \$180,480

REPORTING ITEMS

JORDAN VALLEY WATER CONSERVANCY DISTRICT

VERIFICATION OF COMPLIANCE WITH SELECTED LEGAL REQUIREMENTS
AND INTERNAL DISTRICT PRACTICES*

January 10, 2024

Jordan Valley Water Conservancy District complies with the following Utah laws, among others:

- | | |
|--|--|
| 1. Annual submission of Tentative Budget to Requesting Member Agencies
(§17B-1-702 UCA (1953)) | Date completed: April 14, 2023
Scheduled for: April 2024 |
| 2. Annual Certification and Filing of Budget with State Auditor (§17B-1-614(2) UCA (1953)) | Date completed: August 11, 2023
Scheduled for: August 2024 |
| 3. Annual Filing of Impact Fees Report with State Auditor (§11-36a-601(4)(d) UCA (1953)) | Date completed: December 15, 2023
Scheduled for: December 2024 |
| 4. Annual Filing of Financial Statements with State Auditor (§51-2a-202(1) UCA (1953)) | Date completed: November 21, 2023
Scheduled for: December 2024 |
| 5. Annual submission of Audit Report to Member Agencies
(§17B-1-703 UCA (1953)) | Date completed: November 27, 2023
Scheduled for: December 2024 |
| 6. Participation in Utah Public Finance Website
<transparent.utah.gov>
(§67-3-12 UCA (1953)) | Date completed: October 3, 2023
Scheduled for: July 31, 2024 |
| <ul style="list-style-type: none"> • Salaries/Benefits | |
| <ul style="list-style-type: none"> • Revenues/Expenditures | Date completed: October 20, 2023
Scheduled quarterly for: January 31, April 30, July 31, and October 31 |
| 7. Proper Notice of Public Meetings
(§52-4-202 UCA (1953)) | Date completed: On-going |
| 8. Board member contact information (name, phone number, and email address) posted on the Utah Public Notice Website
(§17B-1-303(9) UCA (1953)) | Date completed: On-going
Last edited: June 6, 2023 |
| 9. Annual review of personnel policies
(§17B-1-802 UCA (1953)) | Date completed: June 2, 2023
Scheduled for: April 2024 |
| 10. Filing of Qualified Capital Asset Report with Division of Water Resources
(§17B-2a-1010 UCA (1953)) | Date completed: December 28, 2022
Scheduled for: December 2027 |

* This practice was recommended by the Office of the Legislative Auditor General in its Report, "A Review of Best Practices for Internal Control of Limited Purpose Entities, June 2017." To be reported to the Board in January, April, July, and October.

11. Semi-annual Report to State Money Management Council (§51-7-15 (3) UCA (1953))	Date completed: July 14, 2023 Scheduled for: July 2024
12. File statement with Division of Corporations re: receipt of notice of claim (§63G-7-401(5))	Date completed: March 1, 2023 Scheduled for: January 2024
13. File Jordan Valley Water Conservancy District with Registry of Lieutenant Governor (§17B-1-103)	Date completed: May 9, 2023 Scheduled for: June 2024
14. File Jordan Valley Conservation Gardens Foundation with Registry of Lieutenant Governor (§17B-1-103)	Date completed: August 31, 2023 Scheduled for: October 2024
15. Disclosure regarding responsibility of homeowner to repair retail water line (§11-8-4 UCA (Supp. 2017))	Date completed: September 20, 2018 Scheduled for: On-going
16. Water Use Report (§§73-5-4 and -8 UCA; R309-105-15)	Date completed: March 30, 2023 Scheduled for: March 2024
17. Fee Appeal Process (§§17B-1-121(1)(c)(i))	Date completed: On-going
18. Imposing/Increasing Fee – Public Hearing (§§17B-1-643)	Date completed: On-going Last held: May 10, 2023
19. Copies of “Robert’s Rules of Order” (§17B-1-310(3)(b)(iii))	Date completed: On-going

Jordan Valley Water Conservancy District complies with the following internal practices, among others:

A. Annual Loss Report	Date completed: September 13, 2023 Scheduled for: September 2024
B. Annual Trustee Training <ul style="list-style-type: none"> • Open and Public Meetings Act (§§52-4-101 et seq.) • Utah Public Officers’ and Employees’ Ethics Act (§§67-16-1 et seq.) 	Date completed: March 6, 2023 Scheduled for: March 2024
C. Annual Employee Training <ul style="list-style-type: none"> • Sexual Harassment (2.4 Personnel Rules and Regulations) 	Date completed: November 29, 2023 Scheduled for: November 2024

- Tuition Assistance Program (6.3(c), Personnel Rules and Regulations)
- Fraud Awareness Training (12.2(3)(L), Personnel Rules and Regulations)

D. Annual certification by the Board of understanding and compliance with the Public Officers' and Employees' Ethics Act (§67-16-1 et seq. UCA (1953)), pursuant to Chapter 9.2, Administrative Policy and Procedures Manual	Date completed: March 6, 2023 Scheduled for: March 2024
E. Conflict of Interest Annual Certification (Trustees, Officers, General Manager, Assistant General Manager, General Counsel)	Scheduled for: March 2024
F. Annual Water Audit	Date completed: March 3, 2023 Scheduled for: March 2024
G. Employee Performance Evaluations	Date completed: On-going
H. Hotline	Date completed: On-going
I. Internal Audit	Date completed: On-going
J. Annual Filing of Fraud Risk Assessment with State Auditor (Auditor Alert 2020-2021)	Date completed: December 15, 2023 Scheduled for: December 2024

JORDAN VALLEY WATER CONSERVANCY DISTRICT

CENTRAL UTAH PROJECT/CUWCD ACTIVITIES REPORT

January 10, 2024

The Central Utah Water Conservancy District (CUWCD) Board of Trustees held its monthly meeting on November 15, 2023.

General Manager's Report

- Gene Shawcroft announced the retirement of the following individuals:
 - Mark Breitenbach, CUWCD Project Manager
 - Dave Pitcher, CUWCD Assistant General Manager
 - Reed Murray, Department of the Interior - Central Utah Project Completion Act Program Director

- There was not a Board of Trustees Meeting held in the month of December.

Engineering & Operations Committee

- The Board of Trustees adopted CUWCD's 2023 Hazard Mitigation Plan. This plan replaces the previous plan that was adopted in 2016 and addresses new facilities as well as additional natural hazards and their secondary effects not previously addressed. Elwell Consulting Group was contracted to assist with the plan which resulted in identifying thirty-five mitigation actions/projects to reduce the risk due to potential natural hazards and malevolent acts. The estimated cost of the identified projects is \$75.6 million.

Legal & Legislative Affairs Committee

- On June 6, 2023, the Sanpete County Commission adopted a resolution requesting the withdrawal of Sanpete County from CUWCD boundaries. In response, the CUWCD Board of Trustees adopted a resolution on June 21, 2023, initiating the process for Sanpete County's withdrawal. In this meeting, the Board of Trustees approved the final withdrawal of Sanpete County. Consequently, Sanpete County loses its seat on the CUWCD Board of Trustees. Edwin Sunderland has been serving in this capacity and was given a Resolution of Appreciation for his service.

JORDAN VALLEY WATER CONSERVANCY DISTRICT

**REPORT ON EASEMENT ENCROACHMENT AGREEMENTS
SIGNED BY THE GENERAL MANAGER**

January 10, 2024

Encroachment Agreement 10200 South Pipeline Easements

Easement Number: 4083E-4, 3625532, 92CI026-14

Encroachment Location: 10200 South & Grandville Avenue, South Jordan

Encroachment Party: South Jordan City

Encroachment Type: Roadway, curb, gutter, sidewalk

Summary: This encroachment agreement allowed South Jordan City to install, construct, and maintain roadway and related improvements within JWCD's 10200 South Easements.

Encroachment Agreement 5600 West Pipeline Easement

Easement Number: 92CI026-12

Encroachment Location: Grandville Avenue (Lake Run Road to South Jordan Parkway), South Jordan

Encroachment Party: South Jordan City

Encroachment Type: Streetlights, power, culinary water, valve, fire hydrants, irrigation meter, storm drain, catch basin, trees, landscaping, irrigation, curb, gutter, pavement

Summary: This encroachment agreement allowed South Jordan City to construct, install, and maintain various encroachments related to the Daybreak Village 10 North Plat 3 development across JWCD's 5600 West Pipeline Easement.

Encroachment Agreement**5600 West Pipeline Easement**

Easement Number:

92CI026-11

Encroachment Location:

Approximately 11998 South Anthem Park Blvd,
Herriman

Encroachment Party:

GB Anthem Park, LLC

Encroachment Type:

Roadway, curb, gutter, sidewalk, fence, culinary
water, irrigation, sewer, storm drain and similar
improvements

Summary:

This encroachment agreement allowed GB Anthem
Park, LLC to install, construct, and maintain certain
development related encroachments across JWCD's
5600 West Pipeline Easement.**Encroachment Agreement****Central Pipeline Easement**

Easement Number:

3860-11E

Encroachment Location:

4475 West Hudson Way, 4475 West Waterbury Drive,
Lehi

Encroachment Party:

Questar (dba Dominion Energy Utah)

Encroachment Type:

Two (2) four-inch (4") Plastic IHP pipe each within an
eight-inch (8") HDPE casing

Summary:

This encroachment agreement allowed Dominion
Energy Utah to install gas lines across JWCD's
Central Pipeline Easement.



JORDAN VALLEY WATER
CONSERVANCY DISTRICT

ATTRIBUTES FOR AN EFFECTIVELY MANAGED DISTRICT

November 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 (%)

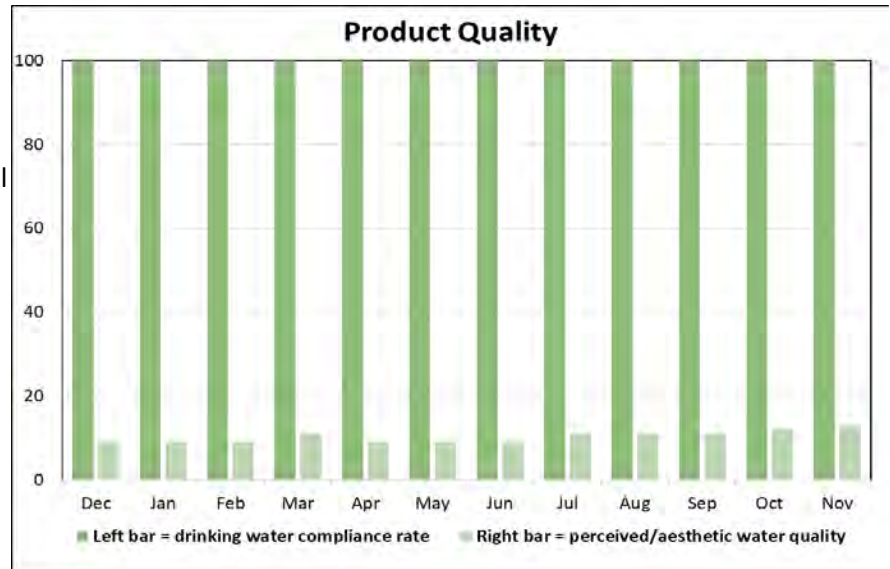


District compliance with all drinking water regulations: (100 x # of days in full compliance for the year) / 365 days.

Perceived/aesthetic water quality



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



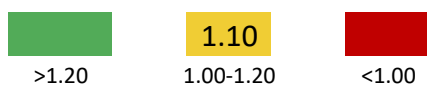
2. Water Resource Adequacy

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).

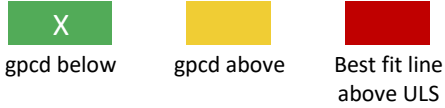
Long-term water supply adequacy (annual)



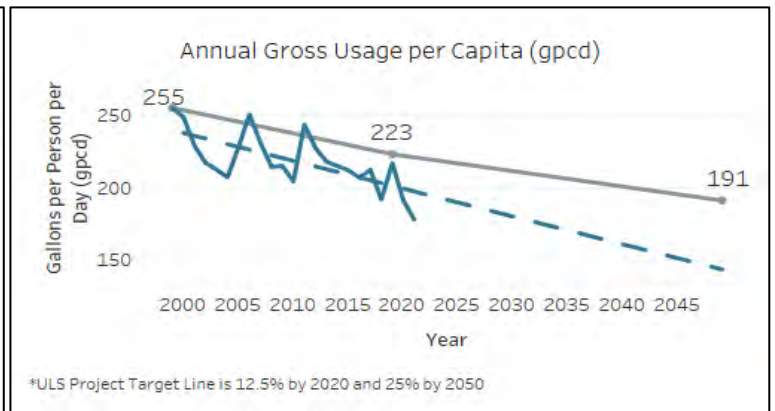
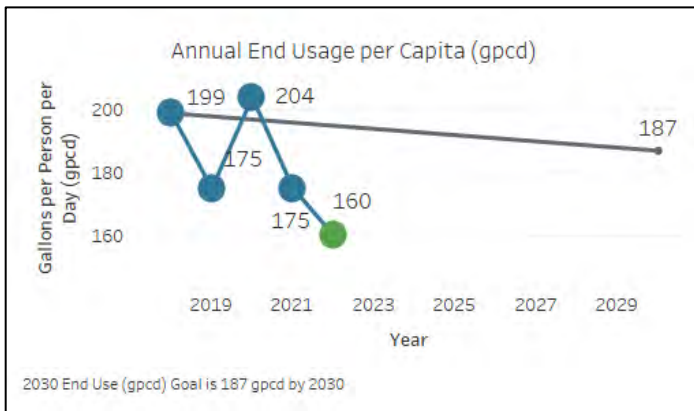
Total developed and contracted drought year water supply ÷ the projected demand in 15 years (based on conservation goal for per capita use that year).

2. Water Resource Adequacy (continued)

Water demand management (annual)



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)



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)

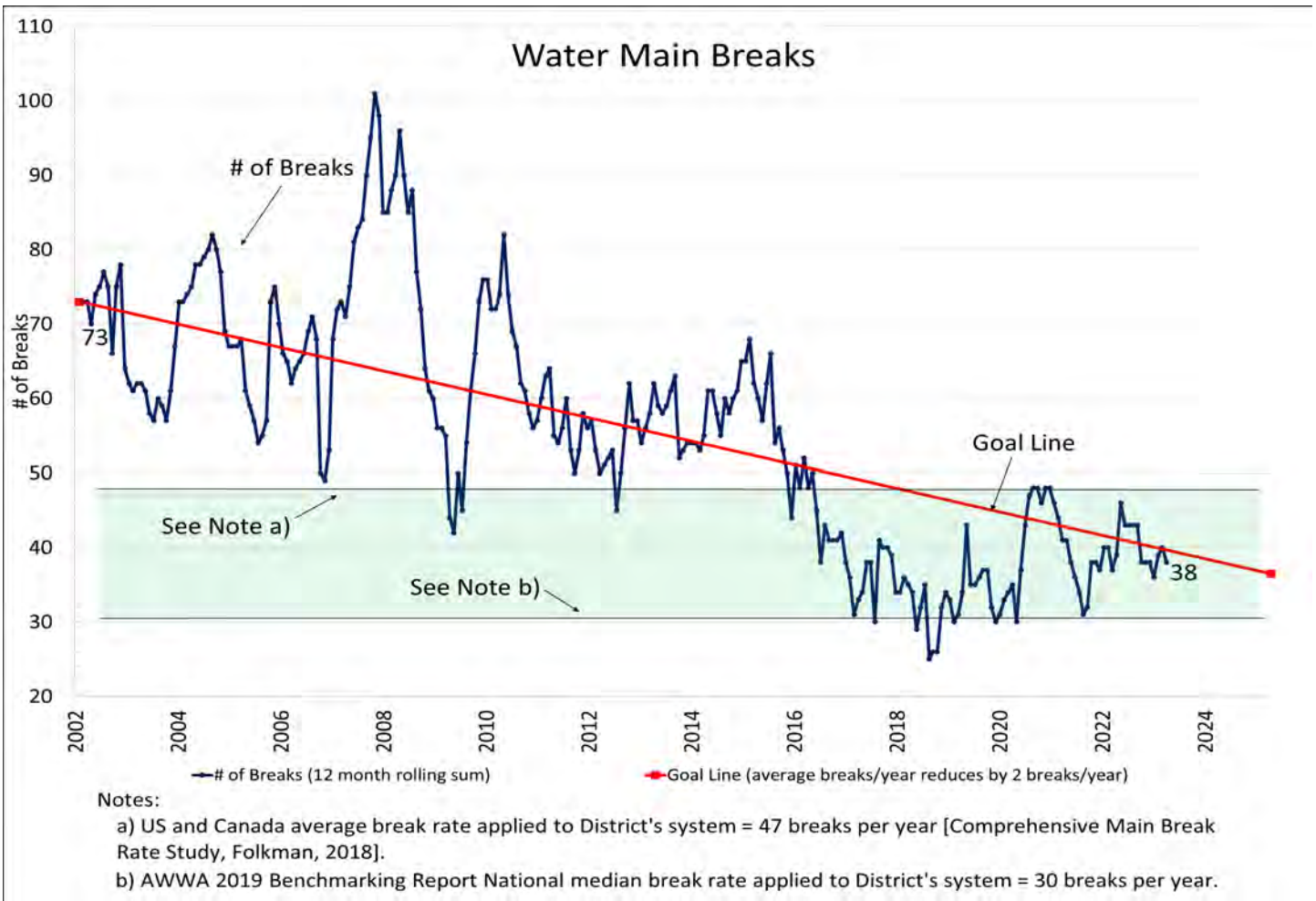
38



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)

95.60

≥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)

103

>100%



80-100%



<80%

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)

1.61

>1.30



1.10-1.30



<1.10

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

Long-term debt to equity (annual)

0.84

<1.20

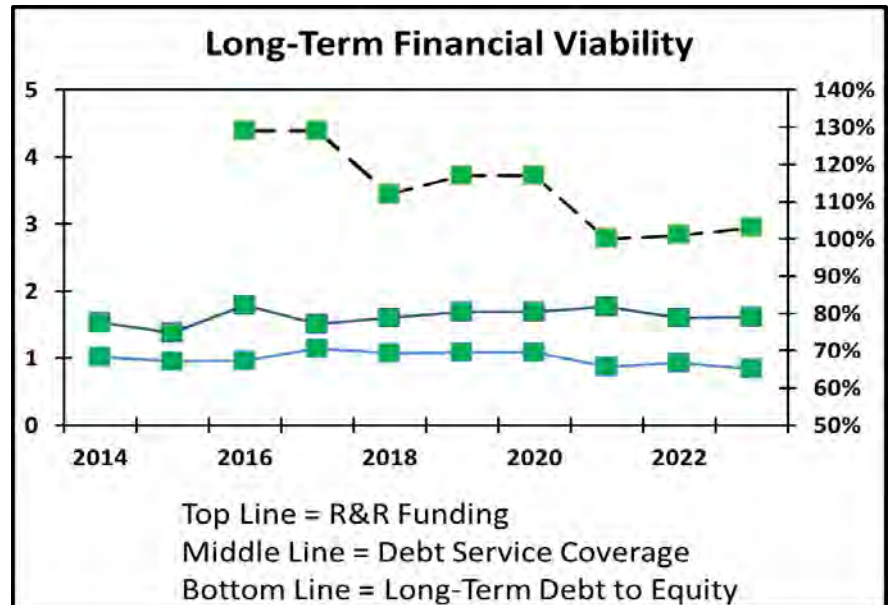


1.20-1.40



>1.40

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)

41.25

≥40



25-39



<25

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)

1.90

<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)

1.30

<1.80

1.80-2.30

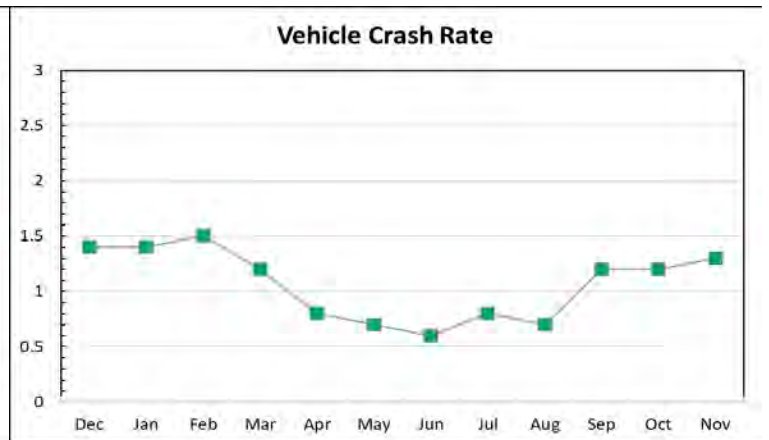
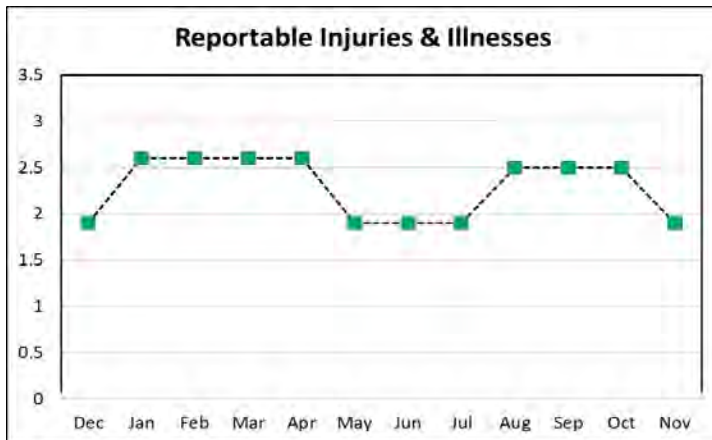
1.80-2.30

>2.30

>2.30

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

- 8 of the 8 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

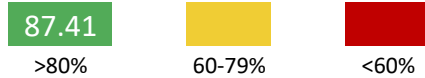
No

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
DECEMBER 2023

Final Project Completion Report

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

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

District Project Manager: Conor Tyson

Engineer: JWCD Staff	Design Status: 100%
Original Engineering Contract Amount:	N/A
Final Engineering Contract Amount:	N/A

Contractor: Noland and Son Construction	Construction Status: 100%
Original construction contract amount:	\$1,970,932
Total Change Order amount:	-\$129,537
Final construction contract amount:	\$1,841,395
Total change orders as a percentage of original contract:	-6.6%
Completion Schedule:	
Notice to Proceed:	2/28/2022
Final Completion:	11/6/2023

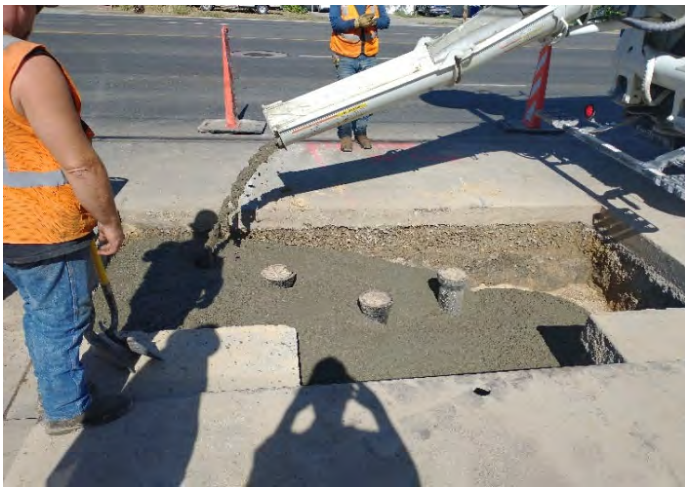
Summary of Change Orders:		Amount
	Description	
1	Concrete pads for fire hydrants	\$10,290
2	Google Fiber lateral crossings	\$7,668
3	Reconnect sample station	\$3,506
4	Crossing of 48" storm drain in pipe trench	\$6,837
5	Extra milling next to fiber lines	\$3,430
6	Extra meter setters	\$9,273
7	Night work at intersection	\$14,546
8	Replace asbestos pipe in vault	\$2,987
9	Final reconciliations	-\$188,074
Total Change Order Amount:		-\$129,537



Laying new 8-inch PVC Waterline



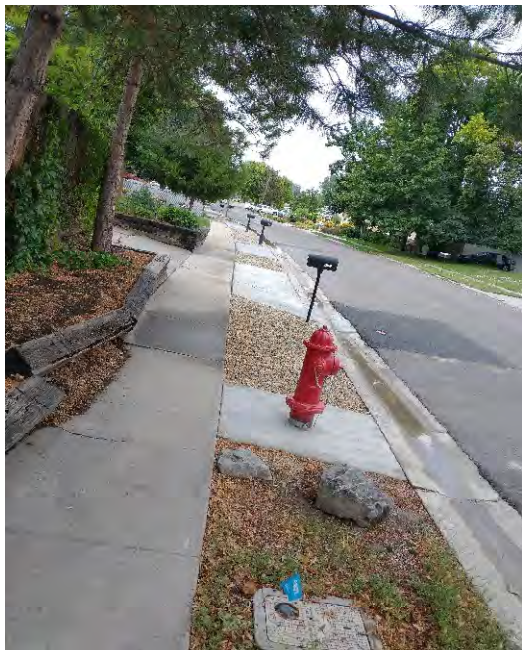
Backfilling new pipeline in trench



Pouring concrete around new mainline valves



New fire hydrant, valve collar, and road asphalt



New fire hydrant and repaired parkstrips



New asphalt over waterline trench

Final Project Completion Report

Project Name and Number: Install Pump #1 at Old Bingham Pump Station, #4275

Description: The Old Bingham Pump Station provides pressure at Zone D to service the growing areas of South Jordan, West Jordan, and Herriman. This project provided an additional pump to support the growing demands. The project included 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	Design Status: 100%
Original Engineering Contract Amount:	N/A
Final Engineering Contract Amount:	N/A

Contractor: Nelson Brothers Construction	Construction Status: 100%
Original construction contract amount:	\$361,530
Total Change Order amount:	\$3,840
Final construction contract amount:	\$365,370
Total change orders as a percentage of original contract:	1.1%
Completion Schedule:	
Notice to Proceed:	11/30/2022
Final Completion:	10/30/2023

Summary of Change Orders:		Amount
	Description	
1	Reduce pump column pipe to fit in pump can	\$2,965
2	Coat valves and piping to match existing color	\$875
Total Change Order Amount:		\$3,840

Final Project Completion Report



Installation of new pump



New motor access platforms



Completed pump, motor, valves, and piping



New Electrical Soft Start

Final Project Completion Report

Project Name and Number: JWTP Sedimentatin Basins 3-6 Equipment Replacement, #4277

Description: This project included 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 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.

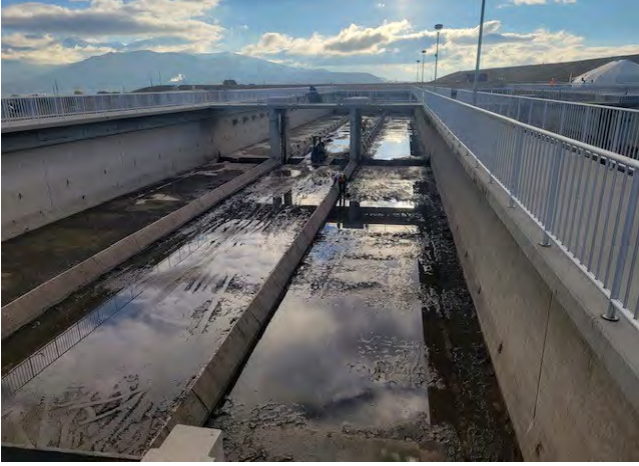
District Project Manager: David McLean

Engineer: Brown and Caldwell	Design Status: 100%
Original Engineering Contract Amount:	\$267,164
Final Engineering Contract Amount:	\$550,239

Contractor:	VanCon, Inc.	Construction Status: 100%
Original construction contract amount:		\$20,700,000
Total Change Order amount:		\$9,122
Final construction contract amount:		\$20,709,122
Total change orders as a percentage of original contract:		0.04%
Completion Schedule:		
Notice to Proceed:		8/11/2022
Final Completion:		12/1/2023

Summary of Change Orders:		Amount
	Description	
1	No cost change order to clarify bid items	\$0
2	Structural repairs to Basins 1-2	\$25,483
3	Clarification of earned early completion incentives	\$0
4	Steel de-escalation, concrete repairs, and other modifications	-\$26,365
5	Extend partial completion date	\$0
6	Basin 5&6 concrete repairs, site work, and repair allowance	\$0
7	Relocation of emergency repair pipe storage	\$10,004
	Total Change Order Amount:	\$9,122

Final Project Completion Report



Sedimentation basin with old sludge collection equipment removed



Installation of plate packs



Installed sludge collection equipment and plate packs



First filling of new inclined plate settlers



Operating plate settlers



District operators washing down the plate packs

JORDAN VALLEY WATER CONSERVANCY DISTRICT

CAPITAL PROJECTS REPORT

October 16, 2023 - December 14, 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:	\$14,562,407

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:	\$435,300
Remaining Balance:	\$2,769,845

JORDAN VALLEY WATER CONSERVANCY DISTRICT
 CAPITAL PROJECTS REPORT
 October 16, 2023 - December 14, 2023

Project Name and Number: 1362 East 6400 South Well Rehabilitation, #4310

Project Description: 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.

District Project Manager: Kevin Rubow

Engineer: Bowen, Collins & Associates, Inc.	Original engineering contract amount:	\$65,029
	Design Status: 100%	
	Construction Management Status: 0%	
<u>Additional services authorized since last report:</u>		
• n/a		
Current contract amount:		\$65,029

Contractor: Widdison Well Services	Original construction contract amount:	\$544,966
	Construction Status: 0%	
	Substantial Completion Date: n/a	
<u>Change orders approved since last report:</u>		
• n/a		
Current construction contract amount:		\$544,966
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 construction contract was awarded to Widdison Well Services at the November Board meeting. District staff are preparing the required documentation to begin the project.

JORDAN VALLEY WATER CONSERVANCY DISTRICT
 CAPITAL PROJECTS REPORT
 October 16, 2023 - December 14, 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

Engineer: Bowen, Collins & Associates, Inc.	Original engineering contract amount:	\$2,808,146
	Design Status: 5%	
	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: A kickoff meeting was held in November and the engineer started collecting utility data along the proposed pipeline alignment to assist in the design.

JORDAN VALLEY WATER CONSERVANCY DISTRICT
 CAPITAL PROJECTS REPORT
 October 16, 2023 - December 14, 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. The District 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: 2%	
<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: 2%	
	Substantial Completion Date: 9/8/2024	
<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: The contractor has visiting the site to review the equipment in preparation for submittals and fabrication of the mechanical parts.

JORDAN VALLEY WATER CONSERVANCY DISTRICT

CAPITAL PROJECTS REPORT

October 16, 2023 - December 14, 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	Original engineering contract amount:	\$611,000
	Design Status: 15%	
	Construction Management Status: 0%	
<u>Additional services authorized since last report:</u> • n/a		
Current contract amount:		\$611,000

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:		
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 preliminary design report based on their evaluation of the existing emergency power generation equipment within the system. The report will provide recommendations on the improvements to be included in this project.

JORDAN VALLEY WATER CONSERVANCY DISTRICT

CAPITAL PROJECTS REPORT

October 16, 2023 - December 14, 2023

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

Project Description: JWCD 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.

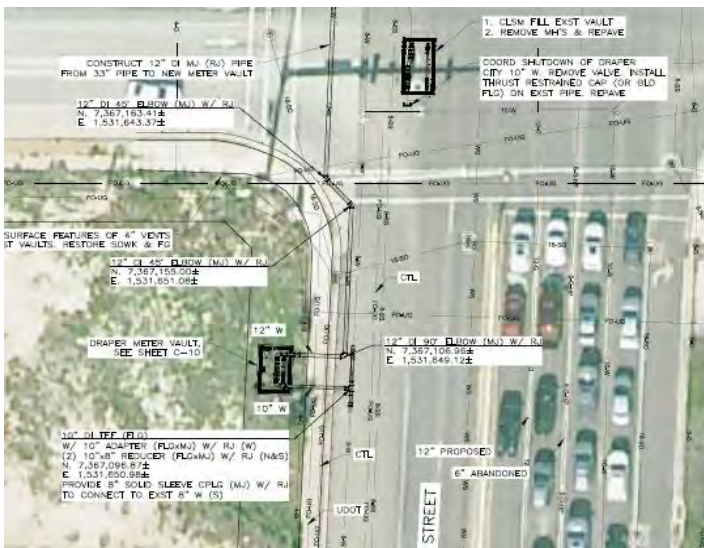
District Project Manager: Conor Tyson

Engineer: Hansen, Allen & Luce, Inc.	Original engineering contract amount:	\$481,972
	Design Status: 55%	
	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 60% drawings which will be submitted for review in December. It is planned to have project ready for bid in early 2024.



30% drawing showing moving vault out of busy intersection

JORDAN VALLEY WATER CONSERVANCY DISTRICT
 CAPITAL PROJECTS REPORT
 October 16, 2023 - December 14, 2023

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: 15%	
<u>Additional services authorized since last report:</u>		
• n/a		
Current contract amount:		\$55,842

Contractor: Corrio Construction	Original construction contract amount:	\$737,043
	Construction Status: 15%	
	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>
• Install air valve.	Ellsworth Paulsen Construction	\$910

Current Status: A pre-construction meeting is scheduled for early January to coordinate the project. Contractor is awaiting for parts and materials to arrive.

JORDAN VALLEY WATER CONSERVANCY DISTRICT
 CAPITAL PROJECTS REPORT
 October 16, 2023 - December 14, 2023

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: 77%	
<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: 77%	
	Substantial Completion Date: 2/14/2024	
<u>Change orders approved since last report:</u>		
• Washed gravel for reservoir.		\$23,125
Current construction contract amount:		\$115,252
Total change orders as a percentage of original contract:		25%

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

Current Status: The contractor has installed much of the drainage pipe and the riprap in channels at the base. Contractor is continuing to finish improvements and clean up for completion.



Laying drainage pipe in ditch beside top of the reservoir



New riprap laid in channel at base of reservoir

JORDAN VALLEY WATER CONSERVANCY DISTRICT

CAPITAL PROJECTS REPORT

October 16, 2023 - December 14, 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: 40%	
<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: 40%	
	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 continues to install the AC mitigation equipment within the unimproved areas along 10200 South between 5400 West to 6100 West. The work along 10200 South between Dunsinane Avenue to 4600 West is complete.



Excavation to install AC mitigation cable

JORDAN VALLEY WATER CONSERVANCY DISTRICT
CAPITAL PROJECTS REPORT
 October 16, 2023 - December 14, 2023

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: 15%	
<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		

<p>Current Status: The Consultant and JVVCD Staff team are focusing on the development of metrics and framework for the CIP process. The team has created the first technical memo summarizing the findings and progress of the project and is working on recommendations.</p>
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JORDAN VALLEY WATER CONSERVANCY DISTRICT
 CAPITAL PROJECTS REPORT
 October 16, 2023 - December 14, 2023

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: 78%	
<u>Additional services authorized since last report:</u>		
• Additional Construction Management.		\$4,400
Current contract amount:		\$13,600

Contractor: Widdison Well Services, LLC	Original construction contract amount:	\$289,700
	Construction Status: 78%	
	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: Development work is complete. New pump shaft and column have arrived. Waiting for new pump to arrive for final installation.



New pump shaft and column

JORDAN VALLEY WATER CONSERVANCY DISTRICT

CAPITAL PROJECTS REPORT

October 16, 2023 - December 14, 2023

Project Name and Number: 2022-23 Vault Improvements, #4241

Project Description: JWCD 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: 50%	
<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: 50%	
	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 completed vault work for 3 vaults at 4500 South 700 East, 4600 South 700 East, and 4700 South 900 East. The contractor is currently working on modifications to the 1175 West 4500 South Vault and 4450 South Redwood Road Vault which are anticipated to be complete in January.

JORDAN VALLEY WATER CONSERVANCY DISTRICT
 CAPITAL PROJECTS REPORT
 October 16, 2023 - December 14, 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, the District 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.

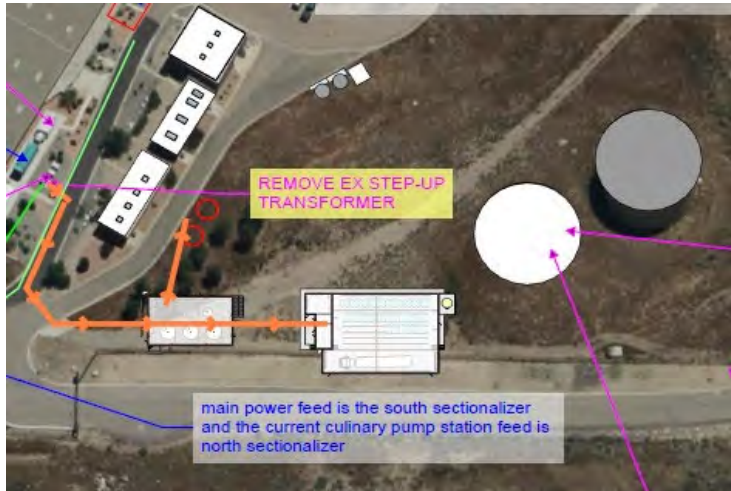
District Project Manager: David McLean

Engineer: Carollo Engineers	Original engineering contract amount: \$6,224,100 Design Status: 40% Construction Management Status: 0%
<u>Additional services authorized since last report:</u> <ul style="list-style-type: none"> • n/a 	
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"> • 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 and Carollo Engineers have been working closely together on the design of the project. Locations for the chlorine and caustic buildings are being evaluated. Coordination is ongoing with Unified Fire Authority, Herriman City, and Utah Division of Drinking Water.



Proposed locations of the chlorine and caustic buildings

JORDAN VALLEY WATER CONSERVANCY DISTRICT
 CAPITAL PROJECTS REPORT
 October 16, 2023 - December 14, 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: 30%	
<u>Additional services authorized since last report:</u>		
• n/a		
Current contract amount:		\$22,000

Contractor: Rhino Pumps, LLC	Original construction contract amount:	\$139,001
	Construction Status: 30%	
	Substantial Completion Date: 3/27/2024	
<u>Change orders approved since last report:</u>		
• Dual swab and gravel tube recovery.		\$49,760
Current construction contract amount:		\$212,976
Total change orders as a percentage of original contract:		53%

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

Current Status: Project is proceeding with a new plan to utilize dual swab development to locate gravel leak and to locate and repair the gravel feed tube. Work on the new plan should commence soon.

JORDAN VALLEY WATER CONSERVANCY DISTRICT
 CAPITAL PROJECTS REPORT
 October 16, 2023 - December 14, 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: 97%	
<u>Additional services authorized since last report:</u>		
• DW1 consulting services.		\$7,500
Current contract amount:		\$38,400

Contractor: Nickerson Company	Original construction contract amount:	\$393,609
	Construction Status: 97%	
	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: Contractor has completed well redevelopment, new pump installation, well column modifications, and installation of a new water level sensor. Commissioning of the well has been delayed due to issues with the pump to waste valve.



Deep Well 7 road access



Deep Well 7 internal piping



Deep Well 7 Pump Station

JORDAN VALLEY WATER CONSERVANCY DISTRICT
 CAPITAL PROJECTS REPORT
 October 16, 2023 - December 14, 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. JVVCD 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

CAPITAL PROJECTS REPORT

October 16, 2023 - December 14, 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: 100%	
<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: 100%	
	Substantial Completion Date: 10/06/2023	
<u>Change orders approved since last report:</u>		
• Re-coat piping.		\$875
• Interest on retainage.		\$221
Current construction contract amount:		\$365,591
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: Project is complete and operational.
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JORDAN VALLEY WATER CONSERVANCY DISTRICT
 CAPITAL PROJECTS REPORT
 October 16, 2023 - December 14, 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: 86%	
	Construction Management Status: 0%	
<u>Additional services authorized since last report:</u>		
• n/a		
Current contract amount:		\$4,029,046

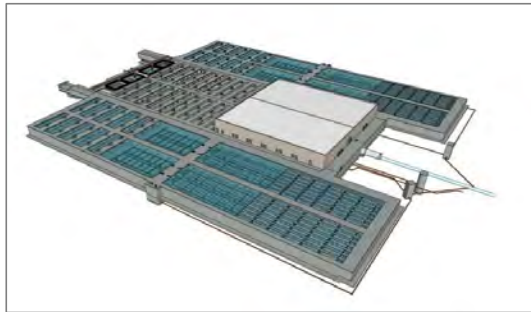
Contractor: n/a	Original construction contract amount:	\$0
	Construction Status: 0%	
	Substantial Completion Date: n/a	
<u>Change orders approved since last report:</u>		
• n/a		
Current construction contract amount:		\$0
Total change orders as a percentage of original contract:		

<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.



Existing Basin 1 to be converted to plate settlers



Engineer's rendering of new Basin 1-2 sedimentation building



Existing Basins 1-2 in operation

JORDAN VALLEY WATER CONSERVANCY DISTRICT
 CAPITAL PROJECTS REPORT
 October 16, 2023 - December 14, 2023

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: 98%	
<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: 98%	
	Substantial Completion Date: 1/30/2024	
<u>Change orders approved since last report:</u>		
• Make up air and flue modifications.		\$4,671
Current construction contract amount:		\$628,301
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 finishing the controls, new exhaust flue, and rerouting of the air intake. Contractor is scheduling training.

JORDAN VALLEY WATER CONSERVANCY DISTRICT

CAPITAL PROJECTS REPORT

October 16, 2023 - December 14, 2023

Project Name and Number: 7600 S 700 E and 7800 S 1000 E 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. The District 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: 86%	
	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: The consultant is preparing the 90% design submittal for District staff to review. Sandy City approved the preliminary site plan for the 7600 South 700 East well and the consultant is preparing the final site plan to submit to the city for their review.

JORDAN VALLEY WATER CONSERVANCY DISTRICT
 CAPITAL PROJECTS REPORT
 October 16, 2023 - December 14, 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:	\$1,597,529
	Design Status: 90%	
	Construction Management Status: 0%	
<u>Additional services authorized since last report:</u>		
• n/a		
Current contract amount:		\$1,597,529

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>
• Design of chlorine booster facility.	Sunrise Engineering	\$15,900

Current Status: District staff reviewed the 90% design with the consultant. Documentation is being prepared to submit the conditional use application to South Jordan City and plan review to the Division of Drinking Water.

JORDAN VALLEY WATER CONSERVANCY DISTRICT
 CAPITAL PROJECTS REPORT
 October 16, 2023 - December 14, 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 recoating 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: 34%	
<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: 34%	
	Substantial Completion Date: 6/1/2024	
<u>Change orders approved since last report:</u>		
• 8-MG Reservoir Bolts Replacement.		\$27,600
Current construction contract amount:		\$1,924,525
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: Contractor has completed the exterior primer application of the 8-MG and 2-MG Reservoirs at 6200 South 3200 West. They are now applying primer on the interior of the 8-MG Reservoir.

JORDAN VALLEY WATER CONSERVANCY DISTRICT
 CAPITAL PROJECTS REPORT
 October 16, 2023 - December 14, 2023

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

Project Description: The JWCD retail distribution system contains multiple areas with cast iron pipelines installed in the 1950's and 1960's. District 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: JWCD Staff	Original engineering contract amount:	n/a
	Design Status: 100%	
	Construction Management Status: 40%	
<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: 40%	
	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: Meetings were held with Old Farm HOA to discuss winter work in their complex. Construction is currently scheduled to resume in February.

JORDAN VALLEY WATER CONSERVANCY DISTRICT
 CAPITAL PROJECTS REPORT
 October 16, 2023 - December 14, 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 District 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: 1/31/2024	
<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 has resolved the controls communication issues between the treatment plant and headquarters. Contractor is scheduling training and preparing the closing documents.

JORDAN VALLEY WATER CONSERVANCY DISTRICT
 CAPITAL PROJECTS REPORT
 October 16, 2023 - December 14, 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: 80%	
<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: 80%	
	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 the pump test at the Etienne Way well. The consultant is evaluating the data collected during the test to provide recommendation on the sizing of the permanent pumping equipment. Development work continues at the 2129 E Murray-Holladay well.



Dual-drive engines for Etienne well pump test



Drill rig for redevelopment of the Murray-Holladay well

JORDAN VALLEY WATER CONSERVANCY DISTRICT
 CAPITAL PROJECTS REPORT
 October 16, 2023 - December 14, 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. A 6.8 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: 12%	
<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: 12%	
	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>
• n/a		

Current Status: The contractor has poured approximately 25% of the concrete floor slab for the new reservoir. The contractor is removing the preloaded soil placed on the east side of the reservoir foundation to continue the floor slab installation.

JORDAN VALLEY WATER CONSERVANCY DISTRICT
 CAPITAL PROJECTS REPORT
 October 16, 2023 - December 14, 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>		
• n/a		
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>		
• n/a		
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>
• n/a		

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
 October 16, 2023 - December 14, 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.

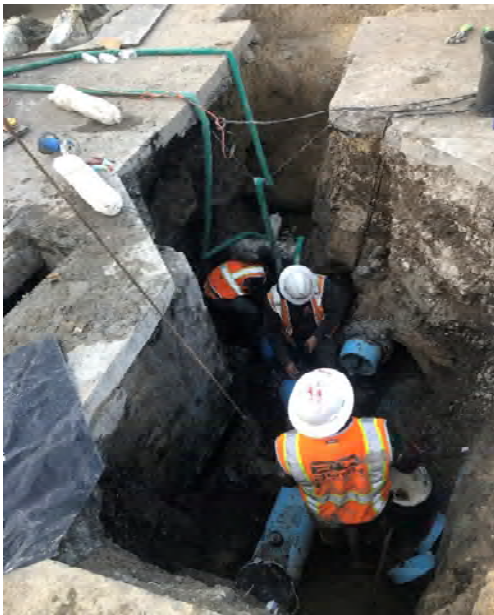
District Project Manager: Kevin Rubow

Engineer: Bowen, Collins & Associates, Inc.	Original engineering contract amount:	\$388,773
	Design Status: 100%	
	Construction Management Status: 97%	
<u>Additional services authorized since last report:</u>		
• Additional construction management services.		\$271,869
Current contract amount:		\$819,853

Contractor: B.D. Bush Excavation	Original construction contract amount:	\$2,989,090
	Construction Status: 97%	
	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: Phase 1 of the 3300 South pipeline replacement project is substantially complete. The contractor is addressing punch-list items to finish the project.



Final connection for the project at
700 West 3300 South

JORDAN VALLEY WATER CONSERVANCY DISTRICT

CAPITAL PROJECTS REPORT

October 16, 2023 - December 14, 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: 75%	
<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: 98%	
	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: 65%	
	Substantial Completion Date: 11/15/2023	
<u>Change orders approved since last report:</u>		
• Storm drain repair.		\$3,910
Current construction contract amount:		\$6,918,265
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 new pipeline along 3300 South between 500 West to State Street has passed the required testing and been placed into service. Service laterals and fire line connections still need to be connected to the new pipeline between 320 West and State Street which will be completed in the spring. Schedule A of this project is substantially complete.

JORDAN VALLEY WATER CONSERVANCY DISTRICT
CAPITAL PROJECTS REPORT
 October 16, 2023 - December 14, 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: 90%	
<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: 90%	
	Substantial Completion Date: 2/07/2024	
<u>Change orders approved since last report:</u>		
• Changes to chemical feed.		\$38,489
Current construction contract amount:		\$1,720,756
Total change orders as a percentage of original contract:		5%

<u>Other Approvals since last report</u>	<u>Vendor</u>	<u>Amount</u>
• Security Equipment.	Utah Yamas Controls	\$39,704

Current Status: Design modifications have been completed and the contractor is preparing to complete the work.

JORDAN VALLEY WATER CONSERVANCY DISTRICT

CAPITAL PROJECTS REPORT

October 16, 2023 - December 14, 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

October 16, 2023 - December 14, 2023

Normal Capital Improvements

Various small miscellaneous improvements.

<u>Fund Approvals since last report</u>	<u>Vendor</u>	<u>Amount</u>
Project Name and Number:	JWWTP HVAC Chiller Replacement , #4331, Marcelo Anglade	
• Consulting Services.	David L. Jensen & Associates	\$48,600
• JWWTP Lab upgrades.		\$12,200
Project Name and Number:	Treatment R&R-Item 1 JWWTP Blower Room, #4070, David McLean	
• Additional pipe insulation.	VanCon, Inc.	\$2,266
Project Name and Number:	465 East 3900 South Water Trailers Storage, #4330, Marcelo Anglade	
• Geotechnical investigation.	Geosyntec	\$28,980
Project Name and Number:	9800 S 2300 E Well Equipping, #4293, Kevin Rubow	
• Geotechnical investigation.	CRS	\$17,550
Project Name and Number:	32&62 Suction Vault Improvements, #4322, Kevin Rubow	
• Butterfly valve prepurchase.	Rocky Mountain Valve	\$58,026
Project Name and Number:	2024 Distribution Pipeline Replacements, #4323, Conor Tyson	
• Brass corp stops.	Core & Main	\$8,006
Project Name and Number:	Concrete Replacement at Dry Creek, #4328, Todd Peterson	
• Holladay city road permit.	Salt Lake Concrete	\$75
Project Name and Number:	4500 S 4800 W 5MG & 2MG Reservoir Evaluation, #4332, Marcelo Anglade	
• Consulting services.	Bowen, Collins & Associates	\$23,520
Project Name and Number:	13400 S Pipeline Betterment, #4338, Travis Christensen	
• 13400 South vault abandonment.	RLW/Clyde	\$43,889
Total Capital Project Approvals (Active Projects)		\$45,174,504

REPORT ON MEDIA COVERAGE

JORDAN VALLEY WATER CONSERVANCY DISTRICT

REPORT ON MEDIA COVERAGE TONE

January 10, 2024

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: November 1, 2023 – December 31, 2023

1. **Neutral** - Smith, H. (November 7, 2023) *Be Water Wise Prepared: Do you have 'water plans' in case of a disaster?* ABC4 News. <https://www.abc4.com/news/be-water-wise/be-water-wise-prepared-do-you-have-water-plans-in-case-of-a-disaster/>

News article about how residents can prepare for emergencies in terms of their own personal water supply. Jeff King (JVVCD Staff) is quoted in the article discussing how JVVCD is prepared for a potential water emergency.

2. **Neutral** - Olmedo, N. (November 9, 2023) *Water Documenters: Read meeting notes from the Jordan Valley Water Conservancy District.* Salt Lake Tribune. <https://www.sltrib.com/news/environment/2023/11/09/water-documenters-read-meeting/>

Article summarizing JVVCD's November Board meeting. The article named each board member and listed the names of each speaker. Several agenda items were discussed in detail, including the public hearing, the presentation by Laura Vernon (Great Salt Basin Planner), the water supply update, and the engineering reporting items.

3. **Neutral** - Smith, H. (November 21, 2023) *The LDS Church is making waterwise decisions in landscaping.* ABC4 News. <https://www.abc4.com/news/local-news/the-lds-church-is-making-waterwise-decisions-in-landscaping/>

News article about how the LDS Church is decreasing their water usage. The article quotes Cynthia Bee (JVVCD Staff) about JVVCD's role in coordinating with the church on waterwise landscaping.

4. **Positive** - Harmer, A. (November 24, 2023) *5 ways to 'Opt Outside' in Utah this Black Friday.* Deseret News. <https://www.deseret.com/2023/11/24/23966164/rei-opt-outside>

News article about different ways Utahns can spend time outdoors this fall, specifically on Black Friday. The article mentions Conservation Garden Park as an option to learn about native plants and conservation.

5. **Positive** - Penrod, E. (December 1, 2023) *How saving Great Salt Lake could make life in our cities more livable.* Salt Lake Tribune. <https://www.sltrib.com/news/environment/2023/12/01/how-saving-great-salt-lake-could/>

News article about the Salt Lake County Council's plan for future growth, and how it

incorporates water conservation efforts. The article discusses JWCD's participation in the planning process, and quotes Courtney Brown (JWCD Staff). Mr. Brown explained the importance of waterwise landscaping, especially in new development.

A version of this article also appeared in Standard Examiner and Deseret News.

6. **Neutral** - Workman, K. (December 5, 2023) *Utah water conservation officers talk about easy ways to save water and money*. KSL.com.

<https://www.ksl.com/article/50807493/utah-water-conservation-officers-talk-about-easy-ways-to-save-water-and-money>

News article about how individuals can save water around their house. Courtney Brown (JWCD Staff) is quoted extensively on a variety of ways to save water, including toilet replacement and intentional irrigation practices. The article also mentions UtahWaterSavers.com as a resource.

7. **Positive** - Rascon, D. and Culbertson, M. (December 5, 2023) *West Jordan water district offers locals help amid Great Salt Lake water crisis*. KSLtv.com.

<https://ksltv.com/605914/west-jordan-water-district-offers-locals-help-amid-great-salt-lake-water-crisis/>

News article about recent efforts by government officials and state entities to conserve water. The article quotes Alan Packard (JWCD Staff) explaining Localscapes as well as the benefits of water efficiency standards for new construction.

8. **Neutral** – Walser, G. (December 13, 2023) *Water Documenters: Read meeting notes from the Jordan River Commission Governing Board Meeting*. Salt Lake Tribune.

<https://www.sltrib.com/news/environment/2023/12/13/water-documenters-read-meeting/>

News article summarizing the December 7th Board Meeting of the Jordan River Commission. The article mentions Shazelle Terry (JWCD Staff) as a person in attendance representing JWCD.

9. **Neutral** – Larsen, L. (December 21, 2023) *Open Lands: Chasing a rumor that Utah wants to build another dam*. Salt Lake Tribune.

<https://www.sltrib.com/news/environment/2023/12/21/is-dam-really-coming-bear-river/>

Excerpt from a newsletter published by the Salt Lake Tribune discussing an alleged land acquisition for the Bear River Project. The story mentions JWCD as one of the main beneficiaries of the future project and points out that JWCD is not aware of any upcoming land purchases.

MEDIA COVERAGE

Rivers Council leader: ‘Can’t rely on Mother Nature’ to solve long-term water shortages in Great Salt Lake

“Utah is decades behind other states in both conserving water and in protecting our aquatic systems,” says Zach Frankel.

By SAIGE MILLER
RUEB

As Great Salt Lake experiences what is traditionally its lowest point of the year, things aren’t looking too bad.

“It’s been a good October,” said Ben Stireman, a deputy director in the Utah Division of Forestry, Fire and State Lands. “I hope that trend continues, and we do see the lake start to rise and do receive a good snowpack.”

At the U.S. Geological Survey measurement point in Saltair Boat Harbor, the current water levels sit at 4,192 feet above sea level and have hovered around that number for the last 30 days. While the lake isn’t expected to drop much more this year, the latest water levels aren’t far from 2022’s recorded low of 4,188 feet.

Utah’s record-setting snowpack this past winter did Great Salt Lake a favor. It gave the lake a water level boost, but not enough to remove it from the danger zone. More water is needed to lift it into the safety zone



RICK EGAN | The Salt Lake Tribune

Antelope Island is shown during an aerial tour of Great Salt Lake in September.

of around 4,200 feet. In that target range, its complex ecosystems could survive, as would its \$1.9 billion in yearly economic gains for the state.

If Utah does have another fruitful winter, Stireman said more of the snow runoff will make it to the lake. Last year, “there was a lot of making up to do” because reservoirs were empty and the soil was dry, so less trickled down. Since the reservoirs are in a better place and the soil isn’t parched this time around, snowmelt

is more likely to head straight to Great Salt Lake.

But there is only a very small chance Utah will experience another unparalleled snow year. In fact, it’s up in the air how this winter will play out. There is an equal chance of below and above-average precipitation. Zach Frankel, executive director of the environmental advocacy group Utah Rivers Council, said the state “can’t rely on Mother Nature” to solve Utah’s looming water problems.

In recent years, the Legislature and municipal governments have enacted policies that advocate for water conservation and methods to shepherd more water to Great Salt Lake. To Stireman, “it’ll take a little bit of time” before those recently passed policies are “put onto the ground.” But to Frankel, that pace is too slow.

“Utah is decades behind other states in both conserving water and in protecting our aquatic ecosystems,” he said. “Utah simply is not acting fast enough to do what is necessary to save Great Salt Lake.”

As a way to further sound the already-ringing alarm, the council released “The 4,200 Project Guidebook,” which outlines 12 policy proposals to put water back into Great Salt Lake. They range from the state level down to individual action. State leaders already haven’t had much of an appetite for some of the guidebook’s proposals, like establishing a water level goal.

During the 2023 legislative session, Democratic state Sen. Nate Blouin tried to pass a non-binding resolution to set a Great Salt Lake water level goal of 4,198 feet. It failed with Gov. Spencer Cox calling it a “dumb” proposal at his February monthly news conference with reporters. That same month, the university-backed

Great Salt Lake Strike Team advocated that the state accept a target water level range between 1,498 to 4,205 feet.

Sen. Blouin did not respond to KUER’s request for comment on if he plans to run the nonbinding resolution again.

One of the big policy changes Frankel would like to see is the assurance that water donated by water rights holders will actually make its way to the lake and not be diverted to other water users in the process.

Utah doesn’t have the infrastructure to ensure that, but Republican State Rep. Casey Snider is working on getting the necessary money needed to make those upgrades.

“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 told FOX 13 News. “We don’t have that certainty now in our water delivery systems.”

Published through the Utah News Collaborative, a partnership of news organizations in Utah that aims to inform readers across the state.



Jeffrey D. Allred, Deseret News
The Delta reservoir spillway is shown as the Millard County Farm Bureau hosts a tour of alfalfa farms, water improvements and a dairy to showcase local agriculture in Delta on Sept. 6.

‘Throw a dart’

Northern Utah’s coming snowpack could go a variety of ways

By Amy Joi O’Donoghue
Deseret News

The hydrologist for the National Weather Service in Salt Lake City had a slew of possible scenarios predicting above or below precipitation moving into the winter.

As he showed multiple slides in a PowerPoint presentation given to the members of the Utah Emergency Management Council on Wednesday, Glen Merrill pointed to the various maps on one particular slide.

“Throw a dart,” he said, referring to the possible outcomes that could happen this water year.

While he said there was minimal chance for a repeat of last year’s record snowpack — about 1% — he said there remains room for optimism.

For instance, in October last year the situation was dire.

“The majority of the state was either in extreme or exceptional drought,” he said. “When we look at where we were standing last week, there is less than 10% of the state in moderate drought,” with that area being on the eastern border with Colorado.

While the U.S. Drought Monitor indicates some other areas are abnormally dry, those indicate regions hydrologists and others are just keeping a close eye on.

In terms of current water supplies and soil moisture?

“I will say that we have not been positioned as good as we are now and it is looking really good as we move into the cool season,” he said, likening conditions to 2011. “So that’s good news.”

The West is moving into an El Niño pattern, which is a warming of sea surface temperatures

north of the equator. That results in the shift of the jet stream, which Merrill described as the “conveyor belt” for storm systems.

It is a boost for the Southwest, with an increase in precipitation and cooler temperatures.

“The tables are tipped for that outcome in those areas,” he said.

When it comes to regions like the northern Rockies, it leaves Utah in the middle for precipitation.

Looking at the historical record of 29 El Niño episodes, it becomes a set of outcomes that are unpredictable, but Merrill says he remains optimistic for northern Utah due not only to El Niño, but because of other factors.

Soil moisture content, streams that have flows at average even as November is upon us, healthy reservoir levels — all of those things bode well for the state even if there is just an average snowpack next year.

“I like this outlook from where we stand right now,” he said.

Merrill said he expects it to be drier than normal through the end of 2023, but for the snowpack to kick into gear during those critical months of January through March.

“So let’s keep our fingers crossed that this pans out over time,” he said. “The good news is we know we are going to have water.”

Laura Haskell, an engineer with the Utah Division of Water Resources, gave a follow up presentation detailing those healthy stream flows, of which there is just a small minority that are below normal.

Additionally, the majority of Utah reservoirs are moving into this season at about 80% full, which bodes well for next year’s water supply, she added.

Utah is paying millions to get water to Great Salt Lake. They want to make sure it gets there.

By CARTER WILLIAMS | KSL.com
and BEN WINSLOW | FOX 13 News

Taylorville » While Utah's Agricultural Water Optimization Program has the potential to save tens of thousands of acre-feet of water annually, Hannah Freeze says it may take years to know the true impact of the program.

"Our program is very young in terms of the data we have of how much water we've saved," said Freeze, the program's manager for the Utah Department of Agriculture and Food. "We're just barely having projects that are finished. So we don't have solid numbers."

Since 2020, the state has spent \$65 million on grants to farmers and canal and irrigation companies to help them save water, with the idea that some of that water would benefit the Great Salt Lake.

As the state is set to release another \$200 million in optimization grants, lawmakers and advocacy groups are pushing for more assurances that the saved water makes it to the lake.

"With new legislation, we have the great opportunity to work now with the Division of Water Rights. Every project that we install has to have a meter on it so we can work with the Division of Water Rights to read those meters and get real accurate numbers of what [agriculture] is using, which has kind of been a data gap that we've had," Freeze said.

Changes to the program

The optimization program has become more complex since it launched three years ago, Freeze said. Officials began requiring applicants to include information about estimated water savings and then estimated

acre-feet saved, as state leaders pushed for more absolute data.

"We're just trying to figure out (how) to put all of those puzzle pieces together as we go," Freeze said.

The efforts to clear up confusion and provide concrete data are currently underway. The Utah Legislature passed Senate Bill 277 earlier this year, allocating \$200 million toward the program while implementing new rules and oversight to make it clearer how much water is being saved and where it goes.

The legislation essentially "married" the state's agricultural department with the Utah Department of Natural Resources and its water rights and water resources divisions to better track water data, Freeze explains.

The agencies now meet monthly as part of a newly formed committee that creates rules and prioritizes potential water-saving projects. It also fields applications from water users seeking to send water downstream to places like the Great Salt Lake.

It's just not known yet how much is getting there as a result of a program.

"It will be interesting to see what water we can get to the lake," Freeze said. "I would be excited to see that be part of the solution."

New efforts to track water

State lawmakers are not done pushing for more concrete data and proof that water is going to intended places when it is saved.

Pressed about whether water saved by agriculture optimization is actually getting into the Great Salt Lake, Rep. Casey Snider, R-Paradise, who helped push the optimization program in the Utah Legislature, said he doesn't really know.

"I believe that it is, but I can't tell you with



PHOTOS BY BRIAN NICHOLSON | Special to the Standard-Examiner

Trevor Nielson, right, of the Bear River Canal Co. talks last month about the new high tech gates and other issues with water officials during a tour of various canal sites in Box Elder County.

perfect certainty that it is," he said. "There isn't absolute assurance that the water that's being saved is going to make it to the absolute end of the ditch, which is the Great Salt Lake."

Conservation groups have pointed out the same flaw. Zach Frankel, executive of the nonprofit Utah Rivers Council, noted last month that there is nothing in statute that guarantees saved water ends up in the lake.

But Utah's Great Salt Lake Commissioner Brian Steed, executive director of Utah State University's Janet Quinney Lawson Institute for Land, Water & Air, said this doesn't mean the lake isn't benefiting.

The issue, he said, is that it's not quantifiable right now.

"What I would say is we don't know with enough data. And I think we need to have that better data to really ensure," he said.

That is something Snider said he intends to fix in the upcoming 2024 Utah State Legislature.

Snider is a chair of the bipartisan Great Salt Lake Caucus on Utah's Capitol Hill, which shepherds legislation impacting the lake through the House and Senate. He said he would seek money for better systems to monitor water savings and where it goes.

Researchers at Utah State University are helping the effort, teaming up with the Utah Division of Water Rights to evaluate how much water the state actually has. The work includes better monitoring systems to track how much water is being saved and where it goes, Steed said.

All of this could take time, though. Freeze said there really is no timetable for all the projects that received funding to go online. Once all of the funded projects are finished and online, it will take at least one full irrigation year to compare the project to previous years.

Snider said all of these changes should help with accountability.

"I think it's beholden upon us in the Legislature to ensure that the public's money is going to what the public has expressed an issue in preserving," he said.

Ag plays its part

There are other limitations to the program that add to its complexities. For example,

some farmers and ranchers fear losing their water rights if they use less water.

Freeze said some in the farming community feel that they "have a target on their back" and the state is coming to take their water, which she said "isn't the case."

Others don't have the money needed to cover half of a major optimization project as the program requires. Trevor Nielson, general manager of the Bear River Canal Co. in Box Elder County, said he would like to see the program expanded to allow modernization efforts to roll out more quickly.

He also thinks the state should compensate farmers who save water and send it to the Great Salt Lake.

The lake and its decline is certainly heavy on the minds of irrigation water users within its basin; however, Freeze said protecting a body of water as large as the lake will require more help than just optimizing irrigation water. She said other upstream water users will have to chip in, too, to help it recover.

"To say that this is the fix to the Great Salt Lake is entirely untrue," she said. "We can't carry the whole burden here in agriculture, but we're willing to do our part."

Tim Vandenaek from the Standard-Examiner contributed to this story.



Newer, high tech canals of the Bear River Canal Co., left, are replacing older canals, right, in an effort to conserve more water and decrease evaporation.

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Digital access

Costly water program's results a mystery

Utah spent millions to promote conservation in agriculture, but data on the impact is running dry.

By LEIA LARSEN
The Salt Lake Tribune

Utah has a water data collection problem.

One of the state's most expensive conservation projects to date — the Agricultural Water Optimization Program — isn't reporting information on changes in water consumption like it's supposed to. State lawmakers poured a significant amount of public funds into the program, managed by the Department of Agriculture and Food, but a legislative audit released this week found it needs better accounting.

"It is incumbent on UDAF to manage public funds according to

best practices so that those funds can be measured and maximized," the report says. "However, this has not occurred in critical ways."

The Water Optimization Program began in 2019. It provides state funds for farmers to upgrade their irrigation practices, with the farmers providing a 50-50 match. The program received a massive infusion of federal cash during the pandemic, with lawmakers tapping money from the American Rescue Plan Act. The state has issued \$65 million in grants through the program so far and plans to award \$200 million more in the coming year.

The program was meant to serve as a critical tool in getting

more water to the Great Salt Lake. With recent legislative changes to water law, the farmer gets to keep any conserved water and sell it for a public benefit, like leases to the desiccated lake or to help municipalities.

In order to prove the state's investment actually resulted in more water, however, grant recipients are supposed to submit an annual report on their water use for three years. The audit found that isn't happening.

The program has funded 332 projects across the state so far.

"As auditors, as you guys know, we love to be able to evaluate progress," said Madison Hoover, an audit supervisor for the Legislative Auditor General, at a legislative interim hearing Wednesday. "But unfortunately, because

Please see WATER, A5



LEAH HOGSTEN | *The Salt Lake Tribune*

The Bear River, the Great Salt Lake's largest tributary, flows into the Bear River Migratory Bird Refuge in August 2022.

Water

» Continued from A1

the program had not collected this needed information, we're unable to actually evaluate [whether] those outcomes actually matched the program's purpose."

The agriculture department called the effort a "great success." But legislative auditors said that's difficult to prove.

"Unfortunately," Hoover said, "the program did not ensure that enough data was collected on those completed projects to actually support their preliminary claims of early success."

The audit also knocked the department's lack of a strategic plan for the pricey program. It directed the department to the auditor general's own handbook for government agencies, released earlier this year, which outlines best practices and pitfalls.

"We see developing a formal strategic plan as the essential first step," Hoover said, "so that the program can set a clear direction, and also assess its own progress."

Craig Butters, commissioner of the Department of Agriculture and Food, told lawmakers his department didn't have enough completed projects to collect sufficient data. But he agreed both data reporting and a strategic plan for the program are "very important."

"We realize the importance of the program," Butters said. "We realize our



This audit proves that taxpayers are being fleeced if they think this water is going to the Great Salt Lake. The Legislature either needs to require water delivery to the Great Salt Lake with new legislation or yank the remaining \$200 million back."

ZACHARY FRANKEL
Utah Rivers Council executive director

responsibility."

The legislative auditor's office has conducted many water analyses over the last decade, but this week's report marks the first time it has looked into agricultural water use, auditors said, even though the industry diverts the vast majority of Utah's water. Farming and ranching use 61.5% of the available water in the Great Salt Lake basin, according to a report by the Great Salt Lake Strike Team released earlier this year.

The strike team identified agricultural water optimization as one of the most effective policy tools for saving the shrinking lake.

But the audit isn't the first public criticism of how Utah's water optimization program has been administered so far. Earlier this month, the Utah Rivers Council

released its vision for getting the Great Salt Lake back to a sustainable elevation.

The nonprofit water watchdog group called on lawmakers to require program participants to return water back to the state that's proportional to the public investment in irrigation upgrades — water state resource managers could then use to help environmental causes in arid Utah.

"This audit proves that taxpayers are being fleeced if they think this water is going to the Great Salt Lake," said Zachary Frankel, executive director of the nonprofit, in a news release. "The Legislature either needs to require water delivery to the Great Salt Lake with new legislation or yank the remaining \$200 million back."

The legislative audit also investigated the Division of Water Rights and Division of Water Resources. It found the agencies could better manage water data and present it in a format that's more transparent. It further called on state regulators to improve monitoring and protection of groundwater. Over-pumped aquifers have caused shortages across Utah.

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

LDS Church starts waterwise pilot program in Utah

Focus is on sustainability at Utah church buildings

BY GENELLE PUGMIRE
Daily Herald

Utah is the second-driest state in the U.S. and also headquarters of The Church of Jesus Christ of Latter-day Saints, with more than 2 million members within the state's borders.

In a follow-up to water conservation plans announced earlier this year by Bishop W. Christopher Waddell, first counselor in the Presiding Bishopric, at the Wallace Stegner Symposium at the University of Utah, six meetinghouses have had landscape makeovers with another in the planning stage as part of a pilot program.

According to the church, the goal with these makeovers is to

significantly decrease water usage by reducing grass lawns, improving irrigation systems and adding drought-tolerant, waterwise and native plants around select houses of worship. Church properties in Castle Dale, Clearfield, Ogden, Salt Lake City and St. George have already been worked on, with Lehi next in the pilot program.

Utah has 5,412 congregations, with approximately two in each building,

making about 2,700 church buildings statewide.

"Water conservation in this state is a critical issue for all of us. And it's certainly something the church is concerned about," said Jenica Sedgwick, the church's sustainability manager, in a press release. "It's an important part of our broader sustainability efforts, especially with concerns regarding the water levels of the Great Salt Lake."

Data gathered through the pilot project will be reviewed for the next two years and used to influence future church actions.

"We have more projects coming, so we'll be continually learning as we study which water conservation and sustainable landscape practices are most effective, the cost of those and what's possible," Sedgwick said.

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Waterwise

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"The outcomes of these pilots, along with other ongoing projects, will inform what we do in the future."

Among the scope of the church meetinghouse projects has been consideration of enhanced aesthetics, improved habitat for pollinators, a reduced heat island effect and better building accessibility through added walkways, the church's release said.

Landscapers working on a meetinghouse in Ogden are creating decorative dry-set walls to connect the grounds to the surrounding mountains.

"This pilot program gives us the opportunity to do something that's new, different," said Jim Puffer, one of the church's landscape contractors, in the release.

"It's going to save a lot of water. It's going to save a lot of maintenance. The landscapes are just super clean. I'm hopeful that maybe (my own church) building, as well as others in the area, can be landscaped this same way so that it just brings a lot more

pride to our neighborhoods and to our community."

Tommy Carter, another landscape contractor working on the meetinghouse landscaping in Castle Dale, said the project aligns with religious instruction to care for the planet.

"I appreciate what the church is trying to do because we're here to take care of what God has given us," Carter said in the release. "The church is basically trying to set that example."

According to the church, lawns at new meetinghouses in Utah typically comprise no more than 35% of the landscape area, with the remainder covered by mulch, plants and trees. Elsewhere, the church's current practice is to create a waterwise landscape relevant to the water availability in other regions. In southern Nevada, for example, lawn is being removed completely.

"We're trying to find that sweet spot" between conservation, beauty and neighborhood fit, said David Wright, a landscape architect with the church's Meetinghouse Facilities Department. "How can we be conservation-minded and still have

a nice, attractive building that's complementary to the neighborhood? Ultimately, we would like to fit within the neighborhood and not be too over-the-top where we're shocking the neighbors. We want to do something that's acceptable."

The church says its Presiding Bishopric has made concerted efforts over the years to align the faith's sustainability practices more closely with its doctrine of earthly stewardship, which stresses caring for the earth, being wise stewards over it and preserving it for future generations. In the case of this pilot project, the goal is to gain a greater understanding of the best choices to landscape church buildings — especially those in arid climates.

"When it comes to taking care of the earth, we cannot afford to think only of today," Bishop L. Todd Budge, second counselor, said at Utah Valley University in October 2022. "The consequences of our actions, for better or worse, accumulate into the future and are sometimes felt only generations later. Stewardship requires feet and hands at work in the present with a gaze fixed on the future."


At a gathering at the University of Utah this past March, Waddell said that though the church's efforts have not been perfect, "there is a continual and ongoing churchwide effort to improve our care of natural resources, including the implementation of best practices and available technology to improve our water efficiency."

At a conference in Brazil in October, Bishop Gérald Caussé, presiding bishop of the church, listed water conservation through waterwise landscaping as one of the church's six major sustainability priorities.

At the church's October 2022 general conference, Caussé taught Latter-day Saints that "care of the earth and of our natural environment is a sacred responsibility entrusted to us by God, which should fill us with a deep sense of duty and humility. It is also an integral component of our discipleship."

"At the end of this mortal existence," Caussé said, "the Master will ask us to give an account for our sacred stewardship, including how we have cared for His creations."

Clip
45%



GREAT SALT LAKE COLLABORATIVE

How we can save farms & water

Programs to help modernize farm systems will increase efficiency and save resources.

By **EMMA PENROD**
Great Salt Lake Collaborative

For the 100-acre Johnson Family Farms in Cache County, things are generally looking up. Kelby Johnson, who runs the farm with his brother Braydon Johnson, recently left his side job to run the farm full time and spend more time with his three sons, who Kelby hopes will one day become the fifth generation of Johnson family farmers.

But first, he has to ensure the land remains a farm while pressure builds to sell to real estate developers, cut costs and save water for the Great Salt Lake.

The Johnsons have worked this particular farm in Cache County for the past 150 years. While the business has shifted from producing dairy, to raising hay, to today farming crops like onions, potatoes, peppers, tomatoes and squash, one thing is constant.

Photo: see SAVING WATER, A11

Steve Clyde uses a pivot irrigation system on his Kamas farm.

MEGAN NIELSEN | *Deseret News*

WWW.SLTTRIB.COM

Sunday, Nov. 26, 2023 A11

'I wish as a state we had ... more vision'

Save water

Continued from A3

"You have to have an awfully big dose of entrepreneurship to be a farmer," Kelly says. But for him, he says, "there isn't any other job that works band in hand with God to quite the extent that a farmer does. Because you can't control the weather, you can't control the markets, you can't control the bugs and the pests and the weeds and all the other things that eat out their life."

Kelby and his brother are well aware of the sorts of things out there on the horizon. They've both worked as agronomists, helping other farmers decide what kind of equipment to buy and how to manage their farms to make them more successful. They know of a handful of dairies in Cache County that have sold all their animals this year to pay off loans and try to remain financially solvent. Nearly all the costs of running a farm — labor, equipment, fuel and even water — have exploded in recent years, even as the price local grocery stores are willing to pay for their crops has decreased.

But when it comes to pressure to save the Great Salt Lake, saving water could help save the family farm. Though often seen as being at odds with one another, Utah's farms and the Great Salt Lake have a lot in common. Both have suffered as a result of the water crises of recent years, and neither is exempt from the tension building with the state's ongoing development and growth. Stark economic conditions for local farmers and for the lake have led some to suggest it's time for Utah to give up the pursuit of agriculture entirely and leave all that water for the lake.

But local food and agriculture play a deep role in Utah's sense of place and purpose. In a series of 2015 surveys, the nonprofit Envision Utah determined that 97% of the state's residents believe we should grow more food locally.

There are, experts say, alternative solutions that would allow Utah farms and the Great Salt Lake to not only coexist, but thrive side by side. For local farms to achieve financial sustainability, the cost of producing food locally must decrease dramatically. And many strategies for getting more water to the Great Salt Lake could also improve the financial outlook for local farms.

"If we could all work together for things that make sense for everyone, if we could put the differences aside and be honest and upfront, we could fix this in probably not very much time," Kelly Johnson says. "If we could get to that point, I think most everyone in us would love that. Because nobody is interested in a Great Salt Lake Dism. Nobody is interested in the environment getting wrecked."

STABILIZING THE GREAT SALT LAKE

Any discussion of restoring the Great Salt Lake inevitably brings farms into the mix. After all, agriculture as a sector uses more water than all the other sectors combined in Utah. Mostly to feed cows and other animals, it is the single largest use of water that would otherwise feed the lake.

While all this is true, some common beliefs about the relationship between the Great Salt Lake and Utah agriculture require some correction, according to Utah State University agrometeorologist extension specialist Matt Yost.

"Agricultural water use has not increased in recent years. Yost says. The amount of water used by farmers on the Wasatch Front has remained stable for the last several decades — and many estimates are decreasing. So agriculture is not to blame for the lake's rapid decline in recent years.

That said, it won't be possible to save the lake without the cooperation of Utah's farmers.

"We're finding that we can reduce consumption of water by probably 10-15% without affecting crop production. And most of that comes from reducing evaporation — that's the major way we lose water that we can't get back," Yost says. "And if we do that across the board, we estimate we could send nearly 300,000 acre feet of water [year] to the lake without affecting crop production."

That's about the minimum needed to raise the lake to 4,165 feet over 20 years.

Emerging technologies could potentially reduce water use from farms even further, and in many cases they could prove a boon to the farmers as well as the environment.



Farmer Kelly Johnson, above, stands next to a water channeling system, closeup at right, for drip-line irrigation on his property in Benson, a Cache County community.



Harsh economic realities.

Farming in Utah is naturally difficult. The high elevation, short growing season and yes, the lack of water, limit the number of viable crops farmers can choose from. Meanwhile, low-cost goods from national and international competitors with more favorable climates have cut profit margins razor-thin.

Faced with these economic, Utah farmers have engaged in a variety of solutions. Some have decided to exit farming entirely; the value of the land and water they own often exceeds the value of the crops they can produce, so they sell their property to developers. Between 2007-2022, Utah saw more than 500 farms go out of business, according to the USDA's National Agricultural Statistics Service.

Other farmers like the Johnsons who want to see their farms stay in the family have opted to take second jobs to supplement their income and keep the farm afloat.

"It's just a slow downward spiral for most farms," Kelly Johnson says. "There's not a lot of money in growing hay, so the kids say 'OK, guess I'll get a real job' and eventually there's no one left to take over and they're left with the only option — selling out."

Breaking the cycle, Kelly says, is a real challenge for farmers already dealing with slim margins. The Johnsons had hoped to shore up their own economic future by expanding their farm, but recently watched a plot of land they'd hoped to buy, sell to real estate developers at prices the Johnsons consider very high to hope to pay.

"To see that go away because they can make a buck of a lot more money — you can't blame them for that, everyone has to watch out for their own," Kelly says. "But it's sure hard when you work hard for something like that for a long time to watch it leave for a lot higher dollar."

SILVER BUCKSHOT

The complexity of the challenges facing both the Great Salt Lake and local agriculture means no one approach is likely to resolve either situation, says Emily Lewis, a partner at Clyde Snow Attorneys at Law who acts as project manager for the Utah Statewide Water Marketing Project, a water banking initiative that pays the owners of water rights to allow their water to flow to the lake. She prefers what she calls a "silver buckshot" approach — that is, the application of several smaller, but all effective, strategies all at once.

Yost points to vertical farming as one possible solution. Crops are grown in vertically stacked layers in a controlled environment that eliminates evaporation and recycles water. Vertical farms produce feed for animals — think hay and alfalfa — can produce more feed on less land, while also reducing water use by 90%.

Agrirobotics — the practice of installing robotic ponds on farmland and growing crops in between — could also prove effective, Yost says. While from these losses could help decrease

Jeff Gaudin



Save Clyde stands by a flume, a human-made channel for water, at his ranch in Kanab.

the panels help reduce water loss by shading plants from intense sunlight, and the income from the solar panels helps boost farm profit margins.

And still other, if perhaps less futuristic, solutions might work. There are conventional solutions such as hoop houses and greenhouses that allow crops to be grown in enclosed or indoor spaces, which reduces water loss and expands the growing season. Newer irrigation equipment including smart-phone connected pivot sprinklers to be operated by computer software that estimates crop water needs, and they can reduce water use 20% to 40% for the majority of existing farms, according to Jim Bowcott, director of the Utah Department of Agriculture and Food's conservation division.

Even changing from the practice of flood irrigation to a similar but newer surge irrigation concept could prove effective, Bowcott says. Flood irrigation does have some benefits for the Great Salt Lake and the environment — routinely dousing fields to water crops helps recharge soils and the aquifers beneath them, and the unused water eventually finds its way to the lake. But exposing all that water to the open air for extended periods of time comes with high evaporation losses, and it can result in uneven watering that reduces crop productivity.

Surge irrigation follows a similar idea, but with new technology. The field is laser-leveled to ensure water can spread evenly across the surface, and then sprinklers placed strategically throughout the field open up and push a pulse of water across the field — just enough to dampen the soil around sensors placed beneath the field. It's a new concept, but based on two farms where it has been installed in Box Elder County, it could prove as, or even more, water efficient than pivot-based sprinkler systems, Bowcott says.

All of these strategies have the potential to increase farm profits either by reducing costs, or raising farm revenues. And the water savings could also benefit the farms' bottom line: farmers can lease the water they own but don't use to other parties — including, potentially, water banks established to the Great Salt Lake. As with other solutions, the revenue from these leases could help decrease

appropriation of funds, Bowcott says the department sees interest in the program grow every time they open a new round of water project applications. In 2022, the program paid for upgrades to 105 farms saving over 80,000 acre feet of water or enough to raise the Great Salt Lake by more than an inch.

A BLUE NEW DEAL FOR UTAH FARMS

The Johnson Family Farm is already pretty water-wise, having replaced most of their older irrigation systems with pivot or drip-based water systems, Kelly Johnson says. But he sees ample potential for implementing water conservation at other farms — and they themselves have a few remaining fields that could stand to be upgraded.

But while conservation is generally good for a farm's bottom line, Kelly says it isn't just the upfront cost that has prevented him and other farmers from making upgrades to their irrigation systems. The front loading, he says, is that he and other farmers do not trust state officials, and they remain leery of taking state money that they fear could have hidden strings attached.

For the last several decades, Kelly says, the state's attitude toward farmers has been that they must use their water, or else lose it. The funding of water conservation at other farms — and they themselves have a few remaining fields that could stand to be upgraded.

"None of us are interested in losing one of the most important parts of our operation, especially after everything we have done to make it what it is," Kelly says. "Do we want the Great Salt Lake to go dry? No, I do not think anybody does. But how do we solve that problem? It's going to have to come from people being personally motivated to make changes, and you personally motivate people by putting it in their best interest."

There is, in Kelly's estimation, a potential solution to some of the challenges the lake faces, though it's not an industry that relies on the lake — mineral extraction, brine shrimp, recreation, even real estate — will increase. They are and they will increase as a result of growing prosperity in those industries, putting more money in the state budget. Given that agriculture is the largest economic user of water, and given the outdated sacrifice farmers will have to make to realize this future for the benefit of all, Kelly argues that it would be reasonable for the state to make some of the financial benefits back to the farmers themselves in the form of greater ag-oriented economic development.

"This isn't to say that the state doesn't have a role in promoting agricultural economic development, Kelly says — they do. But he recently watched a grant be applied for by a local farmer to help fund a new agricultural business, suggesting to him that saving agriculture is not something the state takes very seriously.

Meanwhile, Utah farmers have struggled to get a fair price for their goods and wares. Since his local grain elevator went out of business, Kelly says he must drive to Idaho to sell grain — travel costs that further erode his ability to stay afloat.

"I wish as a state we had a little more vision and foresight to create better markets for agriculture, because right now we are losing a lot of our options," Kelly says.

Thinking outside the box may be exactly what the state needs if it wants to both save the Great Salt Lake, and preserve local agriculture, says Lewis, the water banking project manager. The state has made significant strides toward protecting the lake in recent years, but she says the process they have realized the importance of listening to the state's agricultural producers in order to fine-tune conservation programs in, and remain responsive to the needs of local farmers — whether those needs involve changes to state tax policies, or support for agricultural supply chains.

"It's more than just asking the producers to do something different," she says. "I want to take the state off pivot, but I don't want to, and then pick it back up. To make real change, every aspect of the state needs to have a water bend in it."

Editor's note: This story is part of a series of stories by the Great Salt Lake Collaborative that asks the question: Why save the Great Salt Lake? It explores what opportunities open up in agriculture, daily life, industry and recreation by restoring the lake.

PAYING THE BILL

Clyde himself has struggled to scrape together enough savings to upgrade his irrigation system. He spent 20 years paying off two irrigation plots he owns with the aid of a low-interest loan through the Natural Resources Conservation Service.

"We're a fairly large operation," Clyde says, "but if you have a [small] 10-acre farm, realistically you're not going to get there." Selling your water and your land to the highest bidding real estate developer is, in a growing number of cases, the only financially feasible option.

This is where programs such as the Utah Department of Agriculture's water optimization fund, which received \$200 million from the state Legislature this year, comes into play. This program provides farmers with grants of up to \$800,000 to install water-saving technologies on their farm — with the caveat that the water savings cannot be used to increase the farm's irrigated crop land. That is, the savings must permanently reduce the farm's water use.

Although the program started with a single, relatively small

ENVIRONMENT

The Great Salt Lake and Colorado River are at a pivotal crossroad

By Amy Joi O'Donoghue
Deseret News

Is the glass half full or is it half empty?

In a reality that involves the Great Salt Lake shrinking to its lowest historical level a year ago and the Colorado River struggling to meet the demands of more than 40 million people and close to five million acres of irrigated farmland, as well as power supply from Glen Canyon Dam, it appears the glass is draining fast.

Consider that the entire Colorado River Basin — which serves seven states in the West, Mexico and more than 30 Native American tribes — has an economic value of \$1.4 trillion.

Also consider that the Colorado River supplies one third of Utah's water, supports 26% of its agriculture and provides drinking water for 1.3 million people in Utah.

At the Utah Water Symposium in Orem hosted by the Utah House of Representatives on Thursday, Amy Haas said in one respect, a compact forged 100 years ago was set up to disappoint.

Haas, who is executive director of the Colorado River Authority of Utah, said when the compact was approved, the flows in the Colorado River were around 18 million acre-feet of water. Today? That available resource sits at about 12 million acre-feet.

When you add to that a growing population, increasing energy demands and new diversions, it's easy to see why the operating guidelines currently in place into 2026 will be revamped by the U.S. Bureau of Reclamation. No one is quite sure what the revisions will mean and how things will look going into the future in an uncertain climate complicated by environmental obligations and economic factors.

The Upper Basin states — Utah, Wyoming, Colorado and New Mexico — have never failed to meet deliveries of available water of 7.5 million acre-feet a year to their sister states. Additional water has long been sent downstream — to the benefit of states in the Lower Basin: Nevada, California and Arizona.

Again, consider that Lake Powell in 1999 was 92% full. In 2022, it was 26% full.

The federal government and other players in the game took drastic steps to keep Lake Powell at an amount of water to continue to generate power from the Glen Canyon Dam.

Under an agreement, \$88,000 acre-feet of water was siphoned off Flaming Gorge.

But Haas said some of that water went on to help Lake Mead and those Lower Basin states.

"Lake Powell was not intended to suffer," she said, adding that will change. "It's go time."

Haas said the "structural deficit" on the Colorado River is about 1.6 million acre-feet of water due to overuse in the Lower Basin states.

Haas said this sets up a tricky situation.

"The Lower Basin uses just under 10 million acre-feet and the Upper Basin uses an average of about 4.5 million acre-feet per year with the notable exception of 2021 where our use was about 3.5 million acre-feet."

Lake Mead is the largest human-made reservoir in the United States, followed by Lake Powell.



The Colorado River cuts a channel through sediment where Lake Powell has receded in southern Utah on July 22, 2022.

Spenser Heaps, Deseret News

Haas said the Lower Basin states have been able to maintain their hydrological conditions due to current management of the river.

"While they are draining Lake Mead, they are also pulling (down) Lake Powell along with it," she said. "This, perversely, is allowed under the current criteria governing the river."

As states move forward toward the 2026 negotiations on the operating guidelines on the river, Haas said the Upper Basin states have a keen interest in hanging onto their water.

"Keeping that water upstream largely to the benefit of the Upper Basin in terms that this is bonus water, and again, that we are sending far more water than we are obligated to downstream, is definitely going to be an issue, if not a major issue, in the renegotiation of the guidelines for the river," she said.

The Great Salt Lake dilemma

Newly chosen House Speaker Mike Schultz, R-Hooper, convened his third annual summit, originally started by his predecessor Rep. Brad Wilson, R-Kaysville.

Schultz, whose neighbor literally is the Great Salt Lake, praised the recent foresight of lawmakers and other policy influencers for coming to the table, answering a wakeup call and making changes in terms of water resources.

"We have made tremendous progress in water conservation and efficient management practices that have truly changed the way Utahns think about water in our beloved state.

Today, we hope to build upon that momentum and expand the conversation. Let's take a holistic view and address the challenges of all of Utah's water systems from the Bear Lake to the Colorado River."

Schultz cited a number of new laws that address water scarcity in Utah and a growing awareness of how important protecting this finite resource is.

He emphasized the collaboration has been inspired by a crisis that is facing the state now.

"We have nonprofit leaders, state officials, industry experts, and everyday citizens all come together in a way that we don't often see, especially in today's political environment and world to help save the Great Salt Lake to recognize that we don't have enough water in this state to collectively move forward."

In times of climate uncertainty, Great Salt Lake Commissioner Brian Steed said it is imperative moving forward to continue to come up with innovative ways to conserve water and get every water user on board.

The Great Salt Lake, he said, has three major tributaries: the Bear River, which provides about 60% of the water flowing into the lake, the Jordan River which is about 22% of the water, and the Weber River, which contributes about 18%.

"Over time, you'll notice that water inputs have been falling," he said. "That's largely due to human diversions off of those main stems of those bodies of water."

But when it comes to half full or half empty, Steed is the type of natural resources expert who says he sees a way Utah can dig its way out of this, to benefit not only the state but its ecological and economic value to the world.

While his new role as the Great Salt Lake commissioner has kept him up at night and worries him a lot, he's invested in change.

"Overall, I remain incredibly optimistic that we're going to be able to get it right."

Afterward, Schultz told the Deseret News he, too, is optimistic given how attitudes have changed in Utah when it comes to water, especially the Great Salt Lake.

A Hooper resident, he recalls a time 40 years ago when most residents viewed water going to the lake as wasted.

"People are thinking about it differently and it excites me," he said.

The Great Salt Lake, he emphasized, is not just a Wasatch Front problem, but a problem for the rest of the state and the country that has been underscored by the drought.

It is incumbent upon water users, the state, lawmakers, policy experts and surrounding states to arrive at solutions to deal with water scarcity in Utah in general.

"It's got to be a bigger discussion about just the Great Salt Lake because we have to find that balance."

He added that he thinks with innovations, that will happen.

"We're excited to dive into that."

Legislators may revisit controversial Bear River pipeline, environmental group says

If considered, House speaker Schultz says the proposal would need to be responsibly rethought in the wake of Great Salt Lake's decline.

By BEN WINSLOW
FOX 13

An environmental group claims some Utah lawmakers may be planning to restart the controversial Bear River pipeline project, which could significantly harm the Great Salt Lake.

Grow the Flow has been sounding an alarm in social media posts and outreach to its supporters about plans by a "small group of influential legislators" to purchase land for a reservoir in northern Utah. It says this could kickstart the Bear River Water Development project.

"This project would divert 220,000 acre feet of water away from the lake yearly," said Jake Dreyfous, Grow the Flow's government relations coordinator. "To put that in context? Water savings from these amazing efforts by the legislature over the last two years have conserved in the ballpark of 60,000 to 100,000 acre feet. So this is two-to-three times more water than they've saved."

The group won't say exactly who those legislators are. Grow the Flow said it has information passed on from a source on Utah's Capitol Hill and they are trying to protect that.

"It's a select group of legislators," Dreyfous told FOX 13 News. "Out of respect to our source, we're trying to keep those names under the radar right now in the hopes that we can, you know, rally the large constituency of the legislature that is against this project and sort of — not force the hand — but push these legislators to make the right decision."

The Bear River Water Development project has existed on paper since 1991. It was a plan to divert water headed toward the Great Salt Lake toward other needs, like Utah's population. The project has



The Bear River flows into the Bear River Migratory Bird Refuge in this August 2022 aerial photo.

LEAH HOGSTEN | The Salt Lake Tribune

never gotten off the ground because of significant pushback and a lack of need for it. Even Utah's Division of Water Resources has said given conservation and other measures, it would not be needed until at least 2050.

Still, the state has socked away money for it and has been purchasing land as it has become available, as statute dictates. The situation facing the Great Salt Lake, which hit a record low last year and presents an ecological crisis for northern Utah, has given environmental groups ammunition to call for the Bear River project to be repealed entirely. Lawmakers have been resistant to it over the years.

While there may be political will to support the Bear River Water Development project, the practical reality is there isn't enough water.

"We don't have the water to give, to fund any kind of a reservoir at

this point in time," said Sen. Scott Sandall, R-Tremonton, who runs water legislation for the Republican supermajority in the Utah State Senate.

Sen. Sandall told FOX 13 News he was unaware of any bill or funding request restarting the pipeline project.

"At least right now ... I know of no legislation that is contemplating re-opening those sites," he said. "Maybe it's an idea that we need to re-look at. We need to assess what that plan should look like."

Sen. Sandall's district would include the pipeline project area. He acknowledged it faces a difficult future.

"I think we need to keep it on the books, but I think a lot of things need to change," he told FOX 13 News. "We need to find the water molecules before we probably proceed with too much as a state."

If a plan were to be resurrected, either in the form of a bill or a funding allocation, it would no doubt face significant pushback from environmental groups and the public concerned about protecting the Great Salt Lake. There would also likely be lawsuits.

House Speaker Mike Schultz, R-Hooper, told FOX 13 News that while the Bear River pipeline is on paper "it needs to be rethought, honestly."

"One thing that we do know is that we need an all-of-the-above approach and water storage and capacity has to be talked about. But it needs to be talked about in a much more responsible way than has been done in the past," Speaker Schultz said.

While he is in favor of more reservoirs, the House Speaker said he doesn't see the current proposal advancing. At his water summit at

Utah Valley University on Thursday, Speaker Schultz pushed conservation across all sectors.

"Bear River pipeline is the past. No, it's not going to move forward as-is. Bear River pipeline in a different manner or different form? Let's look and see what the options are and go from there," he told FOX 13 News.

Grow the Flow hosted a webinar to talk about its concerns and reiterated it and other groups want to see the Bear River project wiped off the books forever.

It urged people to talk to their elected lawmakers to get them on the record with a stance on the Bear River Water Development project.

Published through the Utah News Collaborative, a partnership of news organizations in Utah that aims to inform readers across the state.



PHOTOS BY FRANCISCO KJOLSETH | The Salt Lake Tribune

Kevin Cotner, right, a farmer along the Price River, and Colorado River Authority engineer Lily Bosworth discuss the perks and challenges of leasing irrigation water in the over-tapped arid West.

‘For us to get credit for water savings, we’ll have to be able to track it’

Water leases

Continued from A1

“It’s yet another cash crop.” Cotner just wrapped up his third season participating in the Upper Colorado Basin Commission’s water leasing project, called the System Conservation Pilot Program. He irrigated 450 acres this year and left 630 acres fallow. He got paid up to \$650 per acre-foot left instream.

But, if Cotner’s participation in the pilot water leasing plan isn’t purely based on economics.

“This is a hard ag area to make a living. Things are pretty severe,” he said. “We’re transforming the desert. Water is one of the big issues.” Cotner serves as the president of the Carbon Canal Company, and policing use is part of his daily life.

“I’m the bad cop,” he said. “I’m the water guy.”

Even after Utah saw record-breaking snowpack and runoff last winter, Cotner said drought is becoming the norm rather than an exception. Last year, his canal company could only deliver shareholders 38% of the water they’re entitled to on paper.

“That was a hard summer,” he said. “A lot of unhappy people.”

WHY FARMERS WILL PLAY A CRUCIAL ROLE IN SOLVING THE COLORADO RIVER CRISIS

Booming growth in the West is driving more demand for water, but human-fueled climate change, aridification and an over-allocated system have ensured it remains in short supply.

The water leasing pilot is one strategy Upper Basin states identified to get demand back in sync with reality in the Colorado River system.

All the water Cotner conserved by following his fields stayed in the Carbon Canal, making its way back to the Price River, eventually flowing to the Colorado River and Lake Powell reservoir. It will then flow to thirty Lower Basin states like Arizona and California, helping the Upper Basin fulfill its obligations under the century-old Colorado River Compact.

At least that’s how it’s supposed to work. As of now, Utah and other Upper Basin states don’t have the ability to track where the saved water goes, or ensure another irrigator downstream doesn’t divert it away.

“We want to get there,” said Lily Bosworth, a staff engineer with the Colorado River Authority of Utah. “That’s our goal.”

Utah had 20 irrigators complete Colorado River water leasing projects this year, mostly in the Price watershed, up from six participants



Top ▶ A head gate belonging to one of 238 shareholders along the Carbon Canal near Price is locked and unlocked by a water master — depending on usage. Above ▶ Kevin Cotner climbs into his pickup truck on his Price River property where he participated in a water leasing program that paid him to leave some water in the watershed.

the last time the Upper Colorado Commission ran the pilot program in 2018. Leases conserved an estimated 15,090 acre-feet in 2023, Bosworth said. An acre-foot is about enough water to supply two households for a year.

It’s just a blip in the context of the Colorado River’s needs. Last year, the U.S. Bureau of Reclamation called on the seven states that rely on the basin’s water — Utah, Colorado, Wyoming, New Mexico, Nevada, Arizona and California — to figure out how to conserve up to 4 million acre-feet. They have

so far failed to figure out a long-term plan. It’s clear, however, that farmers will play a big role. Agriculture uses nearly 80% of the Colorado River’s water, and the majority of that is used to grow alfalfa and feed for beef.

Bosworth said it’s possible to convince enough irrigators to lease their water and make a difference. “Folks like Kevin, who are willing to try it and have a lot of connections in the community, that’s the best way,” she said. “Because I can’t come in and tell people what

to do.” Jordan Nielson, Trout Unlimited Utah’s water and habitat program director, helps farmers wade through the paperwork so they can participate in the program. Farmers understand adapting to the demands and limitations of their environment, he said, like converting flood irrigation to more efficient pivot watering. “In an ideal world, we create a program where the ag community is using water [leasing] as part of their crop rotation,” he said. But the success of the water

leasing program, he added, “depends on how well the states and the Upper Colorado River Commission develop a relationship with the ag community.”

Program participants ran into a frustrating situation this year, when the Bureau of Reclamation initially said it would cap payments at \$650 per acre-foot, then later revised it down to \$596 for farmers like Cotner who raise alfalfa to sell, and \$621 for those who grow alfalfa to feed their own cattle herds.

“The state of Utah stepped up and covered that gap,” Nielson said. “That says they were serious about a relationship with the ag community.”

The Colorado River Authority of Utah chipped in \$105,000 to cover the difference, Bosworth confirmed. All said, Utah farmers received \$5.4 million in state and federal funds to fallow fields and lease water in 2023.

“It was painful and messy,” Bosworth said, “but we learned a lot.”

Perhaps the biggest challenge in convincing farmers to lease water is coming up with the right compensation.

“One big lesson from that process of looking at pricing is that there are these micro-economies and microclimates,” Bosworth said. “And so [prices] can vary even within the state.”

The biggest challenge in benefiting the Colorado River system as a whole is making sure the water ends up where it’s supposed to go.

For the pilot, officials like Bosworth currently verify crop fallowing happens and the irrigation gates are turned off. But getting conserved water to places like Lake Powell takes all kinds of paperwork and change applications filed with the Utah Division of Water Rights. The Utah Legislature recently gave the state engineer authority to shepherd and distribute saved water downstream.

“Long term, for us to get credit for water savings,” Bosworth said, “we’ll have to be able to track it.”

Most of Utah’s water rights also aren’t held by individual farmers. They’re owned by the hundreds of canal companies across the state, who issue shares to irrigators and have their own unique policies and procedures. Some of those companies refuse to let a single drop diverted go to any other purpose but farming, Bosworth said.

“Those companies just won’t talk to us,” she said. “One of the first farmers in the entire Colorado River basin to take a chance on the water leasing pilot, however, Cotner said he’s seeing things change, little by little.

“People have to see somebody else put their toe in the water and see if they get bit, or what’s gonna happen,” he said. “The more you do this, the more interest comes in.”

A first of its kind project to save Utah's water supply features divers

By Amy Joi O'Donoghue
Deseret News

What do you do with aging infrastructure that is nearly 100 feet below water at one of the state's most critical water supply reservoirs that is also a huge recreational asset and vital to the environment?

You refurbish it via a \$100 million, yearslong project that is a first of its kind in Utah, utilizing barges, huge cranes, precast cement slabs that fit together like a puzzle, a team of engineers and divers who do their construction work in the "wet" — deep below the surface of Deer Creek Reservoir.

This type of work that began in earnest this spring and will wrap up three years from now stems from 80-year-old guard gates that facilitate the release of water downstream into the Provo River.

Some of the parts on the gates are no longer still manufactured or have to be specifically made.

The Provo River Water Users Association convened the project after noticing several years ago some irregularities on the gates' opening and closing.

"That's what really spurred this entire project," said Dave Faux, land facilities manager for the association. "We wanted to be ahead of the game and do something before the gate absolutely fails."

How to fix Deer Creek Reservoir

Faux said a lot of planning had to happen at the front end of the project with design and engineering work to fix a problem confounded by the reservoir's critical nature.

"We've got environmental concerns we need to worry about. We have to worry about making sure we're maintaining a water supply to 1.5 million people and a lot of water moves through the power plant, through the dam. So there is a lot of things to consider for that five-year process. We came to the conclusion that it is going to be far better

to do this in the water than to drain the reservoir or mess up the ecosystem."

The project at completion will also have an improved chance of withstanding vulnerability posed by the invasive quagga mussel, in which there was a scare at Deer Creek several years ago.

Brad Jorgensen, operations and engineering manager for the association, said the concrete panels that have a total weight of 250,000 pounds are assembled on land.

They are then pushed over to the barge by tugboats and then hoisted into the water from Sailboat Beach day-use area, the staging area for construction.

Jorgensen said it is similar to what a home's foundation would need.

A team of six divers enter the water one by one and each is submerged for about 90 minutes completing the task at hand. The operation is monitored by a remote operated vehicle before the next diver goes in, and

then the next.

Deer Creek is not unlike other examples of intricate water infrastructure in need of repair, with construction upgrades that have occurred at the dam that impounds Yuba, and DMAD in Millard County, the drawing down at Echo for seismic upgrades and raising the Arthur V. Watkins Dam at Willard Bay.

Aqueducts along the Wasatch Front that rest on or cross the Wasatch Fault are also on their way for much needed attention with the Utah Legislature granting a financial assist to keep those water systems safe.

Both men said there is another good reason to not drain Deer Creek to facilitate the project work: the uncertainty inherent with Utah's water year and what it will deliver.

"We were very concerned with being able to fill that reservoir if we were to have drained it," Faux said.

For more information, visit prwua.org/projects/deer-creek-intake-project/.



Laura Seitz, Deseret News

Underwater infrastructure repairs continue at the Deer Creek Intake Project in Heber City on Nov. 15. The project is estimated to cost \$100,000,000 and will take 3 years to complete.



Laura Seitz, Deseret News

Underwater construction diver Christian Peterson enters the water to grout the panels of the intake structure at the Deer Creek Intake Project in Heber City on Nov. 15.

How saving Great Salt Lake could improve our communities, too

The designs of our metropolitan areas are integral to saving water — and creating environments that improve livability.

By EMMA PENROD | *The Great Salt Lake Collaborative*

Even as a professional landscape architect and city planner, water hasn't always been top of mind for Jake Young, the principal planner at Citi Design, a land use and planning firm in Farmington. Transportation and essential services? Yes. Zoning and housing? Yes. Water? Not so much — until about five years ago.

"I definitely believed [water conservation] was important all along, but I also

think I was in the same frame of mind as others — that the water districts will take care of the water. I would do my job as a city planner and designer, and the water agencies would do their job, and we didn't need to coordinate," Young says.

Working on the West General Plan — the Salt Lake County Council's plan for future growth and development on the

Please see WATER, A8



Jake Young, a landscape architect, designed this water-wise park strip in Farmington.

PHOTO BY RICK EGAN | *The Salt Lake Tribune*

A14 Sunday, Dec. 3, 2023

THE SALT LAKE TRIBUNE

Water

Continued from A9

sidewalk. You go inside and watch TV."

Solving this, Young says, requires a holistic approach to planning that replaces the sectioned-off city with more mixed-use development, smaller lots and intentional neighborhood design. You can't walk to a corner coffee shop or store that doesn't exist.

And the same principles that apply to urban design coincidentally apply to landscaping as well, Brown says. Water-wise doesn't mean replacing grass with gravel — it requires planning out specific places for gatherings and play. That, in turn, makes landscapes more functional than the conventional swing-set-atop-a-lawn setup, where the swing set and the automatic sprinklers often interfere with each other.

NATURALLY CONNECTED COMMUNITIES

As with landscaping, it's far easier to address urban design in new development, Young says. Bringing the Jordan Valley Water Conservancy District into the planning process educated him on where the county's water supply comes from, how it is used, and how various factors, such as housing density, impact water use. If you're going to make this kind of water-wise development happen, he says, you need to start from the ground up.

A model code called Growing Water Smart is coming to Utah. It suggests evaluating the impact of each development on the water supply, implementing the highest water efficiency standards for toilets and faucets in new development, reducing turf and water use outside and creating water-efficient land use patterns that prioritize high-density development. But it's not just the zoning and code that needs to change, Young says. Higher density requires fewer, but larger, water pipes to connect urban cores to existing and future sources of water.

Landscaping also factors into the planning equation. The link between wellness and access to green space is well known; wealthy individuals have "moved to the country" to combat chronic



PHOTOS BY BETHANY BAKER | *The Salt Lake Tribune*

Top » Courtney Brown, manager of conservation programs at the Jordan Valley Water Conservancy District, points out water conservation measures on display in a front yard model at Conservation Garden Park in West Jordan. Above » Laura Briefer, director of the Salt Lake City Department of Public Utilities, stands in a constructed wetland at 900 South.

health conditions since the dawn of the Industrial Revolution. This desire for green space — and a sense that the only way to guarantee access to it is to hoard it up in a private yard — has contributed significantly to urban sprawl, according to Elokda. To combat this, public green space must be incorporated into city plans from the beginning.

Public green space can exist on a grand scale — think New York City's famous Central Park — but it doesn't have to be that way. It can also take the shape of a small park with a few benches and trees tucked between apartment blocks, Elokda says. Or it could just mean

planting and maintaining trees between street lanes or sidewalks. The goal is frequent exposure to green spaces, even in small doses.

It also doesn't need to look like Central Park. There's a place for grass and trees, Young says, but he also holds that "if the only time you step on the grass is to mow it, then it probably shouldn't be grass." So grassy fields for soccer or baseball — absolutely, those are in. But smaller spaces between buildings should incorporate more native and waterwise vegetation, Young says.

"That waterwise landscape can look like it belongs in the mountains or the foothills. There's a lot

of variation," Young says. "It can be modern or prairie, mountain or traditional."

Restoring natural habitat and integrating it with built infrastructure such as water storage and water treatment can come with significant cost savings. Data from the National Park Service have determined, for example, that building seawalls results in five times more maintenance and repair costs than restoring coastal wetlands — and that habitat restoration is more effective at preventing hurricane-related property damage in coastal communities.

Salt Lake City has already embarked on developing an integrated watershed management plan that views drinking water, sewer and stormwater management as part of one larger ecosystem, according to Briefer, with Salt Lake City's public utilities department. Mountain snowpack feeds the system at the top of the watershed, and the Great Salt Lake receives it at the bottom. Restoring local waterways such as the Jordan River with native vegetation would create habitat, improve water quality, and potentially even attract investment to the west-side communities nearest to the Great Salt Lake, says Briefer.

"We'd have to be deliberate in how we go about that so we don't have unintentional impacts and to make sure we're lifting those communities up and not just displacing them," Briefer says.

Elokda believes integrating infrastructure planning with land-use planning that centers social connection could take this a step further. The cost of roads and pipes to individuals decreases when it's spread across 1,000 residents instead of 100 residents. Residents could use those savings in other areas of their lives right about now. "The greatest crises facing our cities today — affordability, homelessness and the environment — are all connected," he says.

TRANSITION PLANNING

In Young's view, the state is well on its way to addressing the need to address water use in community planning and new development. Senate Bill 110, which passed the state Legislature in 2022, requires municipalities around the state to

integrate water use and preservation into their general plan by the end of 2025. But he and other experts agree, it's not new development that presents the greatest challenge. It's retrofitting existing properties.

While Utah will have to deal with the effects and costs of urban sprawl for some time, Young does believe we have access to a viable, relatively immediate solution through replacing lawns with smaller dwelling units. And there is ample room to add new dwelling units to existing lots, Young says. In most cities, up to 10% of residential lots accommodate a second unit such as a basement apartment, but in Utah right now the average for most cities hovers between 1 to 5%.

This so-called "missing middle" of housing — twin homes, duplexes and other forms of attached housing — is the density sweet spot that research by Happy Cities and other parties suggests promotes connected communities and social well-being, Young says. They aren't skyscrapers, nor sprawling subdivisions. It's the kind of place you might actually get to know your neighbors over a barbecue in your shared backyard.

Shared efforts to improve our communities and reduce our water use could further boost cohesiveness and well-being. Perhaps what we need is not just a Flip Your Strip program, but an official, Flip Your Strip community block party.

For his part, Young says, emphasizing water and holistic planning in his professional practice has helped boost his own happiness as he's found a sense of purpose and connection in helping the Great Salt Lake, and the people who live around it.

"I'm going to stick with water conservation integrated into everything I do," he says. "It's a way of life — a way for a professional to be successful and also feel good about the work that you do."

Editor's note: This story is part of a series of stories by the Great Salt Lake Collaborative that asks the question: Why save the Great Salt Lake? It explores what opportunities open up in agriculture, daily life, industry and recreation by restoring the lake — or are ultimately lost without it. To view all the coverage, go to greatsaltlakemews.org.

Utah is sabotaging efforts to save Great Salt Lake

Last week, the state announced its “strategic” plan for planning to think about someday perhaps considering the possibility of contemplating throwing a “sustainable” bucket of “resilient” water in the direction of Great Salt Lake — three years from now. Anticipating this tepid, inadequate response, several environmental groups filed suit against the state in September. But what the state didn’t announce was multiple ways they are still actively permitting and promoting its demise. Peeking behind the curtain reveals not just foot dragging, but state duplicity, as well, and even more urgency for our lawsuit.

Last week, Utah’s Legislative Auditor General released a scathing audit that found Utah’s cornerstone solution to addressing the GSL crisis, the Agricultural Water Optimization Program, may not have sent a single drop to the lake. The Utah Department of Agriculture and Food (UDAF) failed to collect annual reports from grant recipients as statutorily required. Missing reports made it impossible for auditors to track how much water has actually been saved, or whether any of that water reached the lake — or just watered more alfalfa. At best, the apathy in finding out the results calls into question the state’s sincerity about saving the lake.

It gets worse, much worse.

Behind the scenes, key legislators are still squirreling away taxpayer money to fund the Bear River Development Project, which, by itself, would be a catastrophic blow to the lake because the Bear River is its largest tributary. They are crafting a bill to purchase 5,000 acres in Whites Valley northwest of Tremonton, to build a reservoir to steal 220,000 acre-ft more water from the Bear River annually — more than three times the amount of water savings achieved by recent water conservation programs in the GSL watershed.

Meanwhile, the Utah Inland Port Authority (UIPA) is hell bent on force feeding the Wasatch Front multiple new inland ports, totaling over 50,000 acres, most of which are on top of, or right next door to GSL and Utah Lake wetlands. We cannot save the



The shore of the Great Salt Lake on Sept. 16.

TRENT NELSON | Tribune file photo



BRIAN MOENCH

GSL ecosystem if we amputate its wetlands. UIPA claims their ports will not destroy wetlands and that their opponents who dispute those claims, i.e. Stop the Polluting Port Coalition and many others, are being dishonest with the public. To claim that smothering wetlands with roads, parking lots, massive warehouses, tens of thousands of diesel trucks, train tracks and a sea of asphalt and cement, miraculously doesn’t destroy them, is a fairy tale with an ugly, polluting ever after.

The Division of Air Quality will almost certainly grant a permit for a new, massive gravel pit/limestone quarry in Parley’s Canyon. Truth in advertising should force the state to replace its license plate slogan of “Life Elevated” to “Life Excavated.” Local

governments and environmental groups will likely sue to try and stop the mine, but among the many reasons to oppose it is the water consumption required in a failing attempt to suppress fugitive dust. It would require between 200,000 and 1,000,000 gallons of water annually per acre of denuded canyon land, according to

Dr. Gregory Carling at BYU.

Mike Schultz, the new House majority leader, is personally doing his part to dry up the lake. He has applied for drilling rights to withdraw 181 million gallons of water not far from GSL to build “one or two small reservoirs” he can use to raise cattle and alfalfa on his recently acquired 25,000 acre ranch. And he wipes away push back claiming his ranch is for “sustainability [no one can use that word too many times] between wildlife, habitat and the resource as a whole.” What?

Experts who challenge the dishonesty, hypocrisy, inaction or environmental disregard of the legislature’s bullying big wigs, can count on facing their wrath and retribution. Just ask Erica Gad-dis (fired from the DWQ), BYU

Professor Ben Abbott (loss of state grant money), Dr. Suzanne Harrison (denial of an Air Quality Board appointment) or Dr. Courtney Henley (insulted at a UIPA board meeting). All had the audacity and courage to tell an inconvenient truth on science and environmental issues that powerful legislators don’t want interfering with their developer-driven agenda.

Citizens and the courts can still save the lake, but shining a light on the legislature’s anti-environmental machinations is a necessary first step.

Dr. Brian Moench is president and co-founder of *Utah Physicians for a Healthy Environment*, one of the organizations suing the state to save the Great Salt Lake.

How Great Salt Lake helps feed the world

Saving the lake is vital because it makes a critical international industry — brine shrimp production — more sustainable.

By EMMA PENROD
The Great Salt Lake Collaborative

Nobody grows up thinking they'll work in the brine shrimp industry. At least Timothy Hawkes, a self-described "accidental sea monkey lawyer," didn't. He stumbled into the job of legal counsel for the Great Salt Lake Brine Shrimp Cooperative about seven years ago, early in his service in the Utah Legislature.

The next thing he knew, he was on a United Nations Food and Agriculture Organization-sponsored panel presenting information about management of the Great Salt Lake and whether it could produce enough brine shrimp to feed the world.

Utah, Hawkes says, longs for a place on the global stage. For years state leaders have argued for the importance of its agricultural products, for its potential to become a major energy producer — it even hosted the Winter Olympics. But as Utah cast about for a way to make its mark, the eyes of the world had already turned to the Beehive State. Not for its innovative tech companies or its picturesque national parks. No, they came to this

landlocked state for the seafood.

The world population is expected to grow by nearly 2 billion persons over the next 30 years, posing significant questions about how to feed all these additional people in the face of a changing climate, increasing urbanization and conflict in some of the world's most critical food-producing countries. Given the limits on how much more land and fresh water can be converted to agricultural use — and growing opposition around the world to the deforestation this would require — the Food and Agriculture Organization of the United Nations believes that industrial fish farming will be critical to preventing hunger in the future.

But like other livestock, farmed fish require a food source. And popular carnivorous species, including shrimp, prawns, crab, sea bass, snapper and many tropical fish species, cannot survive to adulthood without artemia — what we know in Utah as brine shrimp.

The Great Salt Lake, according to industry experts, is the world's single largest source of brine shrimp. And while this may come as a surprise to the locals, they say it's also the most sustainable source.

"The eyes of the world are on us — Utahns like that narrative, but the eyes of the world really are," Hawkes says. "If Utah can stick the landing — if we can execute that vision [of saving the Great Salt Lake] — people will come from all over the world to study what we did."



Great Salt Lake Artemia

Harvest watercraft encircle brine shrimp using containment booms in preparation for harvesting on Great Salt Lake.

BRINE SHRIMP 101

At first glance, the brine shrimp industry in Utah may appear modest, employing maybe 170 individuals within the state. But those numbers don't account for the global impact of brine shrimp, which support an estimated 10 million metric tons of seafood, produced mostly by a few big corporations and a lot of small family-owned fish and shrimp farms in developing economies in Latin America, Asia and Africa, according to Patrick Sorgeloos, a founder of the Artemia Reference Center at Ghent University, in Belgium.

This has not always been the case, Sorgeloos says — in fact it's a relatively recent development. As recently as the 1970s, leading experts in aquaculture believed a need for some form of tiny, live zooplankton would forever limit the domestic production of species like shrimp.

"At that time everyone was saying we can make a dried pellet, just like you feed chickens or pigs," Sorgeloos says. But they quickly realized that in their earliest life stages, shrimp and some carnivorous fish couldn't survive on pellet feed because they lacked critical digestive enzymes they would typically acquire from consuming live zooplankton in the wild.

The challenge, Sorgeloos continues, is that zooplankton don't lend themselves to being shipped and stored for convenient use by farmers. But artemia have adapted to live in some of the world's most extreme, and unstable, environments — saline lakes. Under stress, brine shrimp will produce cysts — often incorrectly referred to as eggs — to survive. In Utah these cysts help the artemia survive over the winter.

When dry, the cysts are naturally shelf stable, with the brine shrimp only emerging from their encysted state when reintroduced to water.

"You can ship them to Thailand, Malaysia, Indonesia, and you can have them on the shelf, and when you start your farming of shrimp, you can take a can of Great Salt Lake artemia cysts and the next morning have plankton food for your baby fish or shrimp," Sorgeloos says.

The idea, when early aquaculture pioneers first proposed it, seemed ludicrous. Brine shrimp were available at the time, but most came from coastal estuaries in San Francisco and they were sold for top dollar to hobbyists raising tropical fish in high-end aquariums. How was anyone going to feed a growing global population with such a scarce and expensive resource?

But there was another source of

artemia that could vastly increase the available supply — the Great Salt Lake. And that is how Utah's brine shrimp industry was born.

Today farmers from Vietnam and Indonesia — people who have never been to the United States — ask Hawkes about the health of the Great Salt Lake. Even here in Utah, if you buy a bag of frozen shrimp from the store, there's a 50-50 chance that shrimp was raised on artemia from the Great Salt Lake.

"It has a global impact that I think is poorly understood," Hawkes says. "If the Great Salt Lake goes away, it would drive up costs and limit our ability to produce food in a lot of the developing world, which complicates food scarcity and other problems. This is a body of water that very much has a global reach and a global impact, and if the Great Salt Lake went away, the world would be poorer for it."

GREAT SALT LAKE'S LEGACY

Given the explosive growth of aquaculture since the 1970s, the Great Salt Lake is no longer the world's only source of artemia. It does still supply a little more than a third of the world's brine shrimp

Please see **GREAT SALT LAKE, A14**



Timothy Hawkes »
"Eyes of the world are on us."

Great Salt Lake

Continued from A13

and retains its place as the largest sole producer of artemia, Sorgeloos says, but even the greatest salt lake in the world couldn't by itself supply the 3,500 metric tons of artemia that is now consumed annually. So brine shrimp are increasingly extracted from other saline lakes and coastal waters, primarily in central Asia, Siberia and China.

That doesn't make the Great Salt Lake any less important to aquaculture, Sorgeloos says. Rather, the lake's significance in the industry continues to grow.

In the 1990s, two decades into the brine shrimp industry's success, the Great Salt Lake was still essentially the world's only source of artemia, Sorgeloos explains. By then it was producing 1,000 metric tons of dried brine shrimp cysts per year, and demand continued to grow. Then came a wet cycle driven by El Niño — a cyclic climate pattern that involves above-average temperatures in the eastern Pacific Ocean and typically wetter weather in the Western U.S. The salinity of the Great Salt Lake dropped, and brine shrimp populations suffered.

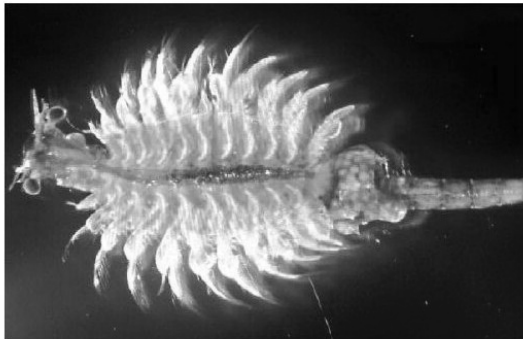
At the same time, Hawkes recalls, wild fisheries around the world began to experience population collapse as a result of overfishing. This triggered a sense of reckoning among the brine shrimp fishers of the Great Salt Lake as they realized if they took too many cysts, particularly during years when the population was already struggling, the brine shrimp might never recover.

Recognizing the resource is finite, the industry invited regulation and worked in collaboration with state regulators to develop a management model that places a cap on how many brine shrimp cysts may be harvested from the Great Salt Lake to ensure a sustainable harvest year after year, Hawkes says. The system remains in place to this day, with some refinements worked out over the years.

Other saline lakes have been less lucky. Remnants of the Aral Sea straddling the border of Kazakhstan and Uzbekistan, which until recently produced 500 metric tons of brine artemia, has become too saline to support brine shrimp. Iran's Lake Urmia, another former source of artemia, now produces nothing. Other lakes of importance to the industry have vanished or remain in jeopardy, prompting the U.N. meetings on



Great Salt Lake Artemia



BRIDGET DOPP | Great Salt Lake Institute, Westminster University

Top » Specialized harvesting boats collect brine shrimp using containment booms, then pump them onboard for transport to processing facilities. **Above** » A close-up of a female brine shrimp.

food security that ultimately summoned Hawkes and other experts to the international stage.

For all the talk about the jeopardy the Great Salt Lake currently faces, Sorgeloos says, it remains perhaps the best managed saline lake in the world. He sees current efforts to save the lake as an extension of its existing legacy — and a beacon of hope for the entire aquaculture industry.

"Utah should be proud," Sorgeloos says. "If we want to save these terminal lakes, not just the Great Salt Lake, we will use the Great Salt Lake as an example."

A Mayo Clinic for brine shrimp

With the success of aquaculture

around the world on the line, researchers and industry leaders hold regular workshops to discuss the state of the Great Salt Lake, and how programs initiated here might be replicated elsewhere. These meetings have taken place all around the globe — a rotation that is in keeping with the brine shrimp industry's international footprint. But Sorgeloos believes Utah could play an even greater role in the industry's future if the state built a research center to serve as a home base for the study of saline lakes. There's even a chance the U.N. could provide financial backing for such a center, he says.

Sorgeloos isn't the only person

to float the idea of starting an international saline lakes research center in Utah. This past spring, seniors in landscape architecture at Utah State University hatched plans for a possible research facility on Antelope Island as part of a senior capstone project. Although the concept was left partially unfinished as the semester came to a close and the students graduated and moved on to their next endeavors, professional practice professor David Anderson in USU's Department of Landscape Architecture and Environmental Planning believes the idea could have real potential.

"If you could create a place that was globally recognized, you could invite researchers from all around the world to come participate and study and generate work that could have an impact at other saline lakes that are under threat," he says. "There are globally recognized research facilities for a myriad of topics — Johns Hopkins or the Mayo Clinic for medicine — and it really ought to be of that caliber, but for anything related to the function and health of saline lakes around the world."

The plans drawn up by his students, Anderson says, included space for classrooms and living quarters for up to 30 visiting experts. Providing residential facilities as well as space for research and for learning would allow universities and businesses worldwide to send their top scientists to Utah to spend time on the Great Salt Lake. It wouldn't have to be limited to brine shrimp — other industries like mineral and salt producers could send experts as well, and over time these researchers would develop relationships and improve the global understanding of saline lake ecosystems.

Of course, Anderson continues, a facility like this would have significant educational and public outreach components as well, exposing future generations of Utahns to a host of potential careers in environmental engineering, ecology, biology and many other fields.

Locating the facility in a place like Antelope Island would increase the level of difficulty for the architects — it would come with a great need to respect the landscape and minimize the impact on the environment. And it may not be possible to locate all the facilities the research center would need on the island — aquaculture research, for example, would require access to fresh water in quantities that just aren't available on the lake. But if the researchers themselves lived and studied on the center of the lake, Anderson believes it could provide the inspiration needed to spur global change.

"If you put them in a facility where they are looking at the situation change before their eyes, it ramps up the necessity, the importance and the urgency — and the stewardship that they are, I believe, required to take on," Anderson says.

And make no mistake, the future needs a healthy lake. Beyond brine shrimp, other organisms that live in the lake can survive intense cold and relentless sun exposure — the kind of UV intensity that might be present on another planet, according to Bonnie Baxter, director of the Great Salt Lake Institute at Westminster College.

"I have received funding from NASA for studying the extreme microbial life in Great Salt Lake as an analogue for potential life from lakes that dried up on Mars," she said. These microbes can dry up inside minerals and survive over thousands of years. Some Great Salt Lake microbes can live within salt crystals. As we look for life on other planets, Baxter says, the Great Salt Lake will teach us what to look for.

With an infusion of perspective, Anderson believes the world could come together and make a difference — for the sake of all human beings both currently living, and those yet to be born.

"In addition to significant local and regional impacts such as toxic dust and lack of snow along the Wasatch Front, there are more far-reaching implications," Anderson says. "It truly affects people starving — that's a message that's incredibly thought provoking."

Editor's note: This story is part of a series of stories by the Great Salt Lake Collaborative that asks the question: Why save the Great Salt Lake? It explores what opportunities open up in agriculture, daily life, industry and recreation by restoring the lake. To view all the coverage, go to greatsalt-lakenews.org.

Great Salt Lake report: More record low levels 'unless we do something different'

Recommendations delivered to Utah leaders include "additional incentives," says commissioner, to ensure water conservation measures are actually working.

BY BEN WINSOW
For 13

A highly-anticipated report recommending ways to save the Great Salt Lake has been delivered to Utah's governor and legislative leaders.

The report itself will not be made public until January, but Great Salt Lake Commissioner Brian Steed spoke about some of his recommendations in an interview with FOX 13 News.

"Unfortunately, the conditions that drove the lake, the last year's conditions, really haven't changed much," he said. "So we would anticipate getting down to those levels again unless we do something different."

The Great Salt Lake hit its lowest level in recorded history last year as a result of water diversion, drought and a changing climate.

It presents an ecological and economic threat to the state with toxic dust storms (arsenic and other harmful chemicals are naturally occurring in the exposed lake bed), reduced snowpack, as well as harms to public health and wildlife.

The Great Salt Lake's dramatic decline set off alarm bells on Utah's Capitol Hill and led to a series of legislation and over \$1 billion in spending for water conservation measures. It also led to the governor and legislative leaders appointing Steed (who heads Utah State University's Lawson Institute for Land, Water & Air) as the point person to oversee efforts to save the lake.

Steed said his report has some recommendations for the short term, a "medium term" over the next five years, and then a longer term looking out decades.

"We have to make sure that we're closing the loop, when we do conservation programs, for instance, that when we actually save water? That we're making sure that saved water gets where it needs to be," he said.

"We're looking at additional incentives to make sure that the farmers and ranchers, when they do save water through ag optimization, we're able to put those to benefit the lake," added Steed. "Same kind of transaction when it comes to municipal and industrial use."

That was something the Great Salt Lake Collaborative also identified in recent reporting on the state's agriculture optimization program.

The state has handed out millions in grants to help agriculture producers switch to newer technologies that grow crops with less water, but they cannot say for certain that saved water is making it to the Great Salt Lake.

Beyond that, Steed also recommended the state look at a healthy lake level range from 4,198 feet to 4,205 feet. On Dec. 4, the U.S. Geological Survey measured the Great Salt Lake level at the marina at 4,192.3 feet.

"We're a long ways away from that right now, so getting water to the lake is going to be really important," he said.

Steed said his report also recommended stronger monitoring of biological conditions on the Great Salt Lake as well as salinity, to alert them to problems.

"We have done a pretty good job in monitoring brine shrimp, because we have a



RICK EGAN | The Salt Lake Tribune

Large areas of exposed lakebed remained on Great Salt Lake in September despite a record winter snowpack.

whole industry attached to that," he said. "We really have to start focusing on the other food stuffs, right? The brine flies, as well as the bird species that rely on those to make sure that the integrity of the ecological system as well as we're making sure we don't tip and cause long-term harm."

Steed said he also recommends more focus on water use in growth and in agriculture, including more long-term incentives for people to use less water.

"One way would be through ordinances so when we're growing, we're growing in a smart way and we're not using all that water outdoors, because we've planned for better growth. Secondly, we have to make sure we're using water effectively through agriculture practices," he said.

Steed supported the concept of "split season" leasing, which pays farmers for some of their water for the benefit of the lake. The idea is expected to emerge in the upcoming session of the Utah State Legislature alongside legislation to ensure conserved water makes it downstream and isn't diverted again and again.

Utah's political leaders said they were excited to dive into the report.

"I'm anxious to read it," Gov. Spencer Cox told FOX 13 News. "I'm looking forward to it and looking forward to making it public."

House Speaker Mike Schultz, R-Hooper, who sponsored the bill to create the Great Salt Lake Commissioner position,

said some of the recommendations were concepts already supported by his fellow lawmakers.

"I haven't seen all the recommendations yet, but we have an open mind. We are working on several things in conjunction with the commissioner," he told FOX 13 News. "We know those are going to

be talked about. We hope the legislature adopts them. We think they will. We're super supportive of them."

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Not-so-scary truth about climate change

United States Special Presidential Envoy for Climate John Kerry says it will take trillions of dollars to “solve” climate change. Then he says, “There is not enough money in any country in the world to actually solve this problem.”

Kerry has little understanding



JOHN
STOSSEL

of money or how it's created. He's a multimillionaire because he married a rich woman. Now he wants to take more of your money to pretend to affect climate change.

Bjorn Lomborg points out that there are better things society should spend money on.

Lomborg acknowledges that a warmer climate brings problems. “As temperatures get higher, sea

water, like everything else, expands. So we're going to maybe see three feet of sea level rise. Then they say, ‘So everybody who lives within three feet of sea level, they'll have to move!’ Well, no. If you actually look at what people do, they built dikes and so they don't have to move.”

People in Holland did that years ago. A third of the Netherlands is below sea level. In some areas, it's 22 feet below. Yet the country thrives. That's the way to deal with climate change: adjust to it.

“Fewer people are going to get flooded every year, despite the fact that you have much higher sea level rise. The total cost for Holland over the last half-century is about \$10 billion,” says Lomborg. “Not nothing, but very little for an advanced economy over 50 years.”

For saying things like that, Lomborg is labeled “the devil.”

“The problem here is unmitigated scaremongering,” he replies. “A new survey shows that 60% of all people in rich countries now believe it's likely or very likely that unmitigated climate change will lead to the end of mankind. This is what you get when you have constant fear-mongering in the media.”

Some people now say they

will not have children because they're convinced that climate change will destroy the world. Lomborg points out how counterproductive that would be: “We need your kids to make sure the future is better.”

He acknowledges that climate warming will kill people.

“As temperatures go up, we're likely to see more people die from heat. That's absolutely true. You hear this all the time. But what is underreported is the fact that nine times as many people die from cold. ... As temperatures go up, you're going to see fewer people die from cold. Over the last 20 years, because of temperature rises, we have seen about 116,000 more people die from heat. But 283,000 fewer people die from cold.”

That's rarely reported in the news.

When the media doesn't fret over deaths from heat, they grab at other possible threats.

CNN claims, “Climate Change is Fueling Extremism.”

The BBC says, “A Shifting Climate is Catalysing Infectious Disease.”

U.S. News and World Report says, “Climate Change will Harm Children's Mental Health.”

Lomborg replies, “It's very, very easy to make this argument that

everything is caused by climate change if you don't have the full picture.”

He points out that we rarely hear about positive effects of climate change, like global greening.

“That's good! We get more green stuff on the planet. My argument is not that climate change is great or overall positive. It's simply that, just like every other thing, it has pluses and minuses. ... Only reporting on the minuses, and only emphasizing worst-case outcomes, is not a good way to inform people.”

Every Tuesday at JohnStossel.com, Stossel posts a new video about the battle between government and freedom. He is the author of “Give Me a Break: How I Exposed Hucksters, Cheats, and Scam Artists and Became the Scourge of the Liberal Media.”

“The problem here is unmitigated scaremongering. A new survey shows that 60% of all people in rich countries now believe it's likely or very likely that unmitigated climate change will lead to the end of mankind.”

— Bjorn Lomborg

GREAT SALT LAKE » CONSERVATION EFFORTS

Flurry of water reuse claims threatens to take more water

By LEIA LARSEN | *The Salt Lake Tribune*

A bill meant to keep some of the only water guaranteed to reach the Great Salt Lake — treated wastewater — may have inadvertently spurred a flurry of water reuse applications across the basin.

Currently most of Utah's largest reclamation plants sit near the shores of the imperiled lake or Utah Lake, which is connected to the Great Salt Lake via the Jordan River. The facilities clean water

flushed down the drain from homes, businesses and industries, then discharge it into canals or rivers that reach the lakes. But more rigorous treatment standards meant to prevent toxic algal blooms have resulted in pricey upgrades for those reclamation facilities. Those costs, along with a rapidly growing population, have cities and water districts eyeing treated wastewater for reuse, either on lawns or, in some cases, as a new drinking water supply.

That makes sense in places like Las Vegas, Phoenix or southern Utah

communities like St. George. But for the Great Salt Lake, it could be a death sentence.

"Every drop we reuse, if depleted from the system, only aggregates to the problem of a shrinking lake," warned Rep. Casey Snider, R-Paradise, during last winter's legislative session.

If municipalities across the lake's watershed were to reuse and fully deplete their wastewater, the lawmaker said, the Great Salt Lake could drop another 10

Please see WATER, A3



TRENT NELSON | *The Salt Lake Tribune*

Water treated by the North Davis Sewer District makes its way into Farmington Bay of the Great Salt Lake last year. Lawmakers passed a bill meant to bar reuse of treated wastewater that currently flows to the lake, but may have spurred a flurry of applications for reuse projects instead.



TRENT NELSON | The Salt Lake Tribune

Water treated by the North Davis Sewer District makes its way into Farmington Bay last year. A new pipeline will release that water into the Great Salt Lake west of Antelope Island.

Water

Continued from A1

to 12 feet. "We'd be, in effect," Snider said, "cutting off our nose to spite our face in the Great Salt Lake system."

He convinced legislators to approve HB349 in March, which bars the Division of Water Rights from approving any new water reuse applications for projects that would have otherwise discharged to the Great Salt Lake or its tributary rivers.

The bill does include some exceptions. Water reuse proposals designed specifically to supply water to the lake get a green light. Projects which include water rights owned by the federal government have an exemption. And, crucially, proposals filed before Nov. 1 can move forward.

State regulators have since seen a deluge of water reuse applications. Before 2023, officials with the Division of Water Rights only had 25 reuse projects cross their desks in about as many years. About a third came from southern Utah communities outside of the Great Salt Lake basin.

But from March until Nov. 1 this year, the division had 45 water reuse applications filed. All but one came from counties inside the lake's watershed.

"All the efforts we've made to save the Great Salt Lake, it's going to take some time for any of them to make a big dent," said Brigham Daniels, a visiting professor at the University of Utah S.J. Quinney College of Law. "But if all these reuse applications are going to be approved, that's going to make a big dent in the opposite direction."

It's hard to say how much water the reuse applications would deplete or remove from the Great Salt Lake and its tributaries. The cities and districts use different methods of calculating and some of the paperwork is incomplete.

Most indicate wastewater will get reused on lawns and crops. The Division of Water Rights estimates that would deplete water by 40% and 60% of the water used, while the rest would trickle to groundwater or eventually reach streams.

Some of the applicants claim their water rights allow them to deplete every drop, however, so they're simply taking full advantage of those rights. The state engineer, who helms the Division of Water Rights, has approved those arguments in the past, but sometimes she only allows a certain percentage of the water to get depleted.

It all depends on the underlying water right, a division representative said. While the justification cities and districts make for water reuse are complex, and perhaps compelling, Daniels, who specializes in environmental and water law, said cases can also be made against their approval, even if they met the November deadline.

"There are some tools in the agency's toolbox," Daniels said, "to look at these with a demanding eye."

For one, Utah owns its water, which it does out to users in the form of water rights, which must then be put to a beneficial use. State code allows the state engineer to deny a request if it would harm the public welfare. And depleting more water that would otherwise reach the Great Salt Lake, turning it into a toxic dust bowl and source of endangered species listings, is arguably not beneficial or good for the welfare of Utahns.

"Whether the state wants to go there, I don't know," Daniels said. "This really is challenging the state's role as steward of the water."

Utah must also manage the Great Salt Lake itself and some of its tributary rivers for the good of all Utahns. A lawsuit is currently pending that attempts to preserve the lake using this principle, called the public trust doctrine.

"They have good chances for denial of some of these permits," Daniels said. "This is going to have to be done in a much more careful way than I'm able to armchair it from afar."

But any incomplete applications should get rejected, the professor said. "I would take a firm stance," he said. "You had until Nov. 1. If you're incomplete, we're done."

Why cities and public utilities want to reuse Great Salt Lake Basin water

Gov. Spencer Cox closed much of the Great Salt Lake's watershed to new water rights last year, so growing cities must get creative as they search for new supplies.

Cities and districts within Utah County filed 17 reuse applications this year, more than any other county. Ten of them came from the Timpanogos Special Service District.

Richard Mickelsen, general manager, said he began considering reuse as a way to meet the demands of growth about five years ago. "The House bill [HB349] forced everyone to the table," he said.

Booming Vineyard is of particular concern, he said. That city is poised to build a massive dense-use development called Utah City at the site of the old Geneva Steel site. Mickelsen is exploring the idea of piping treated wastewater to the Lake Side Power Station so it frees up culinary water to meet Vineyard's needs.

At the north end of the watershed, in Box Elder County, Brigham City wants to reuse its wastewater outdoors to also free up more culinary water and support its ballooning population.

"Obviously, we are concerned about the future of the Great Salt Lake," said Public Works Director Tyler Pugsley. "That being said, we're also concerned about providing a safe, dependable drinking water supply."

In the ski and second home hot spot of Ogden Valley, Wolf Creek Water and Improvement District plans to tap treated wastewater to solve its water shortage issues, which it will store in a pond. The district had to place a moratorium on new water connections last year due to a prolonged and crippling drought, which caused waves across the valley. The pause also meant the district faced litigation from landowners who bought home sites in good faith.

"The reuse pond, it solves that problem," said Miranda Menzies, who chairs the district board. "And it also means we've got a source that's reliable, that doesn't fluctuate as much in dry years."

Wolf Creek further argues its water right is part of the Weber Basin Water Conservancy District, which in turn inherited its water rights from the U.S. Bureau of Reclamation — and federal rights are exempt from HB 349. They can also be fully depleted.

Weber Basin has had its own large reuse project in the works for several years. It plans to recycle up to 8,800 acre-feet. An acre-foot is about enough water to support two households in Utah. It will blend that water with storage in Willard Bay reservoir, which captures the last of the Weber River's flow before it reaches the Great Salt Lake.

Some of the reuse water will get released to the lake, the district's application notes, and some will meet obligations to support Ogden Bay Waterfowl Management Area, one of the largest engineered wetlands complexes on the lake.

The district is working on a pilot to build a treatment plant nearby as well, which will treat Willard Bay water to drinking

standards.

"We just have a lot of demands on our water resources," said Darren Hess, the district's assistant general manager. "Development continues to take place. It's a big balance for us."

Recycling the water for indoor use, however, means impact to the lake will be minimal, Hess said.

"Most of that water returns back to the system after it's used in the home," he said. "Really, it's the outdoor irrigation that's detrimental."

South Davis Water General Manager Jake Ferguson, however, worries about reductions in outdoor watering, especially as the state now requires meters on most secondary connections. Studies show meters result in 20%-40% less water applied outdoors, meaning more water gets stored in reservoirs but less percolates into the soil.

"We're wanting to reuse water ... so we can possibly recharge our groundwater in this area," Ferguson said. "We need that secondary water in the ground."

As aquifers recede, Ferguson worries the lake's salty groundwater will begin to encroach and spoil municipal supplies as well. Overdrawn aquifers have caused saltwater intrusion in coastal and interior states since at least the 1970s.

"Water reuse," said Bryce Haderlie, Woods Cross city administrator, "is one element of contributing to the overall health of the Great Salt Lake Basin water cycle ecosystem that includes groundwater."

He added the city's aquifer has already dropped by multiple feet. Woods Cross has partnered with South Davis Water on a reuse proposal.

"The health of the lake is both waters above and below ground," Haderlie said. "Our goal is to conserve the groundwater and reuse water that has already been pumped."

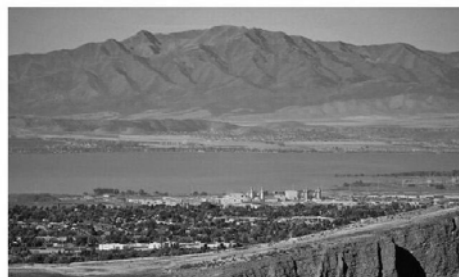
The Great Salt Lake basin's largest city, Salt Lake City, did not file any reuse requests in 2023. But it did receive approval for an application in 2021. The project mostly uses treated wastewater at the Salt Lake City Public Utilities reclamation plant for equipment maintenance and some landscaping.

The application notes the plan will deplete 660 acre-feet from reuse, but Tamara Prue, the city's water resources manager, said most of that will go to dust control as it builds its new facility. She expects construction to wrap in 2026, at which time depletion will drop significantly.

The department also intends to officially dedicate its wastewater return flows to the Great Salt Lake.

"That's what happens now anyway, it's not a change in practice," Prue said. "But hopefully it sets a model for other cities."

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.



FRANCISCO KOLESHTI | The Salt Lake Tribune

Storm clouds hang in the sky over the Great Saltair on the south shore of the Great Salt Lake earlier this month. State regulators worry that a deluge of water reuse applications could hamper efforts to save the lake.