



**JORDAN VALLEY WATER**  
CONSERVANCY DISTRICT

**BOARD MEETING  
OF THE BOARD OF TRUSTEES  
MAY 8, 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

NOTICE OF A REGULAR MEETING OF THE BOARD OF TRUSTEES  
OF JORDAN VALLEY WATER CONSERVANCY DISTRICT

PUBLIC NOTICE is hereby given that the Board of Trustees of the Jordan Valley Water Conservancy District will hold a regular Board meeting at 3:00 p.m. on Wednesday, May 8, 2024, at the District Administration Building located at 8215 South 1300 West, West Jordan, Utah. Trustees and members of the public may attend this meeting electronically or in person. For information on how to join the meeting electronically, visit Jordan Valley Water Conservancy District's website at (<https://jvwcd.org/calendar/1740/jvwcd-board-meeting>)

Agenda

1. Call to order and introduction of visitors
2. Approval of common consent items:
  - a. Minutes of the Finance Committee meeting held March 25, 2024; Executive Committee meeting held April 8, 2024; and the regular Board meeting held April 10, 2024
  - b. Trustees' expenses report for April 2024
3. Public comments
4. Core Mission Reports
  - a. Water supply update
  - b. Water quality update
5. Standing Committee Reports
  - a. Finance update
  - b. Conservation update
6. Review annexation agreement for the Olympia Hills Development
7. Review draft Resolution, "Approving Annexation of Lands into the Jordan Valley Water Conservancy District" (Olympia Hills Development)
8. Engineering activities
  - a. Consider approval of construction change order for Steel Reservoirs Paint and Repairs Project
9. Reporting items:
  - a. Central Utah Project/CUWCD activities report
  - b. Report on District performance indicators for March 2024
  - c. Capital projects report for April 2024
  - d. Report on Media Coverage
10. Upcoming meetings:
  - a. Conservation Committee meeting, Monday, June 3, at 3:00 p.m.
  - b. Executive Committee meeting, Monday, June 3, at 3:30 p.m.

JORDAN VALLEY WATER CONSERVANCY DISTRICT

NOTICE OF A REGULAR BOARD MEETING  
OF THE BOARD OF TRUSTEES  
May 2024  
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- c. Regular Board meeting, Wednesday, June 5, at 6:00 p.m.
11. Adjourn

Date: May 7, 2024

By: Alan E. Packard, District Clerk

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

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

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



JORDAN VALLEY WATER CONSERVANCY DISTRICT

**ACRONYMS AND ABBREVIATIONS**

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

JORDAN VALLEY WATER CONSERVANCY DISTRICT

**ACRONYMS AND ABBREVIATIONS**

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

JORDAN VALLEY WATER CONSERVANCY DISTRICT

**ACRONYMS AND ABBREVIATIONS**

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

JORDAN VALLEY WATER CONSERVANCY DISTRICT

**ACRONYMS AND ABBREVIATIONS**

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

## **COMMON CONSENT ITEMS**

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

(Unapproved and subject to change)

Held March 25, 2024

A Finance Committee meeting of the Board of Trustees of the Jordan Valley Water Conservancy District was held in person and electronically on Wednesday, March 25, 2024, at 3:00 p.m. at JWCD'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:

John H. Taylor, Finance Committee Chair  
Corey L. Rushton, Board Chair (electronic)  
Karen D. Lang (electronic)  
John Richardson  
Zach Jacob (electronic)  
Andy Pierucci (electronic)  
Barbara L. Townsend

Trustees Not Present:

Mick M. Sudbury  
Dawn R. Ramsey

Staff Present:

Alan Packard, General Manager  
Jacob Young, Deputy General Manager  
Shazelle Terry, Assistant General Manager  
Mark Stratford, General Counsel  
Gordon Batt, Operations Department Manager  
Jason Brown, Information Systems Department Manager  
Brian Callister, Maintenance Department Manager  
Shane Swensen, Chief Engineer  
David Martin, CFO/Treasurer  
Brian McCleary, Controller  
Kurt Ashworth, Human Resources Manager  
Kelly Good, Communications Division Manager  
Mindy Keeling, Executive Assistant  
Alicia Sekiller, Administrative Assistant III  
Martin Feil, Database Administrator (electronic)  
Becca White, Customer Services Billing Lead  
Travis Christensen, Engineering Group Leader

Others Present:

Shawn Koorn, HDR Engineering  
Greg Christensen, Trustee, Kearns Improvement District

**Introductory  
comments by  
Finance  
Committee  
Chair**

Mr. John Taylor, Finance Committee Chair, opened the meeting at 3:00 p.m.  
Ms. Dawn Ramsey and Mr. Mick Sudbury were excused from the meeting.

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**Review  
personnel  
expenditures  
budget**

Mr. Kurt Ashworth, Human Resources Manager, presented the proposed personnel budget for FY 2024/2025. Mr. Ashworth reported that JVVCD currently has 160 positions and in order to project the personnel costs for the FY 2024/2025 budget, data has been collected from various sources including the Consumer Price Index and Employment Cost Index. He described the expenditures that are included in the personnel budget including salary, health insurance, state retirement contributions, Medicare, substitute Social Security Plan contributions, life insurance, long-term disability insurance, and sick leave conversion.

Mr. Ashworth stated there is an overall 4.8% increase, or \$975,419, in the proposed FY 2024/2025 personnel budget as a result of salary and benefit increases, and the addition of three new maintenance positions. Mr. Ashworth noted an estimated savings of \$401,392 in the budget due to retirements and turnover. He presented information from a salary adjustment survey of other local districts and Member Agency cities and stated that JVVCD falls close to the median in the comparisons. Staff are proposing a 5.0% merit pay increase for employees above the mid-point of their salary range, and a one step increase for employees below mid-point of their salary range. The 2024/2025 budget includes proposed salary grade changes for one position as well as two position changes from Administrative Assistant III to Staff Engineer, and Assistant General Manager of Communications and Technology to Digital Services Director. Also included in the budget are recruitment, retention, and equity incentives.

**Review  
proposed  
general  
equipment  
expenditures  
budget**

Mr. Martin stated that the General Equipment expenditures budget includes items that cost over \$10,000, have a useful life greater than one year, are recorded as an asset when purchased, and are depreciated over their useful life. He stated the General Equipment Fund is funded through transfers of money from Revenue Funds, and the total proposed General Equipment budget is \$981,000 for FY 2024/2025.

**Property tax  
discussion**

Mr. Packard stated that one of JVVCD's sources of revenue is derived from property tax. He explained that at inception, typical water district revenue sources begin with a higher percentage of revenue from property tax due to lack of infrastructure and customer deliveries. As a water district is built out over time, percentage revenue from property tax will decrease, but will still remain as a portion of revenue due to public benefits accrued to users independent of volume consumed, such as fire protection, watershed/water quality protection, environmental protection, flood control, recreation, and increased property value. Mr. Packard remarked on the 2023 Senate Bill 34 (SB34, Water Infrastructure Funding Study), which studies the use of property taxes to fund water infrastructure, treatment, and delivery. He said current findings show that property taxes as a revenue source are also used in surrounding states and suggested that JVVCD not base its policy decisions solely on other states. Mr. Packard then cautioned that a 10% reduction in property tax rates could have potential consequences such as higher water rate increases, a credit rating downgrade, and the need to increase the minimum balance of JVVCD's revenue stabilization fund. He said staff recommends that JVVCD continue its current strategy to utilize property tax as an important funding source as outlined its 10-year financial plan, and to consider SB34 study report findings to propose any strategy refinements in the future.

Mr. Andy Pierucci inquired as to what portion of JVVCD costs are considered public benefit. Mr. Packard said that by Fall of 2024, a thorough analysis will be performed by JVVCD staff to define what portion of costs are classified as public benefit.

**Review debt service schedule and 10-year Financial Plan**

Mr. Martin discussed the FY 2024/2025 debt service schedule and long-term debt summary regarding all JVVCD outstanding bonds. The FY 2024/2025 debt service budget is \$28,494,500. Mr. Martin shared the Debt Summary which showed the currently outstanding bonds and debt service payments.

Mr. Martin reviewed the FY 2024/2025 10-year Financial Plan. He said the proposed FY 2024/2025 budget is based on 104,000 acre-feet of water deliveries, an estimated 5.2% water rate adjustment, property tax, and using approximately \$5.4 million from the Revenue Stabilization Fund to balance the FY 2024/2025 budget. He said the Debt Service Coverage Ratio exceeds what is required by bond covenants and is projected to remain above 1.30 over the next ten years. Mr. Martin reviewed the estimated PayGo transfers from operations and identified the funding from the Revenue Stabilization Fund and Short-Term Operating Reserve Fund.

**Review proposed capital projects expenditures budget**

Mr. Shane Swensen, Chief Engineer, reviewed the proposed FY 2024/2025 Capital Projects budget and the 10-year Capital Projects Plan. He shared assumptions used to develop water demand for the updated Capital Projects Plan, which includes population projections, conservation effort success, and climate variability impacts. He reviewed the annual demand projections and peak day demand projections which show the water supplies and facilities that are currently available to JVVCD and water supplies and facilities that are planned to come online in the future. Mr. Swensen showed that the total Capital Projects Plan over the 10-year period is approximately \$548.7 million. He reviewed proposed capital projects for fiscal year 2024/2025 and stated the total net FY 2024/2025 proposed Capital Projects budget is \$67,237,699.

**Review fiscal year 2024/2025 water rate study and calculated water rates**

Mr. Shawn Koorn, HDR Engineering, presented an overview of the water rate study process, the three components for this year's study, the development of the preliminary revenue requirement analysis, received direction from the Board, and gave preliminary cost of service results. He said rate setting is a three-step process which includes: comparing the revenues of JVVCD to its expenses to evaluate the level of overall rates; equitably allocating the revenue requirement between the various customer classes of service; and designing cost-based rates for each class of service to meet JVVCD's revenue needs, along with any other rate design goals and objectives adopted by the Board. Mr. Koorn reviewed each of these steps in the process. He summarized the draft revenue requirements stating it would require use of funds from the Revenue Stabilization Fund for FY 2024/2025, given the assumptions by JVVCD staff estimating 104,000 acre-feet of water deliveries and a 5.2% average rate adjustment.

**Discussion of fiscal year 2024/2025 budget review and use of funds from the**

Mr. Martin recommended a balanced approach be taken for the FY 2024/2025 budget which includes a 5.2% average water rate adjustment, and use of the Revenue Stabilization Fund and Short-Term Operating Reserve Fund. He also presented another concept which would include a higher water rate adjustment at 6.0% and use of half the Revenue Stabilization Fund. Mr. Martin said that Mr. Koorn and his staff will calculate rates based on a rate adjustment of both

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**Revenue  
Stabilization  
Fund and  
tentative water  
rate adjustment**

5.2% and 6.0% and present the comparisons during the April 10, 2024, Executive Committee meeting.

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**Upcoming  
meetings**

Mr. Taylor reviewed the upcoming meetings including the regular Board meeting, Wednesday, April 10, at 3:00 p.m.; Annual Member Agency meeting, Tuesday, April 16, at 10:00 a.m.; Public Hearing, Wednesday, May 8, at 6:00 p.m.; regular Board meeting, Wednesday, June 5 at 3:00 p.m.; and property tax hearing/adoption of 2024/2025 budget, Wednesday, August 14, at 6:00 p.m. (if needed).

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**Adjourn**

Mr. Taylor called for a motion to adjourn. Mr. John Richardson moved to adjourn. Following a second by Ms. Barbara Townsend, the meeting adjourned at 4:44 p.m.

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John H. Taylor, Finance Committee Chair

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Alan E. Packard, Clerk

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

April 8, 2024

(Unapproved and subject to change)

The Executive Committee meeting of the Board of Trustees of the Jordan Valley Water Conservancy District was held in person and electronically on Monday, April 8, 2024, at 4:14 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  
Karen D. Lang  
Andy Pierucci  
Mick M. Sudbury  
John B. Richardson  
Zach Jacobs  
Dawn Ramsey

**Trustees Not Present:**

Barbara L. Townsend (excused)  
John H. Taylor (excused)

**Staff Present:**

Alan Packard, General Manager  
Jacob Young, Deputy General Manager  
Dave Martin, CFO/Treasurer  
Shazelle Terry, Assistant General Manager  
Gordon Batt, Operations Department Manager  
Brian Callister, Maintenance Department Manager  
Martin Feil, Database Administrator (electronic)  
Mark Stratford, General Counsel  
Kurt Ashworth, Human Resources Manager  
Brian McCleary, Controller  
Mindy Keeling, Executive Assistant  
Lisa Wright, Administrative Assistant  
Courtney Brown, Conservation Division Manager  
Kelly Good, Communications Division Manager  
Clifton Smith, Senior Business Data Analyst  
Travis Christiansen, Engineering Group Leader  
Jason Brown, Information Systems Department Manager  
Shaun Moser, Conservation Garden Park Manager  
Rebecca Bateman, Administrative Assistant/ Receptionist

**Welcome**

Mr. Corey Rushton, Chair, called the meeting to order at 4:14 p.m.  
Ms. Barbara L. Townsend and Mr. John H. Taylor were excused.

**Review agenda  
for March 13,  
2024, Board  
meeting**

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Mr. Rushton asked Mr. Alan Packard, General Manager, to review the proposed agenda. For the March 13, 2024, regular Board of Trustees meeting, Mr. Packard reviewed the proposed agenda. Some of the topics for discussion and consideration include Core Mission Reports; Consider establishing a water supply availability level; Finance update; Conservation update; Financial Matters and tentative Adoption of Resolution No. 24-05 of common consent items. Regarding the budget, Mr. Packard addressed a previous question regarding potential paid Parental Leave Benefit. The proposed benefit would provide of two weeks paid parental leave for both biological and adoptive parents, with an additional six weeks paid leave for the biological mother. Ms. Lang suggested that the six-week leave be allowed for adoptive parents as well. Mr. Pierucci suggested that the leave be made flexible versus consecutive leave, as it fosters loyalty. Mr. Packard indicated that the details are still being developed for the policy. Consider setting public hearing date of May 8, 2024, at 6:00 p.m. where 2024-2025 budget, water rates and fees will be discussed; Consider approval of Member Agency Water Efficiency Standards with the City of South Salt Lake; several engineering items include consulting services for Office and Critical Parts Space Expansion Study, consider contract for Jordan Aqueduct Seismic Resiliency Study, Consider Aqueduct Resilience Grant Agreement with the State of Utah, Consider contract amendment for Jordan Valley Water Treatment Plant Sedimentation Basins one and two for Seismic and Capacity Upgrades, Consider approval of engineering services for Treatment Plant Filter and Chemical Feed Upgrades, Consider grant of easement to PacifiCorp at 1516 West 14600 South, Consider betterment agreement approval with Utah Department of Transportation for vault abandonment on 13400 South Pipeline. Consider adoption of Resolution No. 24-06 to insert a new vehicle policy, into the Personnel Rules and Regulation Manual; consider Adoption of Resolution No. 24-07 to remove the Districts vehicle policy from the Administration Policy and Procedure Manual; and Reporting items. Due to the number of items needing to be discussed, it's proposed that the trustee tour be postponed and consider having a Conservation Committee Meeting, followed by the Conservation Garden Foundation Annual Meeting, with an Executive Meeting to follow on May 6<sup>th</sup> and a Regular Board Meeting be held at 3:00 p.m. prior to the Public Hearing on May 8<sup>th</sup>. If needed, there will be a closed meeting held to discuss information provided during procurement process Utah Code 52-4-2026(6)(a).

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**Review tentative  
water rates**

Mr. David Martin, Chief Financial Officer, said Mr. Shawn Koorn, HDR Engineering, presented the proposed fiscal year 2024-2025

water rate update, revenue requirement, and cost of service analysis at the March 25, 2024, Finance Committee meeting. Mr. Martin said that the proposed tentative 2024-2025 Budget has two alternatives for a water rate adjustment, for the Board to consider. One is a 5.2% water rate increase, the other is a 6.0% increase, which would leave 50% of the Revenue Stabilization Fund reserved for a future year. The impact on the budget was discussed for both water rate adjustment alternatives. Mr. Martin reported that the proposed water rates for each Member Agency and the retail system have been calculated and tentative adoption of budget and water rates for fiscal year 2024-2024, there were not any unusual impacts caused by the changing peaking factors. No changes are proposed to the meter base charges. The Ten-year Financial Plan was discussed, and Mr. Martin indicated that it initially included a 5.2% water rate adjustment for fiscal year 2024-2025, followed by a 5.8% rate adjustment for 2025-2026 and a similar rate adjustment for the following year. He indicated that the Ten-year Financial Plan projects what revenues might be needed to fund operations, repayment of debt, funding of reserves of capital replacement projects and noted that each year the plan is updated and changes.

Mr. Rushton mentioned that the board is choosing between a 6% water rate increase this year, or next year and indicated that using more than 50% of the Revenue Stabilization Fund to adjust water rates seems out of step with how the fund should be used; he supports a 6% increase this year.

Mr. Pierucci indicated that he would like to see a path towards reducing the reliance on property tax to stabilize water rate increases and sees that the 6% rate increase leaves options open for not having a property tax increase next year.

**Discuss Block 2  
Water Purchase  
Agreements**

Mr. Packard discussed how Jordan Valley Water Conservancy District developed with the Block 2 Water Agreement concept a number of years ago to bring lands outside of its service areas on an equitable basis. Mr. Rushton mentioned that Block 2 is something the Board had discussed for decades, and that it made tough decisions and compromises to create a cohesive policy. Mr. Packard noted that Block 2 will be water delivered using the same meters stations as Block 1; as water is taken throughout the year, agencies will be billed at the Block 1 rate, then when the year is finished, Member Agencies will produce retail billing information from the Block 2 areas, then based on acre feet used in the Block 2 areas, a reconciliation invoice will be produced for the difference between Block 2 and Block 1 rates. Mr. Stratford mentioned this contract encourages conservation, with a maximum water allotment which is different than when Block 1 was put into place

with minimum take or pay requirements. Staff and the Board discussed various details of the administration of Block 2 water purchase agreement.

**Review  
proposed  
amendment to  
Personnel Rules  
and Regulations  
Policy**

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Mr. Stratford reviewed the proposed amendments to the Personnel Rules and Regulations Policy. The wording regarding vehicle policy, which is being moved to the personnel policy from the administrative rules, has been updated for clarification. In addition to moving the vehicle policy, the administrative rules will have an updated vision and mission statement; Board meeting per diem will be changed to state rate; General Manager authority – annexation agreement: once it comes to the Board and is approved the General Manager would execute the agreement; Trustee Conferences would like to add Water Smart Innovation.

**Adjourn**

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Mr. Rushton called for a motion to adjourn. Ms. Lang moved to adjourn. Following a second by Mr. Andy Pierucci, the meeting adjourned 5:27 p.m.

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Corey L. Rushton, Chair of the Board of Trustees

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Alan E. Packard, District Clerk

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

(Unapproved and subject to change)

April 10, 2024

A regular Board meeting of the Board of Trustees of the Jordan Valley Water Conservancy District was held both in person and electronically on Wednesday, April 10, 2024, at 3:02 p.m. at JWCD'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  
Karen D. Lang  
Zach Jacob  
Dawn R. Ramsey  
John H. Taylor (electronic)  
Andy Pierucci  
John Richardson

Trustees Not Present:

Barbara L. Townsend  
Mick M. Sudbury

Staff Present:

Alan Packard, General Manager  
Jacob Young, Deputy General Manager  
Shazelle Terry, Assistant General Manager  
Gordon Batt, Operations Department Manager  
Brian Callister, Maintenance Department Manager  
Shane Swensen, Chief Engineer  
Mark Stratford, General Counsel  
David Martin, Chief Financial Officer/Treasurer  
Brian McCleary, Controller  
Kurt Ashworth, Human Resources Manager  
Mindy Keeling, Executive Assistant  
Lisa Wright, Administrative Assistant III  
Martin Feil, Database Administrator (electronic)  
Kelly Good, Communications Division Manager  
Travis Christensen, Engineering Group Leader  
Rebecca Bateman, Administrative Assistant I/Receptionist  
David McLean, Technical Program Leader  
Wade Tuft, Water Supply Manager  
Margaret Dea, Senior Accountant (electronic)

Also Present:

Wayne Winsor, Assistant General Manager, Metropolitan Water District of Salt Lake & Sandy  
Greg Anderson, General Manager, Kearns Improvement District  
Alan Domonoske, Senior Vice President, Carollo Engineers  
Gary Henrie, Engineer, Bureau of Reclamation  
Raymond Garrison, Public Works Director, City of South Jordan

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Brien Maxfield, Senior Engineer, Draper City  
Greg Davenport, Utility Director, City of West Jordan  
Stacie Olson, Assistant Public Works Director, Riverton City  
Ryan Willeitner, Engineer, Jacobs  
Dennis Pay, City Engineer, City of South Salt Lake (electronic)  
Robert Moore, General Counsel, Central Utah Water Conservancy District  
Clint Dilley, General Manager, Magna Water District (electronic)  
Jason Helm, General Manager, Granger-Hunter Improvement District (electronic)  
Ana Paz, Associate Engineer, South Jordan City (electronic)  
Justun Edwards, Public Works Director, Herriman City (electronic)  
Shawn Robinson, Director of Operations and Maintenance, Taylorsville-Bennion Improvement District (electronic)  
Steve Jones  
Tyler Bird  
Will Peterson

**Call to order and introduction of visitors**

Mr. Corey Rushton, Chair, convened the Board meeting of the Jordan Valley Water Conservancy District Board of Trustees at 3:02 p.m. on Wednesday, April 10, 2024. Mr. Rushton introduced the members of the Board and the public who joined the meeting both in person and electronically. Ms. Barbara Townsend and Mr. Mick Sudbury were excused from the meeting.

**Approval of common consent items**

Mr. Rushton presented the minutes of the Executive Committee meeting held March 11, 2024; the Finance Committee meeting held March 11, 2024; and the Annual Board meeting held March 13, 2024; He also presented the March 2024 Trustees' Expenses Report. Mr. Rushton called for a motion. Mr. John Richardson moved to approve the minutes of the March 11, and March 13 meetings and the March 2024 Trustees' Expenses Report. Following a second by Ms. Karen Lang, the motion was unanimously approved by those present as follows:

Mr. Richardson – aye	Mr. Jacob – aye
Ms. Lang – aye	Mr. Pierucci – aye
Ms. Ramsey – not present	Mr. Rushton – aye
Mr. Sudbury – not present	Mr. Taylor – not present
Ms. Townsend - not present	

**Public comments**

There were no public comments.

**Core Mission Reports**

Mr. Packard reviewed the Municipal and Industrial (M&I) Water Deliveries report through March 2024, the Wholesale Contract Progress report for each Member Agency, the Provo River Reservoirs Update, and the Wholesale and Retail Actual and Projected Deliveries report.

**Water supply update**

Mr. Wade Tuft, Water Supply Manager, reported on the water supply outlook for 2024. He presented a comparison for M&I Water Deliveries for the past several years, noting that a good snowpack means less reliance on JVVCD's water storage. He said the current snowpack totals for 2024 are above 100%. Mr. Tuft then provided information on the runoff forecast and said that most forecast points are predicted to be above normal. He also mentioned that predicted snowpack and precipitation levels for Great Salt Lake Basin and Great Salt Lake Inflow are above normal for 2024.

Ms. Dawn Ramsey arrived at 3:08 p.m.

**Water quality update**

Ms. Shazelle Terry, Assistant General Manager, presented information on micro and nanoplastics, and said that in January 2024, a new polyfluoroalkyl substances (PFAS) rule by the U.S. Environmental Protection Agency (EPA) was finalized, addressing impacts on the environment and human health. She defined microplastics as plastic particles ranging in size from five millimeters to one micrometer, and nanoplastics being smaller than one micrometer. She said they can be released into the environment from personal care products, laundering of textiles, vehicles tires, or formed from the breakdown of larger plastic items such as water bottles, plastic bags, or fishing nets. Ms. Terry said that microplastics matter because they are ubiquitous in air, on land, and in water. She explained that research challenges are that the size, density, and compositions of microplastics vary greatly, making it difficult for researchers to standardize methods for collection, quantification, and identification. Ms. Terry then said that annual human intake of microplastics is approximately 250 grams, by inhalation, digestion, and dermal contact. She reviewed the Microbead-Free Water Act of 2015 that amended the Federal Food Drug and Cosmetic Act to prohibit microbeads intentionally added to products. She also mentioned that California State Legislature tasked the California State Policy Evidence Consortium to perform a review of the state of knowledge of microplastic occurrence, health effects, and policy, and that review is the most current and definitive study on microplastics. She mentioned that there are currently 51 laws addressing microplastics across various levels of government with the majority concentrated in California and Europe and limited to banning microbeads and mandating more research. Ms. Terry said moving forward, JWCD will start sampling its raw water sources this year, along with its pharmaceutical testing.

Mr. John Richardson asked if there was a timeline for any federal rule to take place. Ms. Terry said any federal regulation could potentially take decades.

Mr. Andy Pierucci asked what JWCD's plans are for data collected once sampling begins. Ms. Terry said that sampling will measure what type, and where microplastics are being seen, and work with stakeholders to educate the public to minimize the impact on the water supply.

**Consider establishing a water supply availability level**

Ms. Shazelle Terry reported that the Drought Monitoring Committee met on March 25, 2024, reviewed water supply conditions and voted on a water supply availability level. She said the criteria for establishing a water availability level are the CUWCD supply availability, PRWUA supply allocation, and Salt Lake Valley groundwater conditions. Ms. Terry said sixteen committee members were present and voted unanimously for Level 0 and recommended establishing Level 0 Normal Water Supply Availability for 2024.

Mr. Rushton inquired as to the effectiveness of the Drought Monitoring Committee and whether it serves its intended purpose or if there is room for improvement. Ms. Terry said there is a benefit to convene

representatives from each of JWCD's Member Agencies to discuss water supply availability. She said it will be watched moving forward to identify whether any additional criteria are needed.

Mr. Zach Jacob suggested that there may be a benefit to separate public messaging from the objective criteria that necessitate establishing a Water Supply Availability Level. Ms. Terry said removing the objective criteria from considerations for voting on a Water Supply Availability Level will be something staff will consider and review in the future.

Mr. Rushton called for a motion on the recommendation. Mr. Andy Pierucci moved to establish a Water Supply Availability Level 0 for 2024. Following a second by Ms. Dawn Ramsey, the motion was unanimously approved by those present as follows:

Mr. Richardson – aye	Mr. Jacob – aye
Ms. Lang – aye	Mr. Pierucci – aye
Ms. Ramsey – aye	Mr. Rushton – aye
Mr. Sudbury – not present	Mr. Taylor – aye
Ms. Townsend - not present	

Mr. John Taylor joined electronically at 3:41 p.m.

**Standing Committee Reports**

**Finance update**

Mr. Brian McCleary, Controller, reviewed the Financial Report for February 2024. He reviewed the Income Statement and said a CUP payment was made during February which is included in Water Purchases. He pointed out an increase in 2023/2024 net revenue compared to the 2022/2023 budget which was due to factors such as increase water sales and property tax. Mr. McCleary also identified a gain in Sale of Assets in Non-Operating Expenses (revenues) due to the sale of 240 shares of Utah & Salt Lake Canal Company.

Mr. Packard said the sale of 240 shares of Utah & Salt Lake Canal Company were uniquely situated with a prior change application to be converted as groundwater in Utah County. He said the intent of the water shares at the time of purchase was to develop groundwater in Utah County as an additional water source. He said that several years ago JWCD decided not to pursue groundwater development in Utah County and to instead pursue additional water in the Provo River system to more cost effectively serve JWCD's needs.

**Conservation update**

Mr. Jacob Young, Deputy General Manager, provided an update on the Slow The Flow Campaign for 2024. He said JWCD started the campaign decades ago, and the State of Utah has since adopted the campaign and JWCD currently contributes funds and expertise. Mr. Young said after 2024, the State will no longer manage the campaign and that Utah Water Ways will take over and evaluate the future of the Slow The Flow brand. He presented a new Slow The Flow video where Shaun Moser, Conservation Garden Park Manager, explains the importance of water-wise landscaping. Mr. Young identified Water Supply Availability Messaging in collaboration with Slow The Flow and in conjunction with the Water Supply Availability Level established by the Drought Monitoring Committee. Key messages include conservation, water stewardship, save your Saturday, celebrate

public successes, and education on how many have participated in incentive programs.

Ms. Dawn Ramsey asked who is included on the Utah Water Ways Board and how Utah Water Ways is funded. Mr. Packard identified Board members as himself and three other General Managers from the large water districts, other private interests, and from the Utah Division of Water Resources. He said Utah Water Ways is funded by having received a combination of State appropriations and private donations.

Discussion followed regarding the potential rebranding of Slow The Flow and possible implications of changing the brand, and Trustees expressed that they feel the Slow The Flow brand continues to resonate with the public.

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## **Financial matters**

### **Consider adoption of Resolution No. 24-05, "Tentatively Adopting JVVCD's tentative Budget, Financial Plan, and Water Rates for Fiscal Year 2024-2025"**

Mr. Martin presented the tentative budget, financial plan, and water rates for fiscal year 2024-2025. He said that prior to this meeting, two Finance Committee meetings were held where staff and the Board reviewed and discussed the tentative budget and water rates in detail. The fiscal year 2024-2025 budget is based on 104,000 acre-feet of water deliveries, no property tax increase, and two alternatives for either a 5.2% or 6.0% average water rate adjustment. He pointed out a \$3 million increase in annual debt service due to the recent new bond issuance. The proposed operation and maintenance budget has a 1.1% increase over last year's budget. A merit pay increase of 5.0% or step increase for employees below midpoint is proposed, with three new personnel positions included in the budget. He said inflation has influenced the budget in driving costs up for insurance, chemicals, and water purchases for fiscal year 2024-2025. The Conservation Programs budget decreased by \$2.5 million due to the shifting of certain conservation program funding to Capital Projects. The proposed General Equipment budget is \$981,000, and the Net Capital Projects budget is \$67.2 million with the addition of a new CP5 Category for landscape conversion projects reallocated from Conservation Programs.

Mr. Martin presented property tax historical data and said JVVCD plans to adopt the certified tax rate without an increase. He reviewed the tentative wholesale and retail water rates for fiscal year 2024-2025 and gave an overview of the rate study process. The base-extra capacity method is the cost-of-service method used to allocate costs and is designed to have a base component of all the costs that it takes to meet the average day demand. The extra day and extra hour costs are allocated to customers based on how the extra capacity portion of JVVCD's system is being used. Mr. Martin said peaking factors for each Member Agency and for the retail system are measured each year at JVVCD's peak three-day period, which is different from year to year, and averages the lowest of 3 of the last 4 years. As a Member Agency or the retail system changes its peaking factors, it can also change the allocation of those costs for all customers.

Mr. Martin then presented data for both the 5.2% and 6.0% alternatives for the proposed water rate increase. He shared the updated Block 2 and BCWTP water rates. He pointed out that retail system peaking factors for Tier 3 and Tier 4 increased and as a result Tier 3 and Tier 4 rates increased, while Tier 1 and Tier 2 did not. Fireline charges and the Casto/Upper Willow Creek rates have also been updated. He stated there is no change

proposed to the meter base charge, or the retail pricing tier thresholds. He noted that some Member Agencies have a “pump zone” surcharge, which has been decreasing due to improved efficiencies of pump stations. Mr. Martin said fees are reviewed every three years with the last review being in 2023, and that there are no other proposed changes in fees for 2024-2025.

Mr. Martin recommended adoption of Resolution No. 24-05, “Tentatively Adopting Jordan Valley Water Conservancy District’s Tentative Budget, Financial Plan, and Water Rates for Fiscal Year 2024-2025”, with either water rate adjustment alternative.

Mr. Jacob clarified the proposed 5.2% water rate increase would require more of the Revenue Stabilization Fund and the proposed 6.0% would require less of the Revenue Stabilization Fund.

Mr. Rushton called for a motion on the recommendation. Ms. Karen Lang moved to adopt Resolution No. 24-05, “Tentatively Adopting Jordan Valley Water Conservancy District’s Tentative Budget, Financial Plan, and Water Rates for Fiscal Year 2023-2024” with a 6.0% water rate increase. Following a second by Mr. Andy Pierucci, the motion was unanimously approved by those present as follows:

- |                            |                    |
|----------------------------|--------------------|
| Mr. Richardson – aye       | Mr. Jacob – aye    |
| Ms. Lang – aye             | Mr. Pierucci – aye |
| Ms. Ramsey – aye           | Mr. Rushton – aye  |
| Mr. Sudbury – not present  | Mr. Taylor – aye   |
| Ms. Townsend - not present |                    |

**Consider setting public hearing date on May 8, 2024, at 6:00 p.m. for proposed fiscal year 2023-2024 budget, water rates, and fees**

Mr. Martin recommended setting a public hearing date for May 8, 2024, at 6:00 p.m. for proposed fiscal year 2024-2025 budget and water rates.

Mr. Rushton called for a motion on the recommendation. Mr. Andy Pierucci moved to set a public hearing date on May 8, 2024, at 6:00 p.m. for proposed fiscal year 2024-2025 budget and water rates. Following a second by Mr. John Richardson, the motion was unanimously approved by those present as follows:

- |                            |                    |
|----------------------------|--------------------|
| Mr. Richardson – aye       | Mr. Jacob – aye    |
| Ms. Lang – aye             | Mr. Pierucci – aye |
| Ms. Ramsey – aye           | Mr. Rushton – aye  |
| Mr. Sudbury – not present  | Mr. Taylor – aye   |
| Ms. Townsend – not present |                    |

**Conservation, Communications, and Information Systems Activities**

**Consider approval of Member Agency Water Efficiency Standards Funding Agreement with the City of South Salt Lake**

Mr. Young said as discussed during the Executive Committee Meeting held Monday, April 8, 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.

Mr. Young recommended approval of a Member Agency Water Efficiency Standards Funding Agreement with the City of South Salt Lake in the amount of \$45,000 for FY 2024-2025.

Mr. Rushton called for a motion on the recommendation. Mr. John Richardson moved to approve a Member Agency Water Efficiency

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Standards Funding Agreement with the City of South Salt Lake in the amount of \$45,000. Following a second by Ms. Dawn Ramsey, the motion was unanimously approved by those present as follows:

Mr. Richardson – aye	Mr. Jacob – aye
Ms. Lang – aye	Mr. Pierucci – aye
Ms. Ramsey – aye	Mr. Rushton – aye
Mr. Sudbury – not present	Mr. Taylor – aye
Ms. Townsend – not present	

**Engineering  
Activities**

**Consider  
authorization to  
award a consulting  
services contract for  
Office and Critical  
Parts Space  
Expansion Study**

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Mr. Shane Swensen, Chief Engineer, said JVVCD is growing, and many workspaces are at capacity. In addition, there is need for emergency parts and equipment storage space. He said the objective of the project is to provide a 10-year plan to budget expansion of existing and new facilities.

Mr. Swensen said two proposals were received and recommended awarding a consulting services contract for Office and Critical Parts Space Expansion Study to CRSA in the amount of \$319,946.

Mr. Rushton asked whether the study would include consideration for any potential future pandemic or similar circumstances. Mr. Swensen said the study will include those considerations and a number of ideas will be proposed.

Mr. Rushton called for a motion on the recommendation. Mr. John Richardson moved to authorize the award of a consulting services contract for Office and Critical Parts Space Expansion Study to CRSA in the amount of \$319,946. Following a second by Mr. Zach Jacob, the motion was unanimously approved by those present as follows:

Mr. Richardson – aye	Mr. Jacob – aye
Ms. Lang – aye	Mr. Pierucci – aye
Ms. Ramsey – aye	Mr. Rushton – aye
Mr. Sudbury – not present	Mr. Taylor – aye
Ms. Townsend – not present	

**Consider  
authorization to  
award an engineering  
services contract for  
Jordan Aqueduct  
Seismic Resiliency  
Study**

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Mr. Swensen explained that in 2021 JVVCD completed a Hazard Mitigation Plan which identified the need for the Jordan Aqueduct to be analyzed for seismic resiliency. He said a FEMA BRIC Grant and a State of Utah Grant have already been awarded. He noted a large amount in the budget 10-year Capital Projects Plan to construct the mitigation measures but anticipates applying for another BRIC grant to help cover costs.

Mr. Swensen said five proposals were received and recommended awarding an engineering services contract for Jordan Aqueduct Seismic Resiliency Study to Jacobs in the amount of \$435,480.

Mr. Rushton called for a motion on the recommendation. Mr. Zach Jacob moved to authorize the award of an engineering services contract for Jordan Aqueduct Seismic Resiliency Study to Jacobs in the amount of \$435,480. Following a second by Ms. Karen Lang, the motion was unanimously approved by those present as follows:

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Mr. Richardson – aye	Mr. Jacob – aye
Ms. Lang – aye	Mr. Pierucci – aye
Ms. Ramsey – aye	Mr. Rushton – aye
Mr. Sudbury – not present	Mr. Taylor – aye
Ms. Townsend – not present	

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**Consider approval of  
Aqueduct Resilience  
Grant Agreement with  
the State of Utah  
Division of Water  
Resources**

Mr. Swensen said the State of Utah Division of Water Resources is providing grant funds to qualified culinary water providers to help harden their aqueduct conveyance systems. JVVCD is conducting a Jordan Aqueduct Seismic Resiliency Study (Study) to assess its resiliency to seismic events. JVVCD applied for and was selected to receive a grant in the amount of \$74,000 to assist with the Study.

Mr. Swensen recommended approval of the Aqueduct Resilience Grant Agreement with the State of Utah Division of Water Resources.

Mr. Rushton called for a motion on the recommendation. Ms. Dawn Ramsey moved to approve the Aqueduct Resilience Grant Agreement with the State of Utah Division of Water Resources in the amount of \$74,000. Following a second by Mr. John Richardson, the motion was unanimously approved by those present as follows:

Mr. Richardson – aye	Mr. Jacob – aye
Ms. Lang – aye	Mr. Pierucci – aye
Ms. Ramsey – aye	Mr. Rushton – aye
Mr. Sudbury – not present	Mr. Taylor – aye
Ms. Townsend – not present	

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**Consider approval of  
engineering services  
contract amendment  
for Jordan Valley  
Water Treatment  
Plant Sedimentation  
Basins 1-2 Seismic  
and Capacity  
Upgrades**

Mr. Swensen said the Jordan Valley Water Treatment Plant (JVVTP) was constructed in 1974, expanded in 1988 and is the largest in the State. JVVTP is currently undergoing another expansion project to extend capacity from 180 MGD to 255 MGD. He said the expansion project is being done in four phases. Phase one, improvements to sedimentation basins 3-6 is complete. Phases two and three are currently in design and phase two will replace sedimentation basins 1-2 along with seismic and capacity upgrades. Phase three will improve JVVTP filters and chemical feed systems. Phase four will complete the project with hydraulic improvements. Mr. Swensen said JVVCD contracted with Hazen and Sawyer to provide design for Phase two of the expansion project, and additional funding is needed to include electrical improvements and additional design services.

Mr. Swensen recommended awarding an engineering services contract amendment for Jordan Valley Water Treatment Plant Sedimentation Basins 1-2 Seismic and Capacity Upgrades to Hazen and Sawyer in the amount of \$745,105.

Mr. Rushton called for a motion on the recommendation. Mr. Andy Pierucci moved to approve the engineering services contract amendment for Jordan Valley Water Treatment Plant Sedimentation Basins 1-2 Seismic and Capacity Upgrades in the amount of \$745,105. Following a second by Ms. Karen Lang, the motion was unanimously approved by those present as follows:

Mr. Richardson – aye  
Ms. Lang – aye  
Ms. Ramsey – aye  
Mr. Sudbury – not present  
Ms. Townsend – not present

Mr. Jacob – aye  
Mr. Pierucci – aye  
Mr. Rushton – aye  
Mr. Taylor – aye

**Consider approval of engineering services contract amendment for Jordan Valley Water Treatment Plant Filter and Chemical Feed Upgrades**

Mr. Swensen said the aforementioned JWVTP Phase three project is currently at the 55% design completion stage. He said the proposed amendment would expand the design scope to include design of chemical feed and filter systems improvements within JWVTP. Improvements include upgrades to the polymer feed system, and powdered activated carbon storage, among others.

Mr. Swensen recommended awarding an engineering services contract amendment for Jordan Valley Water Treatment Plant Filter and Chemical Feed Upgrades to Carollo in the amount of \$924,805.

Mr. Rushton called for a motion on the recommendation. Ms. Dawn Ramsey moved to approve the engineering services contract amendment with Carollo for Jordan Valley Water Treatment Plant Filter and Chemical Feed Upgrades in the amount of \$924,805. Following a second by Mr. Zach Jacob, the motion was unanimously approved by those present as follows:

Mr. Richardson – aye  
Ms. Lang – aye  
Ms. Ramsey – aye  
Mr. Sudbury – not present  
Ms. Townsend – not present

Mr. Jacob – aye  
Mr. Pierucci – aye  
Mr. Rushton – aye  
Mr. Taylor – aye

**Consider grant of easement to PacifiCorp, dba Rocky Mountain Power, at 1516 West 14600 South**

Mr. Swensen said JWVCD staff are currently making improvements to an existing well located at 1516 West 14600 South in Bluffdale. Improvements include replacing the transformer and switch gear. He said to replace the transformer, PacifiCorp requires an easement which would be granted at no cost as it is required to provide electrical service to the site.

Mr. Swensen recommended approval of an easement to PacifiCorp, dba Rocky Mountain Power, at 1516 West 14600 South.

Mr. Rushton called for a motion on the recommendation. Mr. Andy Pierucci moved to approve a grant of easement to PacifiCorp, dba Rocky Mountain Power, at 1516 West 14600 South. Following a second by Mr. John Richardson, the motion was unanimously approved by those present as follows:

Mr. Richardson – aye  
Ms. Lang – aye  
Ms. Ramsey – aye  
Mr. Sudbury – not present  
Ms. Townsend – not present

Mr. Jacob – aye  
Mr. Pierucci – aye  
Mr. Rushton – aye  
Mr. Taylor – aye

**Consider approval of betterment agreement with Utah Department of Transportation for**

Mr. Swensen said the Utah Department of Transportation (UDOT) is preparing to construct a grade-separated interchange along Bangerter Highway at 13400 South in Riverton. JWVCD owns and operates a 30-inch pipeline along 13400 South and as part of their project, UDOT will be relocating a section of the pipeline. Mr. Swensen said JWVCD has an

**vault abandonment  
on 13400 South  
Pipeline**

existing vault in the project area, which is in the roadway, difficult to maintain, and no longer in use, will need to be removed. He said JVVCD will bear all associated costs with the removal of the existing pipeline vault, valves, piping and replacement of new piping in its place, totaling \$43,889.

Mr. Swensen recommended approval of a betterment agreement with Utah Department of Transportation for vault abandonment on 13400 South Pipeline.

Mr. Rushton called for a motion on the recommendation. Mr. John Richardson moved to approve a betterment agreement with Utah Department of Transportation for vault abandonment on 13400 South Pipeline in the amount of \$43,889. Following a second by Ms. Karen Lang, the motion was unanimously approved by those present as follows:

Mr. Richardson – aye	Mr. Jacob – aye
Ms. Lang – aye	Mr. Pierucci – aye
Ms. Ramsey – aye	Mr. Rushton – aye
Mr. Sudbury – not present	Mr. Taylor – aye
Ms. Townsend – not present	

**Operations and  
Maintenance  
Activities**

**Consider approval of  
expenditure for  
annual Provo River  
Watershed Council  
workplan**

Ms. Terry said as a public water system, JVVCD is required to develop and implement a drinking water source protection program for both surface and ground water. She said to comply with these programs JVVCD participates in the Provo River Watershed Council and has for decades. An interlocal agreement with other agencies was signed in 2019 for a five year term and outlined a workplan and cost sharing. Ms. Terry explained that 2024 is the last year of the agreement and there is need for approval of the annual expenditure of the workplan.

Ms. Terry recommended approval of expenditure for annual Provo River Watershed Council workplan in the amount of \$88,000.

Mr. Rushton called for a motion on the recommendation. Ms. Dawn Ramsey moved to approve expenditure for annual Provo River Watershed Council workplan in the amount of \$88,000. Following a second by Mr. Andy Pierucci, the motion was unanimously approved by those present as follows:

Mr. Richardson – aye	Mr. Jacob – aye
Ms. Lang – aye	Mr. Pierucci – aye
Ms. Ramsey – aye	Mr. Rushton – aye
Mr. Sudbury – not present	Mr. Taylor – aye
Ms. Townsend – not present	

**Consider adoption of  
Resolution No. 24-06,  
“Amending Jordan  
Valley Water  
Conservancy  
District’s Personnel  
Rules and  
Regulations Policy”**

Mr. Mark Stratford said a modification is needed to shift JVVCD’s existing Vehicle Policy from its Administrative Policy and Procedures manual to the Personnel Rules and Regulations Policy and update pertinent language. He said the Vehicle Policy will be more accessible by including it in the Personnel Policy.

Mr. Stratford recommended adoption of Resolution No. 24-06, “Amending Jordan Valley Water Conservancy District’s Personnel Rules and Regulations Policy.”

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Mr. Rushton called for a motion on the recommendation. Mr. John Richardson moved to adopt Resolution No. 24-06 “Amending Jordan Valley Water Conservancy District’s Personnel Rules and Regulations Policy.” Following a second by Mr. Andy Pierucci, the motion was unanimously approved by those present as follows:

Mr. Richardson – aye	Mr. Jacob – aye
Ms. Lang – aye	Mr. Pierucci – aye
Ms. Ramsey – aye	Mr. Rushton – aye
Mr. Sudbury – not present	Mr. Taylor – aye
Ms. Townsend – not present	

**Consider adoption of Resolution No. 24-07, “Amending Jordan Valley Water Conservancy District’s Administrative Policy and Procedures Manual”**

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Mr. Mark Stratford said proposed amendments to the Administrative Policy and Procedures Manual include removing the Vehicle Policy, which has now been added to the Personnel Policy, updating Trustee per diem rates to adhere to recently updated State Administrative Code, and make a minor change to the allowed conferences Trustees are authorized to attend.

Mr. Rushton called for a motion on the recommendation. Ms. Karen Lang moved to adopt Resolution No. 24-07 “Amending Jordan Valley Water Conservancy District’s Administrative Policy and Procedures Manual.” Following a second by Mr. John Richardson, the motion was unanimously approved by those present as follows:

Mr. Richardson – aye	Mr. Jacob – aye
Ms. Lang – aye	Mr. Pierucci – aye
Ms. Ramsey – aye	Mr. Rushton – aye
Mr. Sudbury – not present	Mr. Taylor – aye
Ms. Townsend – not present	

**Reporting Items**

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Mr. Stratford reported that JVVCD is in compliance with all legal requirements and internal District practices.

Mr. Packard reviewed routine reporting items which included: performance indicators for February 2024 and media coverage.

**Upcoming meetings**

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Mr. Rushton reviewed upcoming meetings including the Conservation Committee meeting, Monday, May 6 at 3:00 p.m.; Jordan Valley Conservation Gardens Foundations Special Session, Monday, May 6 at 3:30 p.m.; Executive Committee meeting, Monday, May 6 at 4:00 p.m.; Regular Board meeting, Wednesday, May 8 at 3:00 p.m.; and Public Hearing, Wednesday, May 8 at 6:00 p.m.

**Closed meeting**

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Mr. Rushton said there would be no need for a closed session.

**Adjourn**

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Mr. Rushton called for a motion to adjourn. Mr. John Richardson moved to adjourn. Following a second by Mr. Andy Pierucci, the meeting adjourned at 5:16 p.m.

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Corey L. Rushton, Chair of the Board of Trustees

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Alan E. Packard, District Clerk

**JORDAN VALLEY WATER CONSERVANCY DISTRICT  
TRUSTEES EXPENSES REPORT  
APRIL 2024**

Meeting		Executive Committee Meeting April 8, 2024	Board Meeting April 10, 2024	Per Diem To Date for 2024 (Maximum 12)	Total Miles	Mileage \$.62 per mile	Total Per Diem	Total Amount
<b>Trustee</b>								
Jacob, Zach		X	X	0	28.0	\$17.36	\$ -	\$17.36
Lang, Karen		X	X	2	42.0	\$26.04	\$ -	\$26.04
Pierucci, Andy		X	X	2	26.0	\$16.12	\$ 135	\$151.12
Ramsey, Dawn		X	X	4	40.0	\$24.80	\$ 270	\$294.80
Richardson, John		X	X	0	42.0	\$26.04	\$ -	\$26.04
Rushton, Corey		X	X	0	40.0	\$24.80	\$ -	\$24.80
Sudbury, Mick		X		0	29.0	\$17.98	\$ -	\$17.98
Taylor, John			X	0	0.0	\$0.00	\$ -	\$0.00
Townsend, Barbara				0	0.0	\$0.00	\$ -	\$0.00
<b>Total</b>								<b>\$558.14</b>

# **CORE MISSION REPORTS**

# **WATER SUPPLY UPDATE**

**JORDAN VALLEY WATER CONSERVANCY DISTRICT**

*Monthly Summary of Water Deliveries in Acre Feet*

April 2024

**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	185.05	153.26	21%	575.58	544.48	6%	2,583.33	2,533.21	2%
Copperton Improvement District	0.00	0.00		0.00	0.00		10.95	29.23	-63%
Draper City	205.30	145.05	42%	612.46	545.10	12%	3,242.35	3,182.29	2%
Granger-Hunter Improvement District	821.28	942.54	-13%	2,612.74	3,343.56	-22%	13,480.04	14,857.26	-9%
Herriman City <sup>3</sup>	327.75	189.27	73%	1,000.33	618.75	62%	5,100.30	4,238.34	20%
Hexcel Corporation	77.36	77.67	0%	352.87	309.12	14%	736.92	762.98	-3%
Kearns Improvement District	409.39	334.06	23%	1,463.02	1,316.33	11%	5,983.07	5,721.88	5%
Magna Water District	64.92	67.33	-4%	263.71	272.25	-3%	669.10	662.89	1%
Midvale City	157.07	114.82	37%	545.09	503.61	8%	2,270.13	2,625.33	-14%
Riverton City	411.95	348.56	18%	1,485.38	1,335.51	11%	4,521.60	4,115.71	10%
South Jordan City <sup>3</sup>	834.85	615.48	36%	2,433.48	2,195.29	11%	12,621.69	12,493.44	1%
City of South Salt Lake	158.79	103.37	54%	465.25	401.47	16%	963.91	823.20	17%
Taylorsville-Bennion Improvement District	408.26	277.87	47%	1,938.64	1,694.46	14%	4,236.12	4,115.49	3%
Utah Div. of Fac. Const. and Mgmt.	0.94	10.88	-91%	7.11	68.99	-90%	73.34	180.50	-59%
WaterPro, Inc.	0.00	0.22	-100%	0.00	170.39	-100%	829.29	872.59	-5%
City of West Jordan <sup>3</sup>	1,116.13	890.00	25%	3,756.66	3,285.33	14%	16,223.06	15,998.52	1%
White City Water Improvement District	0.00	0.00		0.00	0.00		0.00	0.00	
Willow Creek Country Club <sup>6</sup>	10.86	3.19	240%	12.78	3.59	256%	189.64	208.64	-9%
<b>Wholesale System Subtotal</b>	<b>5,189.89</b>	<b>4,273.58</b>	<b>21%</b>	<b>17,525.09</b>	<b>16,608.23</b>	<b>6%</b>	<b>73,734.84</b>	<b>73,421.51</b>	<b>0%</b>
Retail System <sup>2</sup>	399.67	329.48	21%	1,376.98	1,281.35	7%	5,944.30	5,683.45	5%
<b>Total Wholesale &amp; Retail</b>	<b>5,589.56</b>	<b>4,603.07</b>	<b>21%</b>	<b>18,902.07</b>	<b>17,889.57</b>	<b>6%</b>	<b>79,679.14</b>	<b>79,104.96</b>	<b>1%</b>

**Other M&I Deliveries**

MWDSLS (Treated and Transported) <sup>4</sup>	768.65	433.68	77%	1,737.58	972.94	79%	8,395.31	8,196.99	2%
District Use (Non-revenue) <sup>5</sup>	33.54	27.62	21%	113.41	107.34	6%	478.07	474.63	1%
<b>Other M&amp;I Subtotal</b>	<b>802.19</b>	<b>461.30</b>	<b>74%</b>	<b>1,850.99</b>	<b>1,080.28</b>	<b>71%</b>	<b>8,873.39</b>	<b>8,671.62</b>	<b>2%</b>
<b>Total M&amp;I Deliveries</b>	<b>6,391.75</b>	<b>5,064.36</b>	<b>26%</b>	<b>20,753.06</b>	<b>18,969.85</b>	<b>9%</b>	<b>88,552.53</b>	<b>87,776.58</b>	<b>1%</b>

**Irrigation and Raw Water Deliveries**

Welby Jacob Water Users	51.12	0.00		51.12	0.00		16,250.36	14,091.90	15%
<b>Total Irrigation and Raw Water</b>	<b>51.12</b>	<b>0.00</b>		<b>51.12</b>	<b>0.00</b>		<b>16,250.36</b>	<b>14,091.90</b>	<b>15%</b>
<b>Total Deliveries</b>	<b>6,442.87</b>	<b>5,064.36</b>	<b>27%</b>	<b>20,804.18</b>	<b>18,969.85</b>	<b>10%</b>	<b>104,802.90</b>	<b>101,868.48</b>	<b>3%</b>

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

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

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

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

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

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

# Jordan Valley Water Conservancy District

## Wholesale Contract Progress (af)

April 2024

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

Agency Name	Contract Type	Agency Name	Contract Type
Bluffdale City	Conventional	Midvale City	Conventional
	Deferred Water <sup>4</sup>		Deferred Water <sup>4</sup>
Draper City	Conventional	Riverton City	Conventional
		South Jordan City	Conventional
Granger-Hunter Improvement District	Conventional		Remediated <sup>2</sup>
		City of South Salt Lake <sup>1</sup>	Conventional
Herriman City	Conventional	Taylorsville-Bennion Improvement District	Conventional
	Remediated <sup>2</sup>		
Hexcel Corporation	Conventional	Utah Division of Facilities Construction and Management	Conventional
			Deferred Water <sup>4</sup>
Kearns Improvement District	Conventional	WaterPro, Inc.	Conventional
	Deferred Water <sup>4</sup>		
Magna Water District	Conventional	City of West Jordan	Conventional
			Remediated <sup>2</sup>

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

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

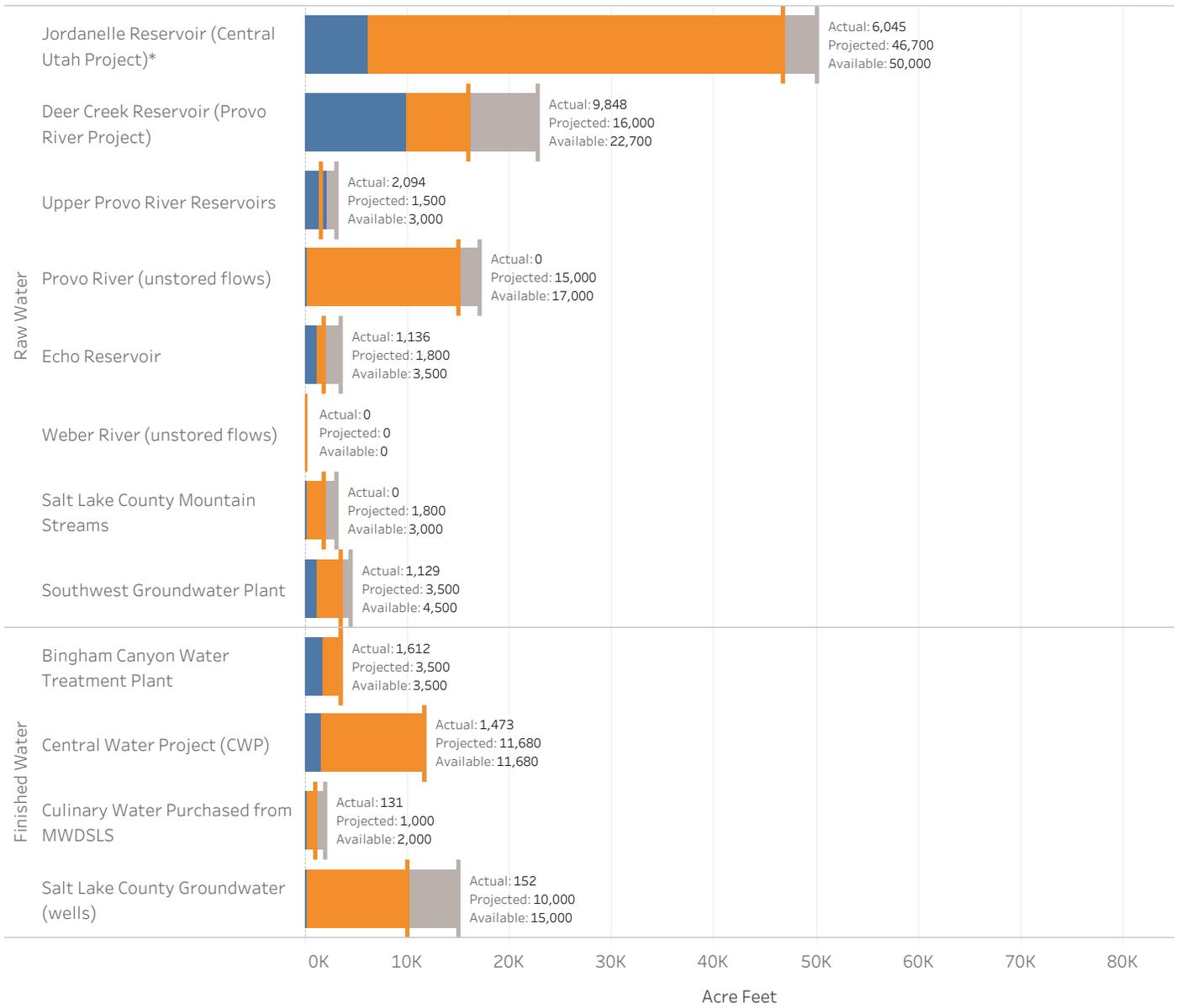
<sup>3</sup>Projected deliveries are calculated as an average monthly delivery over the previous three years for months left in the contract year.

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

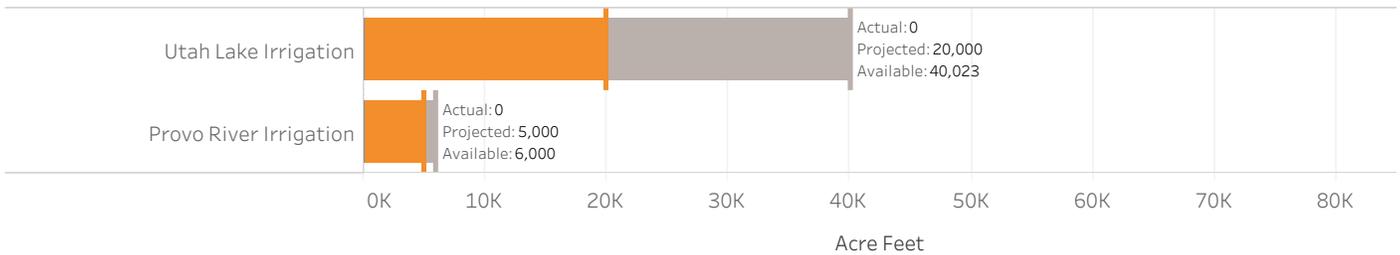
# Jordan Valley Water Conservancy District

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

Actual  
Projected  
Available



Irrigation Water Sources (March 31, 2024)  
Irrigation Season 2024 (April 15, 2024 - October 15, 2024)



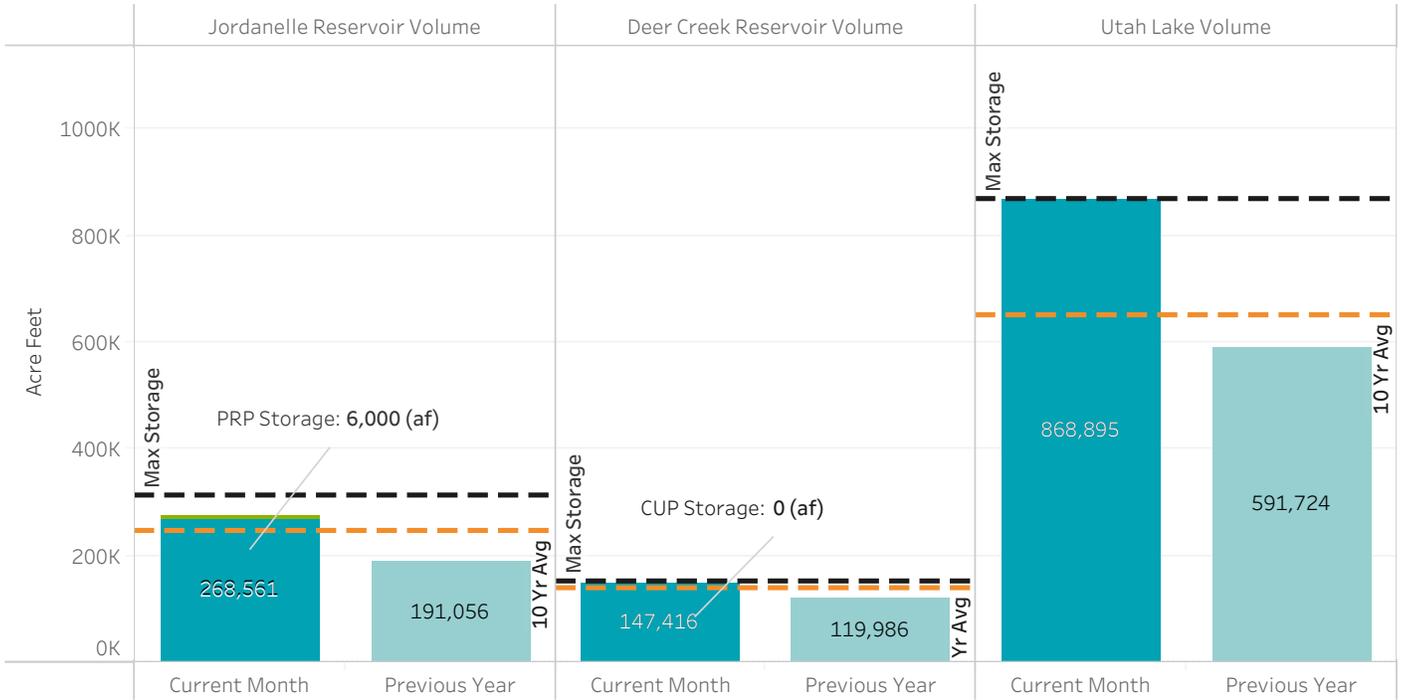
\*Central Utah Project may include holdover water from the previous year.

# Jordan Valley Water Conservancy District

## Provo River Reservoirs Update

May 1, 2024

■ Current Month  
■ Other Storage  
■ Previous Year



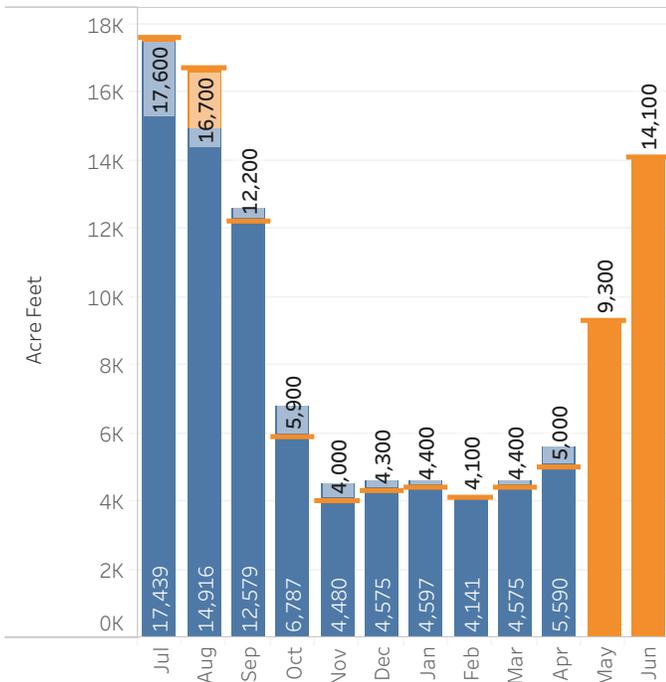
10 Yr Avg for Jordanelle Reservoir may not include all ten years. The available data for Jordanelle Reservoir begins with April, 2014.

### Wholesale + Retail Actual & Projected Deliveries

FY 2024

Through April 2024

■ Actual  
■ Projected



### Water Outlook Update

(Provo River - Utah Lake - Jordan River)

May 1, 2024

BASIN		SNOW WATER EQUIVALENT			TOTAL PRECIPITATION		
Site Name	Elev (ft)	Current	Median	% of Median	Current	Avg	% of Avg
Beaver Divide	8,280	3.7	0.9	411%	21.5	18.7	115%
Brighton	8,766	16.7	18.2	92%	31.9	28.8	111%
Cascade Mountain	7,774	7.2	4.0	180%	29.6	23.6	125%
Clear Creek #1	8,975	14.4	11.6	124%	23.6	21.8	108%
Clear Creek #2	7,837	0.0	3.9	0%	19.3	16.6	116%
Daniels-Strawberry	8,008	1.1	2.5	44%	20.7	18.7	111%
Dry Fork	7,093	0.4	5.2	8%	26.0	23.1	113%
Lookout Peak	8,161	27.9	22.8	122%	39.0	33.8	115%
Louis Meadow	6,700	0.0	0.0	-	35.1	25.8	136%
Mill-D North	8,963	23.2	18.5	125%	34.9	28.9	121%
Parleys Summit	7,585	0.8	3.8	21%	28.0	25.0	112%
Payson R.S.	8,044	0.0	3.3	0%	18.6	17.2	108%
Snowbird	9,177	42.6	40.6	105%	45.5	39.5	115%
Timpanogos Divide	8,140	2.6	11.0	24%	27.5	25.0	110%
Trial Lake	9,992	26.5	22.6	117%	29.1	24.8	117%
<b>Basin Index (%)</b>				<b>99%</b>	<b>116%</b>		

-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

# **WATER QUALITY UPDATE**



JORDAN VALLEY WATER  
CONSERVANCY DISTRICT

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Board Meeting

May 8, 2024

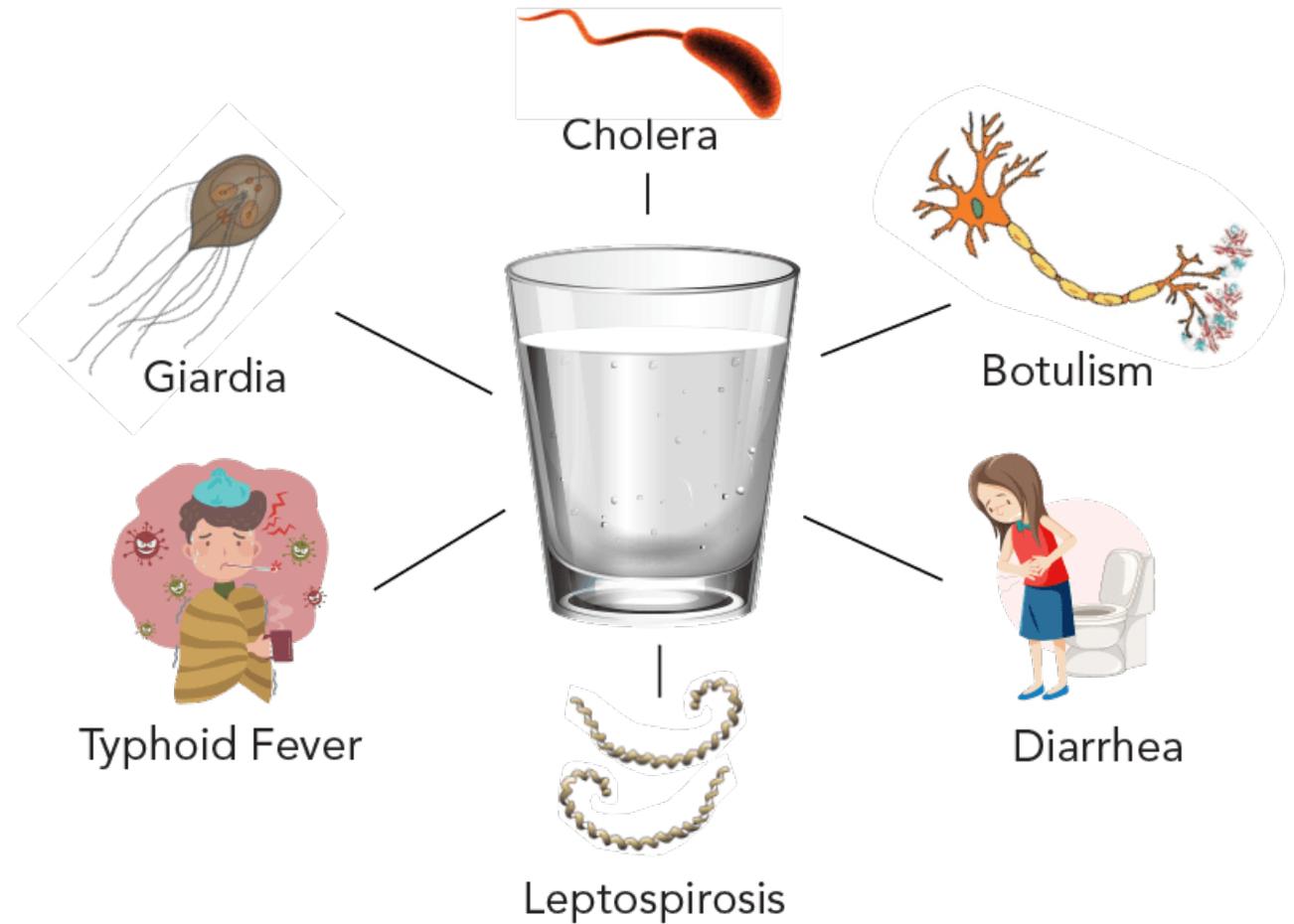
# Water Quality Update

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## Waterborne Diseases

# Waterborne Diseases

A water borne disease is any disease caused by a pathogen (bacteria, virus or microorganism) that is spread through water and causes disease.





# Waterborne Diseases

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- The most common waterborne diseases in the United States currently:
  - Otitis externa
  - Norovirus
  - Giardiasis
  - Cryptosporidiosis
  - Campylobacteriosis
  - Nontuberculous mycobacterial infection
  - Legionnaires' disease
  - Pseudomonas pneumonia
  - Pseudomonas septicemia



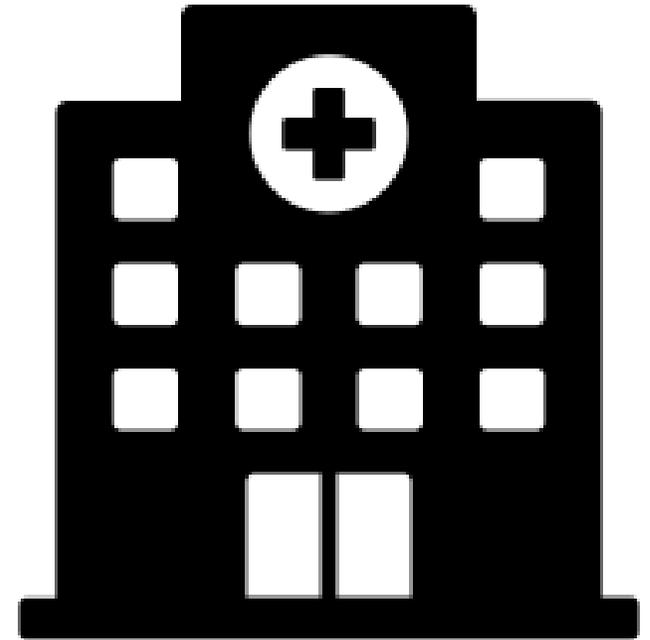


# Waterborne Diseases

2021 CDC  
Waterborne  
Disease Outbreaks  
Annual  
Surveillance  
Report

## Estimate of Burden and Direct Healthcare Cost of Infectious Water borne Disease in the United States

- 17 different waterborne diseases
- 7.15 million waterborne illnesses annually
- 601,000 emergency room visits
- 118,000 hospitalizations
- 6,630 deaths
- \$3.33 billion in direct health care costs





# Waterborne Diseases

## 2021 CDC Waterborne Disease Outbreaks Annual Surveillance Report

2021

### Waterborne Disease Outbreaks in the United States

Outbreaks reported  
**52**

Cases reported  
**511**

Hospitalizations  
**104**

Deaths  
**10**

#### Linked to recreational water exposure



62% of outbreaks

56% of cases

[See data](#)

#### Linked to drinking water exposure



29% of outbreaks

42% of cases

[See data](#)

#### Linked to other water exposures, such as industrial water or flood waters



2% of outbreaks

<1% of cases

[See data](#)

#### Linked to unknown water exposures



8% of outbreaks

2% of cases

[See data](#)



# Waterborne Diseases

2021 CDC  
Waterborne  
Disease Outbreaks  
Annual  
Surveillance  
Report

*Legionella* caused half of reported waterborne disease outbreaks and 63% of hospitalizations and 60% of deaths.

## Top 5 causes of reported outbreaks



1. *Legionella* (50%)
2. Cyanobacterial toxins (15%)
3. *Campylobacter* (6%)
4. *Cryptosporidium* (6%)
5. *Pseudomonas* (6%)

## *Legionella* outbreaks caused the most cases of severe disease



- 20% of reported cases
- 63% of hospitalizations
- 60% of deaths

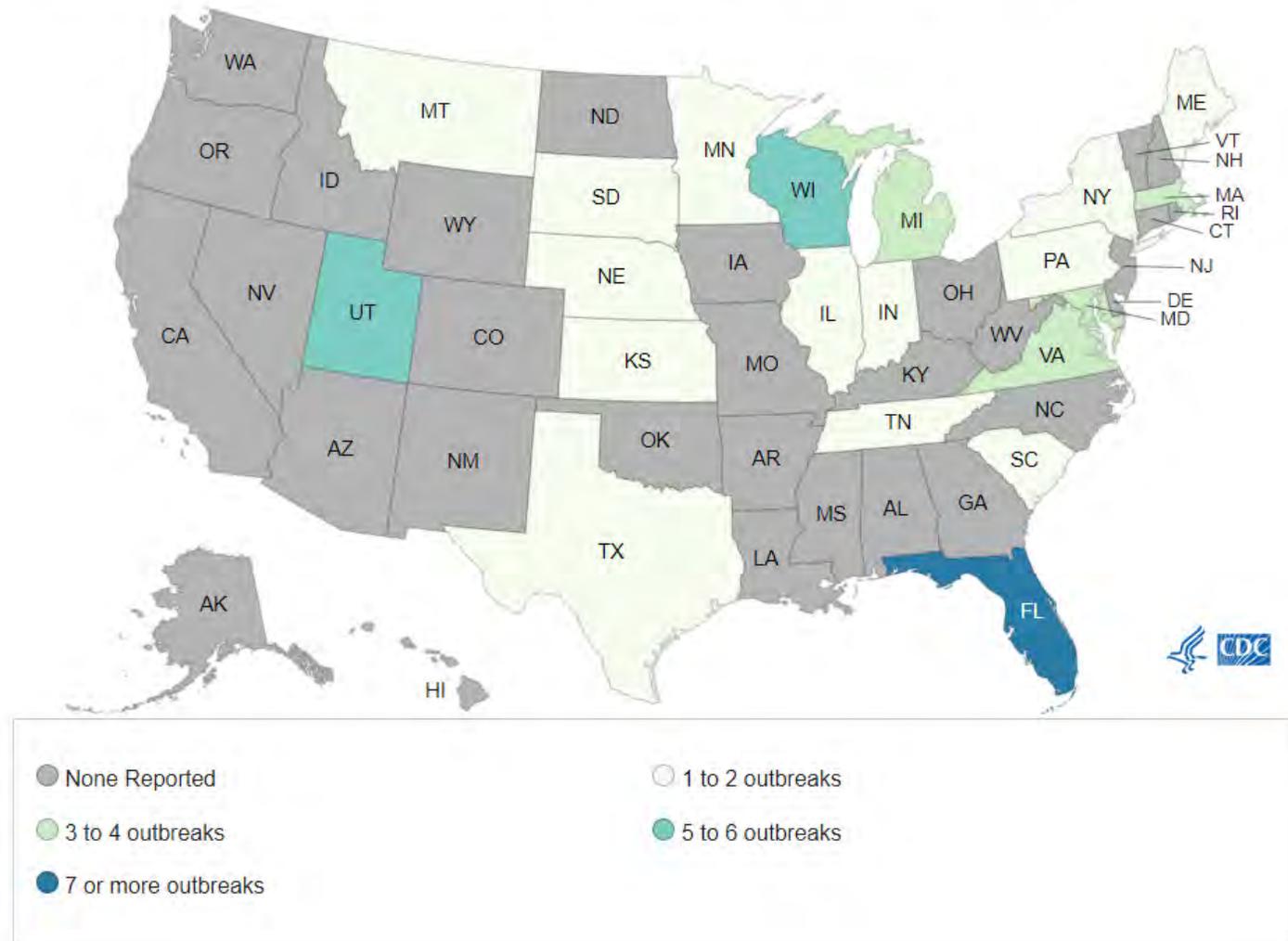




# Waterborne Diseases

## 2021 CDC Waterborne Disease Outbreaks Annual Surveillance Report

Figure 1. Frequency\* of reported waterborne disease outbreaks (N = 52), by state of exposure — Waterborne Disease and Outbreak Surveillance System, United States, 2021





# Waterborne Diseases

## 2021 CDC Waterborne Disease Outbreaks Annual Surveillance Report

Table 10. Number and percentage\* of reported drinking water–associated outbreaks (N = 15) and associated cases, hospitalizations, and deaths, by etiology — Waterborne Disease and Outbreak Surveillance System, United States, 2021

Etiology	Outbreaks N (%)	Cases N (%)	Hospitalizations N (%)	Deaths N (%)
<i>Legionella</i>	10 (67)	39 (18)	35 (63)	3 (43)
<i>Campylobacter</i>	3 (20)	72 (34)	7 (13)	0
<i>Pseudomonas</i>	1 (7)	12 (6)	12 (21)	4 (57)
Multiple†	1 (7)	91 (43)	2 (4)	0
<b>Total</b>	<b>15 (100)</b>	<b>214 (100)</b>	<b>56 (100)</b>	<b>7 (100)</b>

\* Percentages might not sum to 100 due to rounding.

† Multiple includes one outbreak suspected to be caused by multiple etiologies, *Campylobacter* and norovirus.



# Waterborne Diseases

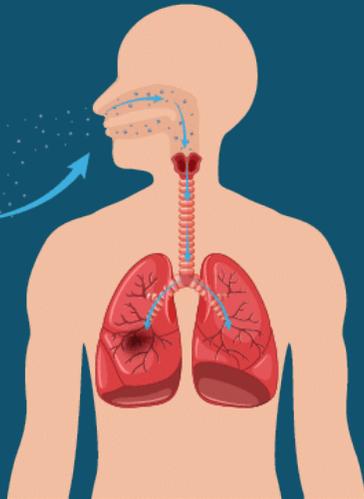
## 2021 CDC Waterborne Disease Outbreaks Annual Surveillance Report

Table 3. Number and percentage\* of reported waterborne disease outbreaks (N = 52) and associated cases, by setting — Waterborne Disease and Outbreak Surveillance System, United States, 2021

Water Setting	Outbreaks N (%)	Cases N (%)
Hotel/Motel	13 (25%)	116 (23%)
Hospital/Healthcare Facility <sup>†</sup>	9 (17%)	38 (7%)
Outdoor Recreational Area	6 (12%)	64 (13%)
Beach	5 (10%)	23 (5%)
Apartment/Condo	4 (8%)	31 (6%)
Club (Requires Membership)	3 (6%)	12 (2%)
Camp/Cabin Setting	2 (4%)	99 (19%)
Community/Municipality <sup>†</sup>	2 (4%)	68 (13%)
School/College/University	2 (4%)	32 (6%)
Subdivision/Neighborhood	2 (4%)	13 (3%)
Unknown <sup>§</sup>	2 (4%)	6 (1%)
Private Residence	1 (2%)	5 (1%)
Ship/Boat	1 (2%)	4 (1%)
<b>Total</b>	<b>52 (100%)</b>	<b>511 (100%)</b>



# Legionella



Legionnaire's Disease which is a type of pneumonia is caused by bacteria called Legionella.

- Causes flu-like symptoms that typically lasts 2-10 days
- Human exposure usually happens in building water systems such as:
  - shower heads
  - sink faucets
  - cooling towers
  - hot tubs
  - decorative fountains and water features
  - hot water heaters
  - large complex plumbing systems



# Legionella

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## WHO IS AT GREATEST RISK?

- People over 40 years of age



- Current and former smokers



- People with chronic lung disease



- People with underlying illnesses and weakened immune systems





# Legionella

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## Best Practices for controlling Legionella:

- Eliminate sections of no- or low-water flow in dead ends, manage water age.
- Manage the circulation and temperature of hot water systems. Store higher than 140°F and circulate it higher than 120°F (hot tubs excluded)
- Store and maintain cold water below 68°F
- Practice proper disinfection and maintain proper disinfectant residual concentrations.
- Size pipes and tanks properly
- Conduct regular cleaning of filters, tanks, etc. including changing out the water.
- Conduct regular water sampling
- Consider point-of-use filters if necessary

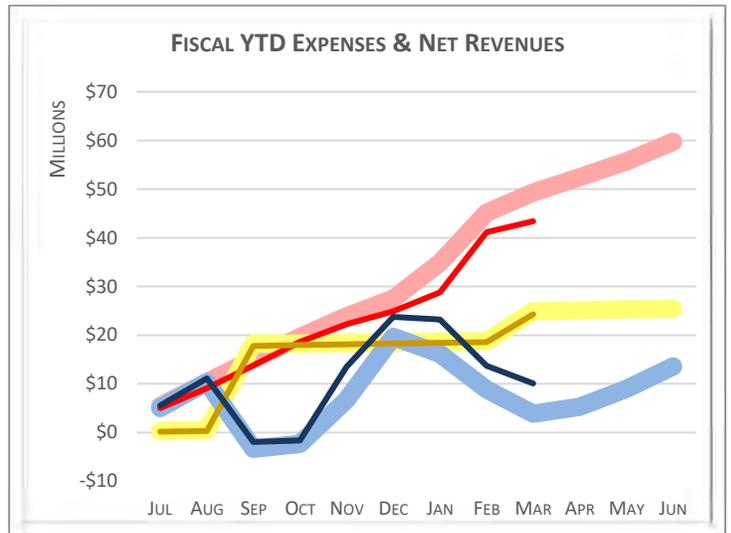
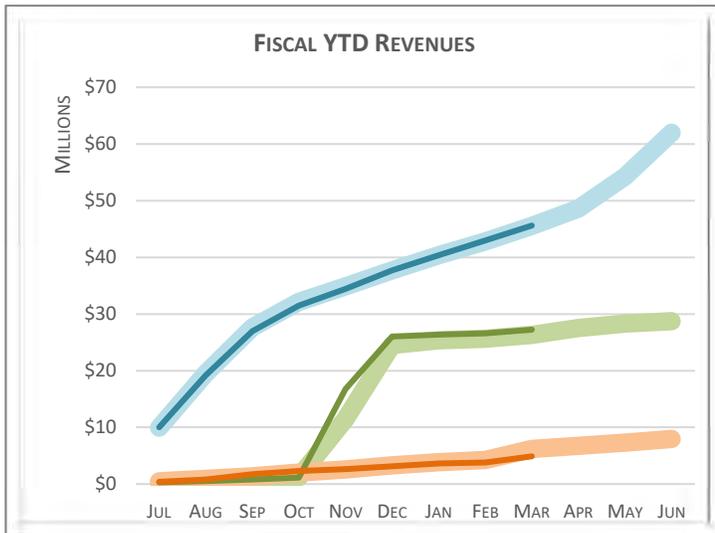
# **STANDING COMMITTEE REPORTS**

# **FINANCE UPDATE**

**JORDAN VALLEY WATER CONSERVANCY DISTRICT**  
**FINANCIAL REPORT SUMMARY – MARCH 2024**

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

	Legend	MARCH 2024	FY 23/24 Y-T-D	FY 23/24 BUDGET
<b>REVENUES</b>				
Water Sales Revenue	—	\$ 2,599,723	\$ 45,604,289	\$ 61,980,076
Property Tax Revenue	—	640,797	27,231,735	28,731,637
All Other Revenue	—	850,901	4,887,525	7,953,800
		<b>4,091,421</b>	<b>77,723,548</b>	<b>98,665,513</b>
<b>EXPENSES</b>				
Operating Expenses	—	2,246,300	43,401,412	59,725,718
Bond Debt Service	—	5,743,965	24,284,782	25,405,675
<b>Net Revenues after Debt Service</b>	—	<b>\$ (3,898,843)</b>	<b>\$ 10,037,355</b>	<b>\$ 13,534,120</b>



**OTHER FINANCIAL HIGHLIGHTS**

<b>FUND BALANCES</b>	
Revenue	\$ 5,862,826
Operation & Maintenance	20,447,167
General Equipment	1,005,526
Retail Deposit Account	365,938
Bond Proceeds	100,507,467
Capital Projects	24,396,243
Replacement Reserve	13,007,141
Development Fee	0
Other Reserves	12,353,491
Bond Reserves	5,175,702
	<b>\$ 183,121,500</b>

<b>LONG-TERM DEBT INFORMATION</b>	
Outstanding Bonds and Notes Payable - 03/31/2024	\$ 391,959,865
<u>Average Annual Debt Payments Next 10-Years</u>	
Principal Payments	\$ 15,709,200
Interest Payments	19,297,000
	<b>\$ 35,006,200</b>
<u>Projected Next Future Bond Issue</u>	
Bond Issue Date	June 2026
Bond Issue Amount	\$ 100,000,000

**JORDAN VALLEY WATER CONSERVANCY DISTRICT**  
**INCOME STATEMENT - MARCH 2024 (75%)**

**MODIFIED ACCRUAL BASIS - UNAUDITED**

	MARCH 2024	FY 23/24 Y-T-D	FY 23/24 BUDGET	% OF BUDGET	MARCH 2023	FY 22/23 Y-T-D	FY 22/23 BUDGET	% OF BUDGET
<b>REVENUES</b>								
Metered Sales of Water								
- Wholesale	\$ 2,328,612	\$ 39,663,545	\$ 54,767,689	72%	\$ 2,598,604	\$ 37,144,772	\$ 52,554,723	71%
- Retail	271,111	5,940,744	7,212,387	82%	250,662	5,271,642	6,758,349	78%
Impact Fees	-	232,341	435,000	53%	76,317	203,053	512,000	40%
General Property Tax	640,797	27,231,735	28,731,637	95%	673,486	24,064,083	25,650,346	94%
Other - Investment Income, etc.	827,949	3,737,334	3,943,800	95%	381,389	2,403,383	1,087,300	221%
Other - Misc.	22,953	917,850	3,575,000	26%	705,507	1,719,361	2,243,093	77%
<b>Total Revenues</b>	<b>4,091,421</b>	<b>77,723,548</b>	<b>98,665,513</b>	<b>79%</b>	<b>4,685,964</b>	<b>70,806,294</b>	<b>88,805,811</b>	<b>80%</b>
<b>OPERATING EXPENSES *</b>								
Water Purchases	158,219	16,719,564	19,449,887	86%	902,959	17,493,655	18,615,784	94%
Operations and Maintenance	505,190	7,442,157	12,255,706	61%	432,616	7,649,083	11,621,168	66%
General and Administrative	155,720	4,541,748	7,552,953	60%	280,987	4,049,313	5,728,341	71%
Payroll Related	1,427,172	14,697,943	20,467,172	72%	779,075	14,092,535	19,587,691	72%
<b>Total Operating Expenses</b>	<b>2,246,300</b>	<b>43,401,412</b>	<b>59,725,718</b>	<b>73%</b>	<b>2,395,637</b>	<b>43,284,586</b>	<b>55,552,984</b>	<b>78%</b>
<b>Net Revenues Available for Debt Service</b>	<b>1,845,121</b>	<b>34,322,137</b>	<b>38,939,795</b>	<b>88%</b>	<b>2,290,328</b>	<b>27,521,708</b>	<b>33,252,827</b>	<b>83%</b>
Bond Debt Service	5,743,965	24,284,782	25,405,675	96%	5,183,224	22,857,017	23,164,500	99%
<b>Net Revenues after Debt Service</b>	<b>(3,898,843)</b>	<b>10,037,355</b>	<b>13,534,120</b>		<b>(2,892,896)</b>	<b>4,664,691</b>	<b>10,088,327</b>	
Transfer of Revenue Stabilization Funds	-	5,663,452	5,663,452	100%	-	8,402,108	8,402,108	100%
<b>Net Revenues</b>	<b>\$ (3,898,843)</b>	<b>\$ 15,700,807</b>	<b>\$ 19,197,572</b>		<b>\$ (2,892,896)</b>	<b>\$ 13,066,799</b>	<b>\$ 18,490,435</b>	
* See Exhibit 2 for summary of expenses by line item.								
<b>NON-OPERATING EXPENSES (REVENUES)</b>								
Capital Replacement Projects	\$ 389,160	\$ 11,772,092	\$ 19,600,000	60%	\$ 147,833	\$ 6,944,662	\$ 21,837,862	32%
Capital Projects	3,154,305	17,179,789	53,505,650	32%	2,794,705	23,135,081	32,456,659	71%
Development Fee	-	705,641	435,000	162%	1,707	409,392	512,000	80%
General Equipment	6,942	493,293	1,423,000	35%	89,248	506,450	903,100	56%
Self Insurance Claims	(5,009)	32,940	100,000	33%	8,981	8,100	100,000	0%
Bond Cost of Issuance	1,500	731,256	700,000		-	-	250,000	
<b>Subtotal</b>	<b>3,546,898</b>	<b>30,915,011</b>	<b>75,763,650</b>	<b>41%</b>	<b>3,042,474</b>	<b>31,003,685</b>	<b>56,059,621</b>	<b>55%</b>
Cap Proj Grants & Other Contrib	-	(3,654,382)	(11,889,642)	31%	-	(1,037,239)	(2,849,431)	36%
(Gain) / Loss on Sale of Assets	(1,240)	(16,058,081)	-		-	(1,584,281)	-	
Bond Cost of Issuance Proceeds	(1,500)	(731,256)	(700,000)		-	-	(250,000)	
<b>Subtotal</b>	<b>(2,740)</b>	<b>(20,443,719)</b>	<b>(12,589,642)</b>	<b>162%</b>	<b>-</b>	<b>(2,621,520)</b>	<b>(3,099,431)</b>	<b>85%</b>
<b>Total Non-operating Expenses (Revenues)</b>	<b>\$ 3,544,158</b>	<b>\$ 10,471,293</b>	<b>\$ 63,174,008</b>		<b>\$ 3,042,474</b>	<b>\$ 28,382,166</b>	<b>\$ 52,960,190</b>	<b>54%</b>

**JORDAN VALLEY WATER CONSERVANCY DISTRICT**  
**OPERATING EXPENSES SUMMARY - MARCH 2024 (75%)**

**MODIFIED ACCRUAL BASIS - UNAUDITED**

DESCRIPTION	MARCH 2024	FY 23/24 Y-T-D	FY 23/24 BUDGET	% OF BUDGET	MARCH 2023	FY 22/23 Y-T-D	FY 22/23 BUDGET	% OF BUDGET
Water Purchases	\$ 149,398	\$ 15,396,868	\$ 18,194,022	85%	\$ 900,579	\$ 16,271,149	\$ 17,402,067	94%
Water Stock Assessments	8,821	1,322,697	1,255,865	105%	2,380	1,222,506	1,213,717	101%
<b>Total Water Purchases</b>	<b>158,219</b>	<b>16,719,565</b>	<b>19,449,887</b>	<b>86%</b>	<b>902,959</b>	<b>17,493,655</b>	<b>18,615,784</b>	<b>94%</b>
Building & Grounds Maint	22,939	275,836	409,420	67%	13,174	238,132	389,512	61%
General Property & Leases	1,085	93,348	204,596	46%	197	90,745	210,482	43%
Repair & Replacement	141,129	685,749	1,427,198	48%	49,152	914,703	1,230,499	74%
Scheduled Maintenance	38,952	423,401	667,427	63%	16,823	282,970	552,539	51%
Tools & Supplies	39,515	304,011	338,269	90%	16,462	219,583	338,911	65%
Treatment - Chemicals	66,863	2,078,391	3,171,672	66%	1,272	1,472,574	2,780,169	53%
Treatment - Lab, Studies & Quality	40,353	275,590	686,041	40%	14,080	407,771	607,499	67%
Utilities - JVVWP	38,070	273,747	351,780	78%	33,497	239,188	347,460	69%
Utilities - SERWTP	12,755	106,006	120,546	88%	17,738	92,202	118,842	78%
Utilities - SWGWTP & RO Wells	27,503	437,747	724,122	60%	50,705	340,678	734,702	46%
Utilities - Wells	8,607	416,101	1,064,636	39%	90,647	1,089,502	1,334,878	82%
Utilities - Boosters	28,085	1,286,002	1,731,448	74%	80,485	1,344,822	1,663,712	81%
Utilities - JNPS & JA	984	443,857	788,634	56%	5,798	514,832	784,314	66%
Utilities - Other	4,038	88,335	210,217	42%	21,893	156,592	203,549	77%
Utility Location (Blue Stakes)	2,126	22,656	37,050	61%	2,056	23,652	28,050	84%
Vehicle & Gen. Equip. - Fuel	11,295	131,523	200,660	66%	14,184	162,769	180,060	90%
Vehicle & Gen. Equip. - Parts	20,888	99,857	121,990	82%	4,454	58,369	115,990	50%
<b>Total Operations &amp; Maintenance</b>	<b>505,190</b>	<b>7,442,157</b>	<b>12,255,706</b>	<b>61%</b>	<b>432,616</b>	<b>7,649,083</b>	<b>11,621,168</b>	<b>66%</b>
Bond Fees	65,041	301,617	396,400	76%	20,342	311,223	424,000	73%
Computer Supplies	17,287	496,017	844,080	59%	101,537	556,126	822,775	68%
Conservation Programs	3,544	1,460,910	3,060,030	48%	31,411	1,020,110	1,567,873	65%
General & Administrative	10,594	221,169	236,910	93%	14,367	181,508	211,950	86%
General Insurance	-	1,256,027	1,206,021	104%	19,500	1,114,009	1,031,351	108%
Legal & Auditing Fees	8,638	251,712	491,650	51%	26,127	310,622	481,650	64%
Office / Mailing / Safety	19,586	208,871	282,930	74%	16,782	181,683	277,858	65%
Professional Consulting Services	9,325	104,755	429,371	24%	15,695	158,982	316,350	50%
Public Relations	3,601	42,669	202,964	21%	514	27,700	192,925	14%
Training & Education	18,105	198,001	402,597	49%	34,712	187,351	401,609	47%
<b>Total General &amp; Administrative</b>	<b>155,720</b>	<b>4,541,748</b>	<b>7,552,953</b>	<b>60%</b>	<b>280,987</b>	<b>4,049,313</b>	<b>5,728,341</b>	<b>71%</b>
Payroll Related	1,427,172	14,697,943	20,467,172	72%	779,075	14,092,535	19,587,691	72%
<b>Total Operating Expenses</b>	<b>\$ 2,246,300</b>	<b>\$ 43,401,412</b>	<b>\$ 59,725,718</b>	<b>73%</b>	<b>\$ 2,395,637</b>	<b>\$ 43,284,586</b>	<b>\$ 55,552,984</b>	<b>78%</b>

**JORDAN VALLEY WATER CONSERVANCY DISTRICT**  
**METERED SALES OF WHOLESALE WATER - MARCH 2024**

**MODIFIED ACCRUAL BASIS - UNAUDITED**

WHOLESALE MEMBER AGENCY	CURRENT MONTH			FISCAL YTD		
	MARCH 2024	MARCH 2023	INCREASE / (DECREASE)	MARCH 2024	MARCH 2023	INCREASE / (DECREASE)
Bluffdale	\$ 79,231	\$ 77,804	\$ 1,427	\$ 1,509,262	\$ 1,402,470	\$ 106,792
Div of Fac Const & Mgnt	828	10,340	(9,512)	185,796	146,710	39,086
Draper	74,904	76,249	(1,345)	1,705,697	1,623,772	81,925
Granger-Hunter	345,754	512,477	(166,724)	7,459,664	7,834,735	(375,071)
Herriman	149,128	103,101	46,027	3,379,217	2,740,618	638,599
Hexcel Corporation	42,521	36,364	6,157	302,118	282,213	19,905
Kearns	220,694	197,300	23,394	3,525,349	3,165,921	359,428
Magna	29,979	29,522	457	267,937	251,684	16,253
Midvale	79,054	57,515	21,539	1,130,546	1,265,909	(135,363)
Riverton	187,172	171,465	15,707	2,528,134	2,051,479	476,655
South Jordan	316,166	305,022	11,144	6,861,868	5,958,377	903,491
South Salt Lake	51,761	48,171	3,590	340,923	296,694	44,229
Taylorsville-Bennion	225,299	199,791	25,507	1,642,893	1,580,041	62,852
WaterPro, Inc.	-	277,340	(277,340)	213,549	277,340	(63,791)
West Jordan	525,816	495,952	29,864	8,594,020	8,252,129	341,891
White City	50	50	-	450	450	-
Willow Creek Country Club	255	140	115	16,123	14,231	1,892
<b>TOTALS</b>	<u>\$ 2,328,612</u>	<u>\$ 2,598,604</u>	<u>\$ (269,992)</u>	<u>\$ 39,663,545</u>	<u>\$ 37,144,772</u>	<u>\$ 2,518,773</u>

## JORDAN VALLEY WATER CONSERVANCY DISTRICT FUND BALANCES - MARCH 2024

**CASH BASIS - UNAUDITED**

**Operating Funds**

	Revenue Fund *	Operation and Maintenance Fund *	General Equipment Fund	Retail Deposit Account
<b>Beginning Cash Balance</b>	\$ 8,130,367.93	\$ 22,133,248.48	\$ 1,007,959.58	\$ 365,938.00
<b><u>CASH RECEIPTS:</u></b>				
Operations	3,434,110.76	640,796.97	-	-
Interest	37,805.36	100,131.07	4,508.28	-
Bond	-	-	-	-
Transfers	-	-	-	-
<b>Total Cash Receipts</b>	<u>3,471,916.12</u>	<u>740,928.04</u>	<u>4,508.28</u>	<u>-</u>
<b><u>CASH DISBURSEMENTS:</u></b>				
Operations	10,628.86	2,427,009.78	-	-
Capital	-	-	6,941.98	-
Debt Service	5,728,829.60	-	-	-
Other	-	-	-	-
Transfers	-	-	-	-
<b>Total Disbursements</b>	<u>5,739,458.46</u>	<u>2,427,009.78</u>	<u>6,941.98</u>	<u>-</u>
<b>Net Change in Cash</b>	<u>(2,267,542.34)</u>	<u>(1,686,081.74)</u>	<u>(2,433.70)</u>	<u>-</u>
<b>Ending Cash Balance</b>	<u>\$ 5,862,825.59</u>	<u>\$ 20,447,166.74</u>	<u>\$ 1,005,525.88</u>	<u>\$ 365,938.00</u>
 * Minimum Balance or Reserve	 <u>\$ 6,351,419.00</u>	 <u>\$ 7,600,000.00</u>	 <u>\$ -</u>	 <u>\$ -</u>



## JORDAN VALLEY WATER CONSERVANCY DISTRICT FUND BALANCES - MARCH 2024

**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 *
<b>Beginning Cash Balance</b>	\$	407,083.31	\$ 5,473,087.66	\$ 3,026,390.30	\$ 3,386,936.00	\$ 5,163,429.97	\$ 189,932,076.60
<b><u>CASH RECEIPTS:</u></b>							
Operations		-	5,154.96	-	-	-	4,080,062.69
Interest		1,820.75	24,479.34	28,684.72	-	12,271.69	827,882.05
Bond		-	-	-	-	-	-
Transfers		-	-	-	-	-	-
<b>Total Cash Receipts</b>		<u>1,820.75</u>	<u>29,634.30</u>	<u>28,684.72</u>	<u>-</u>	<u>12,271.69</u>	<u>4,907,944.74</u>
<b><u>CASH DISBURSEMENTS:</u></b>							
Operations		-	145.55	-	-	-	2,439,284.19
Capital		-	-	-	-	-	3,550,407.05
Debt Service		-	-	-	-	-	5,728,829.60
Other		-	-	-	-	-	-
Transfers		-	-	-	-	-	-
<b>Total Disbursements</b>		<u>-</u>	<u>145.55</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>11,718,520.84</u>
<b>Net Change in Cash</b>		<u>1,820.75</u>	<u>29,488.75</u>	<u>28,684.72</u>	<u>-</u>	<u>12,271.69</u>	<u>(6,810,576.10)</u>
<b>Ending Cash Balance</b>	\$	<u>408,904.06</u>	<u>\$ 5,502,576.41</u>	<u>\$ 3,055,075.02</u>	<u>\$ 3,386,936.00</u>	<u>\$ 5,175,701.66</u>	<u>\$ 183,121,500.50</u>
* Minimum Balance or Reserve	\$	<u>408,904.06</u>	<u>\$ 5,502,576.41</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 5,175,701.66</u>	<u>\$ 25,038,601.13</u>

**JORDAN VALLEY WATER CONSERVANCY DISTRICT**  
**FUND BALANCES - MARCH 2024**

**INVESTMENT SUMMARY**

	Institution/Account	Fund	Date Invested	Maturity Date	Interest Rate	Principal Invested	
Operating Funds	Zions Bank - Checking/Sweep Account	Revenue	03/01/24	03/31/24	4.85%	\$ 992,700.44	
	Paypal Account - Garden Revenue	Revenue	03/01/24	03/31/24	0.00%	6,517.35	
	Wells Fargo Bank - Savings Account	Revenue	03/01/24	03/31/24	0.01%	367,082.18	
	Express Bill Pay Deposit Account	Revenue	03/01/24	03/31/24	0.00%	82,844.41	
	CUWCD Series B-4 Revenue Bonds	Revenue	06/20/13	10/01/34	5.54%	1,670,000.00	
	Public Treasurers Investment Fund	Revenue	03/01/24	03/31/24	5.44%	2,743,681.21	
	<b>Subtotal - Revenue Funds</b>						<b>5,862,825.59</b>
	Zions Bank - Checking/Sweep Account	O&M	03/01/24	03/31/24	4.85%	1,115,651.34	
	Public Treasurers Investment Fund	O&M	03/01/24	03/31/24	5.44%	19,331,515.40	
	<b>Subtotal - O&amp;M Funds</b>						<b>20,447,166.74</b>
Public Treasurers Investment Fund	General Equipment	03/01/24	03/31/24	5.44%	1,005,525.88		
Retail Deposit Account	Retail Deposit	03/01/24	03/31/24	0.00%	365,938.00		
<b>Total Operating Funds</b>						<b>\$ 27,681,456.21</b>	
Capital Funds	Public Treasurers Investment Fund	Capital Replacement Reserve	03/01/24	03/31/24	5.44%	\$ 13,007,141.27	
	Public Treasurers Investment Fund	Capital Projects	03/01/24	03/31/24	5.44%	24,396,243.24	
	Public Treasurers Investment Fund	Bond Project Funds	03/01/24	03/31/24	5.44%	100,507,466.62	
	Public Treasurers Investment Fund	Development Fee	03/01/24	03/31/24	5.44%	0.00	
	<b>Total Capital Funds</b>						<b>\$ 137,910,851.14</b>
Reserve Funds	Public Treasurers Investment Fund	Self Insurance	03/01/24	03/31/24	5.44%	\$ 5,502,576.41	
	Public Treasurers Investment Fund	JVWTP Maintenance	03/01/24	03/31/24	5.44%	99,242.76	
	Public Treasurers Investment Fund	Bond R&R	03/01/24	03/31/24	5.44%	179,348.95	
	Public Treasurers Investment Fund	JA Maintenance	03/01/24	03/31/24	5.44%	130,312.35	
	Public Treasurers Investment Fund	Revenue Stabilization	03/01/24	03/31/24	5.44%	3,055,075.02	
	Public Treasurers Investment Fund	Short-Term Operating Reserve	03/01/24	03/31/24	5.44%	3,386,936.00	
<b>Total Reserve Funds</b>						<b>\$ 12,353,491.49</b>	
Restricted Funds	Zions Bank (Trustee) - US Treasury Notes	B-1 Bond Debt Serv Res	Varies	Varies	2.84%	\$ 5,010,763.60	
	Zions Bank (Trustee) - US Treasury Notes	2009C Bond Debt Serv Res	Varies	Varies	2.84%	164,938.06	
	<b>Total Restricted Funds</b>						<b>\$ 5,175,701.66</b>
<b>TOTAL ALL FUNDS</b>						<b>\$ 183,121,500.50</b>	

**JORDAN VALLEY WATER CONSERVANCY DISTRICT**  
BALANCE SHEET - MARCH 2024

**MODIFIED ACCRUAL BASIS - UNAUDITED**

	MARCH 2024	MARCH 2023
<b>ASSETS</b>		
<i>Current Assets:</i>		
Cash & Cash Equivalents (Note 1)	\$ 77,439,350	\$ 64,629,956
Accounts Receivable	3,979,127	3,896,254
Inventory	814,518	654,868
Total Current Assets	82,232,995	69,181,078
<i>Restricted Assets:</i>		
Cash & Investments	105,683,168	24,462,784
<i>Long-Term Assets:</i>		
Long-Term Receivables	-	-
Other Assets	3,815,444	8,565,423
Property, Plant & Equipment (Net)	605,717,918	578,518,686
Total Long-Term Assets	609,533,362	587,084,109
<b>Total Assets</b>	<b>\$ 797,449,526</b>	<b>\$ 680,727,971</b>
<b>LIABILITIES &amp; FUND EQUITY</b>		
<i>Current Liabilities:</i>		
Accounts Payable	\$ 270	\$ 0
Other Current Liabilities	1,491,348	1,524,360
Total Current Liabilities	1,491,618	1,524,360
<i>Long-Term Liabilities:</i>		
Bonds and Notes Payable	391,959,865	312,532,852
Other Long-Term Liabilities	8,351,061	8,247,331
Total Long-Term Liabilities	400,310,926	320,780,183
<b>Total Liabilities</b>	401,802,544	322,304,543
<b>Total Net Position</b>	395,433,433	358,423,428
<b>Total Liabilities &amp; Net Position</b>	<b>\$ 797,235,976</b>	<b>\$ 680,727,971</b>

Note 1: Cash and cash equivalents totalling \$46,966,562 have been committed for; replacement reserve \$13,007,141, capital projects \$24,396,243, development fee \$0,000, general equipment \$1,005,526, self insurance reserve \$5,502,576 and revenue stabilization fund \$6,442,011.

**JORDAN VALLEY WATER CONSERVANCY DISTRICT**  
**IMPACT FEE SUMMARY - MARCH 2024**

**CASH BASIS - UNAUDITED**

Date      Payee                      Subdivision/Lot#                      Amount

Total Fees Collected March

\_\_\_\_\_  
\$                      -  
\_\_\_\_\_

Total Fees Collected Fiscal YTD

\_\_\_\_\_

\$ 232,341.00  
\_\_\_\_\_

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## CHECK REGISTER - REVENUE ACCOUNT

For the Period March 01, 2024 Through March 31, 2024

CHECK NO.	CHECK DATE	VENDOR NAME	CHECK AMOUNT
72186	3/4/24	DEOLLOS, VINCENT	\$6.77
72187	3/4/24	GRIFFIN, CINDY	17.00
72188	3/4/24	MILES, BRODY	13.30
72189	3/4/24	WALBOM, THOMAS A	4.00
72190	3/6/24	CAMPBELL, MALCOLM	1,910.37
72191	3/19/24	COPPLE, RANDY	274.10
72192	3/19/24	DUPAIX, FRED W	11.62
72193	3/19/24	MIERA, BERNICE	1.61
72194	3/19/24	SIMES, MAUREEN	9.86
72195	3/22/24	ALLEN YUILL	58.12
72196	3/22/24	REAL ESTATE WANTED	24.38
72197	3/22/24	SMITH, VALERIE	23.44
72198	3/22/24	WERRETT, DAVID E	11.32
72199	3/25/24	BOE, JASON MILLCREEK CABINET	2.33
72200	3/25/24	WALZ, ANGELA I	50.50
72201	3/25/24	WALZ, ANGELA	48.60
72202	3/25/24	WALZ, ANGELA I	5.10
REPORT TOTAL:			<u>\$2,472.42</u>

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PAYMENT REGISTER - O&M ACCOUNT

*For the Period March 01, 2024 Through March 31, 2024*

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
180201	3/7/24	<b>AAF INTERNATIONAL</b> 81000570 5360	HVAC FILTERS	129.96	<b>\$129.96</b>
180202	3/7/24	<b>ALLEN CURTIS</b> 80000570 5290	RWUA	367.29	<b>367.29</b>
180203	3/7/24	<b>ALPHA COMMUNICATIONS SITES INC</b> 91000570 5530	SITE LEASE	191.45	<b>191.45</b>
180204	3/7/24	<b>BRAXTON MYLER</b> 77000590 5290	RWUA	367.29	<b>367.29</b>
180205	3/7/24	<b>CHRISTENSEN &amp; JENSEN PC</b> 51000650 5284	GENERAL ADJUDICATION	450.00	<b>450.00</b>
180206	3/7/24	<b>CLOYD AND RUTH CHRISTIANSEN FAMILY TRUST</b> 11000170 6010	WATER SHARE PURCHASE	135,000.00	<b>135,000.00</b>
180207	3/7/24	<b>COLONIAL FLAG &amp; SPECIALTY CO</b> 83000570 5350	FLAG ARRANGEMENT FOR NEW UTAH FLAG	354.80	<b>354.80</b>
180208	3/7/24	<b>DAVID L JENSEN &amp; ASSOCIATES</b> 11000182 6010 4331	JVWTP HVAC CHILLER REPLACEMENT	36,890.00	<b>36,890.00</b>
180209	3/7/24	<b>GENEVA ROCK PRODUCTS INC</b> 82000570 5380	ROADBASE 3/4 INCH APWA SPEC	845.20	<b>845.20</b>
180210	3/7/24	<b>HEIDI NILSSON</b> 77000590 5290	RWUA	489.72	<b>489.72</b>
180211	3/7/24	<b>IMA, INC</b> 51000650 5135	HEALTH INSURANCE BROKER SERVICES	26,137.50	<b>26,137.50</b>
180212	3/7/24	<b>JEFF SMALL</b> 75000590 5290	RWUA	367.29	<b>367.29</b>
180213	3/7/24	<b>JONES PAINT &amp; GLASS INC</b> 83000570 5350	PAINT FOR WILLOW CREEK FLOORS	2,389.20	<b>2,389.20</b>
180214	3/7/24	<b>MATT HINCKLEY</b> 75000590 5290	RWUA	367.29	<b>367.29</b>
180215	3/7/24	<b>MATTHEW VOLMAR</b> 51000650 5290	ENGAGE	451.20	<b>451.20</b>
180216	3/7/24	<b>NAPA GENUINE AUTO PARTS COMPANY</b> 81071570 5380	THREAD REPAIR KIT FOR PUMP JVWTP	27.18	<b>27.18</b>
180217	3/7/24	<b>NORTHERN LAKE SERVICE INC</b> 77071590 5770 77072590 5770 77073590 5770 77075590 5770	WATER QUALITY ANALYSIS WATER QUALITY ANALYSIS WATER QUALITY ANALYSIS WATER QUALITY ANALYSIS	765.00 765.00 773.00 3,077.00	<b>5,380.00</b>
180218	3/7/24	<b>PFM ASSET MANAGEMENT LLC</b> 51000650 5280	MONTHLY INVESTMENT ADVISOR FEES	653.80	<b>653.80</b>
180219	3/7/24	<b>PROVO RESERVOIR WATER USERS COMPANY</b> 11000170 6010 3909	PRWUC CONTAINED SHARES ANNUAL ASSE	365,080.25	<b>1,365,080.25</b>

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PAYMENT REGISTER - O&M ACCOUNT

*For the Period March 01, 2024 Through March 31, 2024*

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
<b>180220</b>	<b>3/7/24</b>	<b>RHINO PUMPS</b>			<b>\$2,464.62</b>
		81071570 5360	MECHANICAL SEAL	2,464.62	
<b>180221</b>	<b>3/7/24</b>	<b>ROCKY MOUNTAIN POWER</b>			<b>39,662.68</b>
		71000590 5410	175509260287	17,054.94	
		75200590 5410	311522760223	3,437.31	
		75200590 5410	311522760538	2,689.03	
		75200590 5410	311522760561	10,548.33	
		75200590 5410	311522760579	3,856.73	
		75200590 5410	325517860012	11.23	
		75300590 5410	333110760050	10.65	
		75300590 5410	377120460045	315.62	
		75300590 5410	175509260048	341.92	
		75300590 5410	175509260055	61.78	
		75300590 5410	175509260139	16.84	
		75300590 5410	175509260204	61.37	
		75300590 5410	311522760017	177.55	
		75300590 5410	311522760215	381.26	
		75500590 5410	175509260196	318.46	
		75600590 5410	377120460102	38.38	
		75600590 5410	311522760041	0.03	
		75600590 5410	311522760066	15.21	
		75600590 5410	311522760165	45.74	
		75600590 5410	311522760173	27.06	
		75600590 5410	377120460078	16.84	
		75600590 5410	377120460094	37.79	
		75600590 5410	175509260022	38.21	
		75600590 5410	217351760012	17.44	
		75600590 5410	311522760025	14.59	
		75700590 5410	253216260013	82.86	
		75700590 5410	364292260015	45.51	
<b>180222</b>	<b>3/7/24</b>	<b>SANDY CITY</b>			<b>2,389.73</b>
		72000590 5440	3721201	2,389.73	
<b>180223</b>	<b>3/7/24</b>	<b>SHAZELLE TERRY</b>			<b>579.60</b>
		51000650 5290	RWUA	579.60	
<b>180224</b>	<b>3/7/24</b>	<b>SHIMADZU SCIENTIFIC INSTRUMENT</b>			<b>1,819.00</b>
		78000590 5720	LAB INSTRUMENT PARTS	1,819.00	
<b>180225</b>	<b>3/7/24</b>	<b>SOUTH JORDAN CITY</b>			<b>67.24</b>
		52000570 5400	10305 S 3200 W LAND	67.24	
<b>180226</b>	<b>3/7/24</b>	<b>STANDARD PLUMBING SUPPLY/SPRINKLER WORLD</b>			<b>33.84</b>
		81073570 5380	AIR VENT AND PIPE FITTINGS RO PLANT	33.84	
<b>180227</b>	<b>3/7/24</b>	<b>US BANK FINANCIAL</b>			<b>37,487.71</b>
		11000200 2132	PCARDS 012624-022624	37,487.71	
<b>180228</b>	<b>3/7/24</b>	<b>UTAH COMMUNICATIONS INC</b>			<b>40.00</b>
		91000570 5530	MAINTENANCE CONTRACTS	40.00	
<b>180229</b>	<b>3/7/24</b>	<b>UTAH DEPT OF WORKFORCE SERVICE</b>			<b>1,160.04</b>
		51000650 5165	UNEMPLOYMENT INSURANCE CONTRIBUTI	1,160.04	

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PAYMENT REGISTER - O&M ACCOUNT

*For the Period March 01, 2024 Through March 31, 2024*

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
<b>180230</b>	<b>3/7/24</b>	<b>VERIZON WIRELESS</b>			<b>\$1,765.98</b>
		90000650 5230	VERIZON AMI BILL	50.10	
		90000650 5230	VERIZON WIRELESS IPAD BILL	136.98	
		90000650 5230	VERIZON WIRELESS PHONE & DATA ACCESS	1,237.55	
		90071650 5230	VERIZON AMI BILL	25.00	
		90071650 5230	VERIZON WIRELESS PHONE & DATA ACCESS	65.50	
		90072650 5230	VERIZON AMI BILL	25.00	
		90072650 5230	VERIZON WIRELESS PHONE & DATA ACCESS	25.49	
		90077650 5230	VERIZON WIRELESS PHONE & DATA ACCESS	127.77	
		90101650 5230	VERIZON AMI BILL	25.00	
		90101650 5230	VERIZON WIRELESS PHONE & DATA ACCESS	47.59	
<b>180231</b>	<b>3/7/24</b>	<b>WASATCH PROPANE</b>			<b>1,204.51</b>
		81000570 5360	PROPANE FOR THE TERMINAL STORAGE BU	1,204.51	
<b>180232</b>	<b>3/7/24</b>	<b>WEST JORDAN CITY</b>			<b>2,601.12</b>
		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	
<b>180233</b>	<b>3/7/24</b>	<b>WHOLESALE OFFICE FURNITURE</b>			<b>5,793.00</b>
		83000570 5350	MAINTENANCE BREAK ROOM OFFICE MODIF	5,793.00	
<b>180234</b>	<b>3/14/24</b>	<b>ACCURINT</b>			<b>239.48</b>
		51000650 5170	MONTHLY PEOPLE SEARCH SERVICE	239.48	
<b>180235</b>	<b>3/14/24</b>	<b>ALLSTREAM</b>			<b>2,115.47</b>
		51000650 5450	8215 S 1300 W	2,115.47	
<b>180236</b>	<b>3/14/24</b>	<b>ARBITRAGE COMPLIANCE SPECIALISTS INC</b>			<b>2,750.00</b>
		51000650 5286	2019A BOND ARBITRAGE CALCULATION	2,750.00	
<b>180237</b>	<b>3/14/24</b>	<b>BRAD BOREN</b>			<b>270.00</b>
		80000570 5290	RWUA	270.00	
<b>180238</b>	<b>3/14/24</b>	<b>CHILD SUPPORT SERVICES</b>			<b>488.31</b>
		11000200 2135	PAYROLL 030924	488.31	
<b>180239</b>	<b>3/14/24</b>	<b>COTTONWOOD IMPROVEMENT DISTRICT</b>			<b>60.00</b>
		75300590 5430	2.6239.01	60.00	
<b>180240</b>	<b>3/14/24</b>	<b>DAMIAN C. SMITH</b>			<b>170,000.00</b>
		11000170 6010	WATER SHARE PURCHASE	170,000.00	
<b>180241</b>	<b>3/14/24</b>	<b>DAVID D MARTIN</b>			<b>392.96</b>
		51000650 5290	GFOA	392.96	
<b>180242</b>	<b>3/14/24</b>	<b>DAVID MCLEAN</b>			<b>1,039.71</b>
		52000650 5290	AWWA	1,039.71	
<b>180243</b>	<b>3/14/24</b>	<b>DOMINION ENERGY</b>			<b>1,397.10</b>
		75500590 5420	2392820000	1,397.10	
<b>180244</b>	<b>3/14/24</b>	<b>GENEVA ROCK PRODUCTS INC</b>			<b>1,086.53</b>
		82000570 5380	CONCRETE FOR MLB RESTORATION	1,086.53	

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PAYMENT REGISTER - O&M ACCOUNT

*For the Period March 01, 2024 Through March 31, 2024*

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
<b>180245</b>	<b>3/14/24</b>	<b>NAPA GENUINE AUTO PARTS COMPANY</b>			<b>\$1,025.70</b>
		81000570 5330	BRAKE CALIPERS, BRAKE PADS, A/C PRESSI	694.59	
		81000570 5330	CREDIT	-264.60	
		81000570 5330	OIL FILTER ADAPTER, MINIATURE BULB OIL F	595.71	
<b>180246</b>	<b>3/14/24</b>	<b>PITNEY BOWES INC</b>			<b>60.86</b>
		51000650 5250	MAIL MACHINE METER FEES	60.86	
<b>180247</b>	<b>3/14/24</b>	<b>ROCKY MOUNTAIN POWER</b>			<b>5,859.29</b>
		70101590 5410	557994860012	913.67	
		75200590 5410	175509260113	15.17	
		75200590 5410	311522760504	35.86	
		75200590 5410	311522760603	142.41	
		75200590 5410	311522760652	440.72	
		75200590 5410	377120460060	15.69	
		75300590 5410	333821260010	300.84	
		75300590 5410	175509260220	204.67	
		75300590 5410	175509260337	263.08	
		75300590 5410	261824160038	349.78	
		75300590 5410	261824160053	434.33	
		75300590 5410	311522760199	545.00	
		75300590 5410	326716260012	4.77	
		75500590 5410	227856660146	974.28	
		75500590 5410	259822160018	581.09	
		75600590 5410	227856660138	406.39	
		75600590 5410	377131660021	14.59	
		75600590 5410	377220560033	41.28	
		75700590 5410	322497360014	94.89	
		75700590 5410	377220560025	80.78	
<b>180248</b>	<b>3/14/24</b>	<b>ROYCE INDUSTRIES CLEANING SYSTEMS LC</b>			<b>981.00</b>
		81000570 5330	UNLOADER VALVE, 413	981.00	
<b>180249</b>	<b>3/14/24</b>	<b>SALT LAKE CEMENT CUTTING INC</b>			<b>1,644.00</b>
		82000570 5380	ASPHALT CUTTING FOR MAINLINE BREAKS	1,044.00	
		82000570 5380	SAW CUTTING FOR MLB	600.00	
<b>180250</b>	<b>3/14/24</b>	<b>SANDY CITY</b>			<b>77.88</b>
		75300590 5430	2782501	17.96	
		75300590 5430	3540101	8.98	
		75300590 5430	3752801	26.98	
		75300590 5430	4324000	14.98	
		75300590 5430	4325100	8.98	
<b>180251</b>	<b>3/14/24</b>	<b>SHELDON SHARRARD</b>			<b>367.29</b>
		75000590 5290	RWUA	367.29	
<b>180252</b>	<b>3/14/24</b>	<b>UTAH DIVISION OF GOV.OPERATIONS</b>			<b>11,080.14</b>
		81000570 5340	FEBRUARY FLEET FUEL BILL	11,080.14	
<b>180253</b>	<b>3/14/24</b>	<b>ZAYO GROUP LLC</b>			<b>1,577.91</b>
		90000650 5230	8215 S 1300 W	1,577.91	
<b>180254</b>	<b>3/14/24</b>	<b>ZIONS BANK</b>			<b>8,551.38</b>
		51000650 5286	QUARTERLY REMARKETING AGENT FOR B1 I	8,551.38	
<b>180255</b>	<b>3/18/24</b>	<b>AFLAC PREMIUM HOLDING</b>			<b>1,029.29</b>
		11000200 2135	MARCH 2024	1,029.29	

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PAYMENT REGISTER - O&M ACCOUNT

*For the Period March 01, 2024 Through March 31, 2024*

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
180256	3/18/24	<b>ALLSTREAM</b> 70100590 5450	875114	106.48	<b>\$106.48</b>
180257	3/18/24	<b>AWWA INTERMOUNTAIN SECTION</b> 80000570 5290	YOUNG PROFESSIONALS TOUR / TRAINING	17.00	<b>17.00</b>
180258	3/18/24	<b>DOMINION ENERGY</b> 75300590 5420 75300590 5420 75300590 5420 75500590 5420	5603520000 6633520000 822520000 6367920000	613.55 87.50 113.94 82.02	<b>897.01</b>
180259	3/18/24	<b>DRAPER CITY</b> 75300590 5430	50717101	7.00	<b>7.00</b>
180260	3/18/24	<b>GSBS ARCHITECTS</b> 62000140 6010 4334	GARDEN INTERPRETATIVE PROJECT	6,941.98	<b>6,941.98</b>
180261	3/18/24	<b>HOUSE OF PUMPS</b> 82101570 5380	SUMP PUMP FOR JA2 FLOW CONTROL STRU	460.00	<b>460.00</b>
180262	3/18/24	<b>IDENTIFIX</b> 90000650 5230	12 MO. VEHICLE MAINTENANCE & REPAIR WI	1,428.00	<b>1,428.00</b>
180263	3/18/24	<b>LEHI CITY CORPORATION</b> 70101590 5410 70101590 5410	20.1015.8.0 40.0000.5.1	35.54 35.01	<b>70.55</b>
180264	3/18/24	<b>MT OLYMPUS IMPROVEMENT DISTRICT</b> 75501590 5430	18.1585.00	150.00	<b>150.00</b>
180265	3/18/24	<b>POSTMASTER</b> 60000650 5250	ANNUAL FEE FOR PERMIT#54 PI STANDARD I	320.00	<b>320.00</b>
180266	3/18/24	<b>ROCKY MOUNTAIN POWER</b> 75200590 5410 75200590 5410 75200590 5410 75300590 5410 75300590 5410 75300590 5410 75500590 5410 75500590 5410 75500590 5410 75500590 5410 75600590 5410 75600590 5410 75600590 5410 75600590 5410 75600590 5410 75600590 5410 75700590 5410	175509260014 175509260253 261824160012 175509260105 175509260162 913799040013 175509260238 175509260360 235992060014 266289460013 311522760181 311522760462 377131660047 227856660013 311522760157 311522760611	13.89 40.16 2,090.67 127.52 43.01 252.34 587.84 6,021.44 781.54 24,902.29 13.48 39.16 14.85 29.42 36.44 29.23	<b>35,023.28</b>
180267	3/18/24	<b>SOUTH JORDAN CITY</b> 75300590 5430	9725809969	30.00	<b>30.00</b>

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PAYMENT REGISTER - O&M ACCOUNT

*For the Period March 01, 2024 Through March 31, 2024*

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
<b>180268</b>	<b>3/18/24</b>	<b>SOUTH VALLEY SEWER DISTRICT</b>			<b>\$625.16</b>
		71000590 5430	120437.01	263.61	
		72000590 5430	107206.01	33.00	
		72000590 5430	125891.01	64.55	
		75300590 5430	125892.01	33.00	
		75300590 5430	148342.01	33.00	
		75501590 5430	101043.01	33.00	
		75501590 5430	150627.01	33.00	
		75501590 5430	150716.01	33.00	
		75501590 5430	150822.01	33.00	
		75501590 5430	150935.01	33.00	
		75501590 5430	169312.01	33.00	
<b>180269</b>	<b>3/18/24</b>	<b>THERMAL WEST INDUSTRIAL LLC</b>			<b>6,360.97</b>
		11000182 6010 4279	JVWTP BOILERS SUPPLY PROJECT	6,360.97	
<b>180270</b>	<b>3/18/24</b>	<b>THOMAS CHRISTENSEN</b>			<b>741.61</b>
		80082570 5110	REPLACE MISSING PAYROLL CHECK	741.61	
<b>180271</b>	<b>3/18/24</b>	<b>UN-X-LD PIPE &amp; SUPPLY INC</b>			<b>150.00</b>
		82000570 5380	2-3" THREAD-O-LETS FOR 113772 S 5600 W S	150.00	
<b>180272</b>	<b>3/18/24</b>	<b>UTAH BUREAU OF CRIMINAL IDENTIFICATION</b>			<b>133.00</b>
		51000650 5170	EMPLOYEE BACKGROUND CHECK	133.00	
<b>180273</b>	<b>3/18/24</b>	<b>WEST VALLEY CITY</b>			<b>186.00</b>
		75300590 5430	6046	186.00	
<b>180274</b>	<b>3/18/24</b>	<b>ZIONS BANK</b>			<b>3,500.00</b>
		51000650 5286	2009C BOND ANNUAL TRUSTEE FEE	1,500.00	
		51000650 5286	2019A BOND ANNUAL TRUSTEE FEE	2,000.00	
<b>180275</b>	<b>3/27/24</b>	<b>ALLSTREAM</b>			<b>2,089.64</b>
		71000590 5450	875118	1,982.50	
		72000590 5450	875123	107.14	
<b>180276</b>	<b>3/27/24</b>	<b>BOLT &amp; NUT SUPPLY COMPANY</b>			<b>22.28</b>
		82000570 5380	7/16 NUTS AND BOLTS FOR HYDRANTS	22.28	
<b>180277</b>	<b>3/27/24</b>	<b>CHILD SUPPORT SERVICES</b>			<b>488.31</b>
		11000200 2135	PAYROLL 032324	488.31	
<b>180278</b>	<b>3/27/24</b>	<b>CRS CONSULTING ENGINEERS INC</b>			<b>905.46</b>
		11000180 6010 4213	SWGWTP DEEP WELL ASSESSMENT	905.46	
<b>180279</b>	<b>3/27/24</b>	<b>CRUS OIL INC</b>			<b>2,065.85</b>
		81000570 5320	OIL AND ANTIFREEZE, VEHICLES AND EQUIP	2,065.85	
<b>180280</b>	<b>3/27/24</b>	<b>DARWIN KENT DAVIS</b>			<b>130,000.00</b>
		11000170 6010	WATER SHARE PURCHASE	130,000.00	

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PAYMENT REGISTER - O&M ACCOUNT

**For the Period March 01, 2024 Through March 31, 2024**

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
<b>180281</b>	<b>3/27/24</b>	<b>DOMINION ENERGY</b>			<b>\$6,602.18</b>
		72000590 5420	4916650000	1,900.38	
		72000590 5420	5342420000	2,895.63	
		75300590 5420	3368320000	352.58	
		75300590 5420	3419320000	146.11	
		75300590 5420	4013211000	432.14	
		75300590 5420	5443420000	176.71	
		75300590 5420	5635520000	97.07	
		75300590 5420	8471520000	223.68	
		75300590 5420	8596420000	108.71	
		75300590 5420	9045420000	64.61	
		75500590 5420	494150000	204.56	
<b>180282</b>	<b>3/27/24</b>	<b>FISHER SCIENTIFIC</b>			<b>234.15</b>
		78000590 5720	MISCELLANEOUS TEST SUPPLIES	234.15	
<b>180283</b>	<b>3/27/24</b>	<b>GENEVA ROCK PRODUCTS INC</b>			<b>298.80</b>
		82000570 5380	ROADBASE-3/4" APWA SPEC	298.80	
<b>180284</b>	<b>3/27/24</b>	<b>INTERMOUNTAIN FUSE SUPPLY INC</b>			<b>8.52</b>
		81000570 5380	CIRCUIT BREAKER FOR WELDER	8.52	
<b>180285</b>	<b>3/27/24</b>	<b>JENKINS PLUMBING COMPANY</b>			<b>325.20</b>
		77072590 5770	BACKFLOW TESTING AND REPAIR	325.20	
<b>180286</b>	<b>3/27/24</b>	<b>JONES PAINT &amp; GLASS INC</b>			<b>2,483.38</b>
		83000570 5350	PAINT FOR FLOORS AT WILLOW CREEK WEL	2,483.38	
<b>180287</b>	<b>3/27/24</b>	<b>LEGAL SHIELD</b>			<b>1,585.95</b>
		11000200 2135	MARCH 2024	1,585.95	
<b>180288</b>	<b>3/27/24</b>	<b>MORRIS ELECTRIC INC</b>			<b>5,894.00</b>
		11000184 6010 4220	GENERATOR PROJECT PHASE II	5,894.00	
<b>180289</b>	<b>3/27/24</b>	<b>MT OLYMPUS IMPROVEMENT DISTRICT</b>			<b>150.00</b>
		75501590 5430	2981 branch	150.00	
<b>180290</b>	<b>3/27/24</b>	<b>NAPA GENUINE AUTO PARTS COMPANY</b>			<b>4,200.65</b>
		51000000 6210	REPAIR PARTS FOR 03-12-2024 TRAILER INC	145.55	
		81000570 5330	ULTRA DF CONVERTER,OXYGEN SENSORS	1,743.22	
		81000570 5330	3-BATTERY FOR 413,OIL FILTERS FOR 410	662.43	
		81000570 5330	BATTERY,SERPENTINE BELT, WATER PUMP,	408.24	
		81000570 5330	BRAKES, CALIPER 707, IGN. CYLINDER LOCK	534.19	
		81000570 5330	TIE ROD ENDS, STEERING STABILIZER FOR	707.02	
<b>180291</b>	<b>3/27/24</b>	<b>PBC FLEET LITES &amp; PARTS</b>			<b>1,797.24</b>
		81000570 5330	DROPLEG JACK FOR TRAILER 1016, ELECTR	1,032.20	
		81000570 5330	ELECTRIC BRAKES FOR TRAILER 1004	765.04	
<b>180292</b>	<b>3/27/24</b>	<b>POWER ENGINEERING COMPANY INC</b>			<b>731.50</b>
		81072570 5380	GLYCOL FOR BOILER SERWTP	731.50	

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PAYMENT REGISTER - O&M ACCOUNT

**For the Period March 01, 2024 Through March 31, 2024**

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
<b>180293</b>	<b>3/27/24</b>	<b>ROCKY MOUNTAIN POWER</b>			<b>\$31,464.69</b>
		52000570 5400	311522760124	11.47	
		52000570 5400	311522760132	11.11	
		71000590 5410	175509260287	20,751.87	
		72211590 5410	321644760019	48.47	
		72211590 5410	913799040088	17.32	
		75200590 5410	227856660021	3.81	
		75200590 5410	329228560010	72.91	
		75300590 5410	175509260220	590.97	
		75300590 5410	175509260386	88.86	
		75300590 5410	261824160038	673.05	
		75500590 5410	227856660120	7,679.16	
		75500590 5410	259822160018	1,051.81	
		75500590 5410	175509260030	231.15	
		75500590 5410	175509260295	96.03	
		75600590 5410	227856660039	38.33	
		75600590 5410	311522760033	24.45	
		75600590 5410	377220560033	73.92	
<b>180294</b>	<b>3/27/24</b>	<b>S &amp; K MACHINE INC</b>			<b>120.00</b>
		82101570 5380	BRONZE NUT REPAIR FOR SLEEVE VALVE JA	120.00	
<b>180295</b>	<b>3/27/24</b>	<b>SANDY CITY</b>			<b>8.98</b>
		52000570 5400	329202	8.98	
<b>180296</b>	<b>3/27/24</b>	<b>SELECTHEALTH</b>			<b>257,977.70</b>
		11000200 2135	PAYROLL	257,977.70	
<b>180297</b>	<b>3/27/24</b>	<b>STANDARD PLUMBING SUPPLY/SPRINKLER WORLD</b>			<b>159.40</b>
		81073570 5380	FITTINGS FOR AIR VALVE REPAIR SWGWTP	81.24	
		83000570 5350	PARTS TO INSTALL HOSE BIBS AT 1590 AND I	78.16	
<b>180298</b>	<b>3/27/24</b>	<b>TERRACON CONSULTANTS INC</b>			<b>10,381.50</b>
		11000186 6010 4231	5200 W 6200 S FINISHED WATER RESERVOIF	10,381.50	
<b>180299</b>	<b>3/27/24</b>	<b>TYLER TECHNOLOGIES INC</b>			<b>800.00</b>
		51000650 5290	FEE TO CONVERT FROM SEMI-MONTHLY TO	800.00	
<b>180300</b>	<b>3/27/24</b>	<b>UPHOLSTERY WEST INC</b>			<b>250.00</b>
		81000570 5330	SEAT REPAIR ON 410	250.00	
<b>180301</b>	<b>3/27/24</b>	<b>US BANK FINANCIAL</b>			<b>32,970.52</b>
		11000200 2132	PCARDS 022724-032524	32,970.52	
<b>180302</b>	<b>3/27/24</b>	<b>UTAH DIVISION OF WATER RIGHTS (STATE ENGINEER)</b>			<b>8,820.81</b>
		70000510 5820	2024 WATER DIST ASSESS ACCT NO: 102401	634.30	
		70000510 5820	2024 WATER DIST ASSESS ACCT NO: 103338	2,964.77	
		70000510 5820	2024 WATER DIST ASSESS ACCT NO: 103694	912.21	
		70000510 5820	2024 WATER DIST ASSESS ACCT NO: 103884	2,380.72	
		70000510 5820	2024 WATER DIST ASSESS ACCT NO: 104013	1,928.81	
<b>180303</b>	<b>3/27/24</b>	<b>UTAH STATE TAX COMMISSION</b>			<b>63,210.41</b>
		11000200 2240	PAYROLL 032324	63,210.41	
<b>180304</b>	<b>3/27/24</b>	<b>WATER SPECIALTIES INC</b>			<b>327.00</b>
		60000650 5270	480 12 OZ WATER LABELLED BOTTLES	327.00	
<b>180305</b>	<b>3/27/24</b>	<b>ZIONS BANK</b>			<b>40,777.51</b>
		51000650 5286	QUARTERLY SBPA FEE FOR B1 BONDS	40,777.51	

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PAYMENT REGISTER - O&M ACCOUNT

For the Period March 01, 2024 Through March 31, 2024

<b>PAYMENT NO.</b>	<b>PAYMENT DATE</b>	<b>VENDOR NAME</b>	<b>ACCOUNT#</b>	<b>DESCRIPTION</b>	<b>INVOICE AMOUNT</b>	<b>PAYMENT AMOUNT</b>
<b>180306</b>	<b>3/29/24</b>	<b>ALPHA COMMUNICATIONS SITES INC</b>				<b>\$191.45</b>
		91000570 5530		SITE LEASE	191.45	
<b>180307</b>	<b>3/29/24</b>	<b>CHRISTENSEN &amp; JENSEN PC</b>				<b>1,035.00</b>
		51000650 5284		GENERAL ADJUDICATION	1,035.00	
<b>180308</b>	<b>3/29/24</b>	<b>NATIONAL BENEFIT SERVICES HRA</b>				<b>423.80</b>
		11000200 2135		ADMIN FEES	423.80	
<b>180309</b>	<b>3/29/24</b>	<b>POSTMASTER</b>				<b>4,100.00</b>
		60000650 5250		RETAIL BILLING POSTAGE	4,100.00	
<b>180310</b>	<b>3/29/24</b>	<b>RAY QUINNEY &amp; NEBEKER</b>				<b>4,153.00</b>
		51000650 5284		LOCALSCAPES LOGO	2,497.00	
		51000650 5284		SETTLEMENT REVISION	1,656.00	
<b>180311</b>	<b>3/29/24</b>	<b>REPUBLIC SERVICES INC</b>				<b>5,478.26</b>
		51000650 5350		ADMIN/MAINT	157.18	
		62000570 5350		EDUCATION	3,595.04	
		71071570 5350		JVWTP	440.02	
		72072570 5350		SERWTP	295.30	
		73073570 5350		SWGWTP	407.89	
		83000570 5350		ADMIN/MAINT	258.90	
		83000570 5350		MAINT	323.93	

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PAYMENT REGISTER - O&M ACCOUNT

*For the Period March 01, 2024 Through March 31, 2024*

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
<b>180312</b>	<b>3/29/24</b>	<b>ROCKY MOUNTAIN POWER</b>			<b>\$69,863.56</b>
		72000590 5410	175509260188	4,524.16	
		73000590 5410	377120460037	30,146.43	
		75200590 5410	311522760223	878.00	
		75200590 5410	311522760512	2,508.46	
		75200590 5410	311522760538	718.18	
		75200590 5410	311522760546	9,071.96	
		75200590 5410	311522760561	5,126.68	
		75200590 5410	311522760579	4,003.51	
		75200590 5410	325517860012	11.11	
		75300590 5410	377120460045	110.19	
		75300590 5410	911749030019	205.79	
		75300590 5410	913799040047	416.81	
		75300590 5410	326593760019	213.50	
		75300590 5410	333107260015	10.86	
		75300590 5410	333110060014	58.60	
		75300590 5410	333110760050	41.88	
		75300590 5410	333819860011	60.52	
		75300590 5410	376190160014	190.38	
		75300590 5410	175509260170	47.48	
		75300590 5410	175509260329	197.10	
		75300590 5410	311522760017	164.98	
		75300590 5410	311522760074	723.92	
		75300590 5410	311522760199	1,207.98	
		75300590 5410	311522760215	343.40	
		75300590 5410	175509260048	132.54	
		75300590 5410	175509260055	61.78	
		75300590 5410	175509260139	15.83	
		75500590 5410	175509260196	7,833.52	
		75500590 5410	913799040021	391.41	
		75600590 5410	311522760454	31.46	
		75600590 5410	311522760470	29.61	
		75600590 5410	311522760629	15.45	
		75600590 5410	377120460078	20.05	
		75600590 5410	377120460094	18.68	
		75600590 5410	377120460102	24.77	
		75600590 5410	175509260394	27.61	
		75600590 5410	217351760012	18.20	
		75600590 5410	311522760025	14.46	
		75600590 5410	311522760041	15.45	
		75600590 5410	311522760165	21.54	
		75600590 5410	311522760173	13.35	
		75600590 5410	175509260352	51.28	
		75700590 5410	175509260261	21.05	
		75700590 5410	253216260013	82.86	
		75700590 5410	364292260015	40.78	
<b>180313</b>	<b>3/29/24</b>	<b>SANDY CITY</b>			<b>1,429.73</b>
		72000590 5440	11574 WYNDCASTLE	1,429.73	
<b>180314</b>	<b>3/29/24</b>	<b>UTAH COMMUNICATIONS INC</b>			<b>40.00</b>
		91000570 5530	MAINTENANCE CONTRACT - MARCH	40.00	

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PAYMENT REGISTER - O&M ACCOUNT

*For the Period March 01, 2024 Through March 31, 2024*

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
<b>180315</b>	<b>3/29/24</b>	<b>VERIZON WIRELESS</b>			<b>\$3,122.49</b>
		90000650 5230	VERIZON AMI BILL	50.10	
		90000650 5230	VERIZON WIRELESS IPAD BILL	136.98	
		90000650 5230	VERIZON WIRELESS PHONE & DATA ACCESS	2,050.13	
		90071650 5230	VERIZON AMI BILL	25.00	
		90071650 5230	VERIZON WIRELESS PHONE & DATA ACCESS	65.50	
		90072650 5230	VERIZON AMI BILL	25.00	
		90072650 5230	VERIZON WIRELESS PHONE & DATA ACCESS	25.49	
		90077650 5230	VERIZON WIRELESS PHONE & DATA ACCESS	127.77	
		90101650 5230	VERIZON AMI BILL	25.00	
		90101650 5230	VERIZON WIRELESS PHONE & DATA ACCESS	591.52	
<b>505582 EFT</b>	<b>3/8/24</b>	<b>BARRETT BUSINESS SERVICES, INC</b>			<b>2,120.44</b>
		52000650 5280	TEMP EMPLOYEE TIME	2,120.44	
<b>505583 EFT</b>	<b>3/8/24</b>	<b>BOWEN COLLINS &amp; ASSOCIATES</b>			<b>125,896.21</b>
		11000140 6010 4150	JA-1 AND SECL CONDITION ASSESS	1,692.85	
		11000175 6010 4257	JA-1 AND SECL CONDITION ASSESS	10,363.90	
		11000180 6010 4242	WELL DEVELOPMENT & TEST PUMPIN	7,437.75	
		11000180 6010 4310	13&64 WELL REPAIR	3,182.75	
		11000182 6010 4325	SWGTP FINISHED WATER RESERVOIR REF	3,135.50	
		11000184 6010 4321	SWA REACH 2 - 13400 S TO 11800 S	99,536.96	
		52000570 5400	ENCROACHMENT REVIEW ASSISTANCE	546.50	
<b>505584 EFT</b>	<b>3/8/24</b>	<b>CDW GOVERNMENT INC</b>			<b>1,027.46</b>
		90000650 5230	DELL LAPTOP USB-C CAR CHARGERS	198.20	
		90000650 5230	VEEAM BACKUP SOFTWARE SUBSCRIPTION	829.26	
<b>505585 EFT</b>	<b>3/8/24</b>	<b>CHEMTECH-FORD INC</b>			<b>2,096.00</b>
		77073590 5770	WATER QUALITY ANALYSIS	2,096.00	
<b>505586 EFT</b>	<b>3/8/24</b>	<b>CODALE ELECTRIC SUPPLY INC</b>			<b>102.40</b>
		82000570 5380	UNISTRUT AND CONDUIT STRAPS FOR AIRV/	102.40	
<b>505587 EFT</b>	<b>3/8/24</b>	<b>CORE &amp; MAIN</b>			<b>775.80</b>
		82000570 5380	3) 20' STICKS OF 6" C900 PVC	775.80	
<b>505588 EFT</b>	<b>3/8/24</b>	<b>DAVID EVANS &amp; ASSOCIATES (DEA)</b>			<b>1,869.28</b>
		11000184 6010 4322	32&62 SUCTION VAULT IMPROVEMENTS	1,869.28	
<b>505589 EFT</b>	<b>3/8/24</b>	<b>ELECSYS INTERNATIONAL CORPORATION</b>			<b>320.00</b>
		90000650 5230	ELECSYS CATHODIC PROTECTION MONTHLY	70.00	
		90101650 5230	ELECSYS CATHODIC PROTECTION MONTHLY	250.00	
<b>505590 EFT</b>	<b>3/8/24</b>	<b>ENERGY MANAGEMENT CORPORATION</b>			<b>2,345.00</b>
		83000570 5380	TERMINAL P3 MOTOR CONTROL RELAY INSP	2,345.00	
<b>505591 EFT</b>	<b>3/8/24</b>	<b>FASTENAL COMPANY</b>			<b>483.84</b>
		81000570 5330	FIRST AID KITS FOR NEW VEHICLES	483.84	
<b>505592 EFT</b>	<b>3/8/24</b>	<b>HANSEN ALLEN &amp; LUCE INC</b>			<b>17,007.68</b>
		11000180 6010 4280	EQUIPPING OF 76&7 AND 78&10 WE	16,907.18	
		52000650 5280	HYDRAULIC MODELING SERVICES	100.50	
<b>505593 EFT</b>	<b>3/8/24</b>	<b>KILGORE COMPANIES, LLC</b>			<b>104.00</b>
		82000570 5380	IMPORTED DIRTY FILL 10.4 TONS	104.00	
<b>505594 EFT</b>	<b>3/8/24</b>	<b>LGG INDUSTRIAL</b>			<b>28.40</b>
		75000570 5380	STAINLESS HOSE CLAMPS	28.40	

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PAYMENT REGISTER - O&M ACCOUNT

*For the Period March 01, 2024 Through March 31, 2024*

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
505595	EFT 3/8/24	<b>MADELINE SUELTZ</b> 62000570 5170	UNIFORM REIMBURSEMENT	69.71	<b>\$69.71</b>
505596	EFT 3/8/24	<b>MCKELLE ANDERSON</b> 62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	1,386.76	<b>1,386.76</b>
505597	EFT 3/8/24	<b>MOUNTAINLAND SUPPLY COMPANY</b> 11000188 6010 4323	2024 DISTRIBUTION PIPELINE REPLACEMENT	22,453.31	<b>22,453.31</b>
505598	EFT 3/8/24	<b>NICKERSON COMPANY INC</b> 11000180 6010 4213	SWGWP DEEP WELL ANALYSIS	80,371.25	<b>131,327.25</b>
		83000570 5380	ADDITIONAL PARTS AND LABOR FOR TERMINAL P3	7,946.00	
		83000570 5380	MOTOR REHABILITATION TERMINAL P3	43,010.00	
505599	EFT 3/8/24	<b>OLYMPUS SAFETY &amp; SUPPLY LLC</b> 75000590 5260	HARD HATS, AND RESPIRATORS	372.00	<b>372.00</b>
505600	EFT 3/8/24	<b>RICE LAKE WEIGHING SYSTEMS</b> 78000590 5720	THERMOMETER AND WEIGHTS CALIBRATION	786.66	<b>786.66</b>
505601	EFT 3/8/24	<b>ROCKY MOUNTAIN VALVES &amp; AUTOMATION</b> 82101570 5380	PACKING GLANDS & 2-BRASS NUTS FOR SLE	414.29	<b>414.29</b>
505602	EFT 3/8/24	<b>SPRINKLER SUPPLY COMPANY</b> 82000570 5380	PVC FITTINGS FOR AIRVAC PARTS	275.05	<b>275.05</b>
505603	EFT 3/8/24	<b>STATE FIRE</b> 83000570 5360	FIRE ALARM INSPECTIONS - MAIN CAMPUS A	1,755.00	<b>5,910.00</b>
		83000570 5360	FIRE SUPPRESSION INSPECTION MAIN CAMPUS A	1,040.00	
		83000570 5360	TERMINAL FIRE SUPPRESSION INSPECTION	380.00	
		83071570 5360	JVWTP FIRE ALARM INSPECTIONS	645.00	
		83071570 5360	JVWTP FIRE SUPPRESSION INSPECTION	795.00	
		83072570 5360	SERWTP FIRE ALARM INSPECTION	345.00	
		83072570 5360	SERWTP FIRE SUPPRESSION INSPECTION	380.00	
		83073570 5360	FIRE ALARM INSPECTIONS - MAIN CAMPUS A	175.00	
		83073570 5360	FIRE SUPPRESSION INSPECTION MAIN CAMPUS A	395.00	
505604	EFT 3/8/24	<b>THE BAKER GROUP, INC</b> 62000570 5270	FULL PAGE UWS & LANDSCAPE INCENTIVE A	2,300.00	<b>2,300.00</b>
505605	EFT 3/8/24	<b>VANGUARD CLEANING SYSTEMS OF UTAH</b> 83000570 5360	JANITORIAL SERVICES	4,813.42	<b>7,389.45</b>
		83071570 5360	JANITORIAL SERVICES	1,562.38	
		83072570 5360	JANITORIAL SERVICES	600.90	
		83073570 5360	JANITORIAL SERVICES	412.75	
505606	EFT 3/8/24	<b>WW GRAINGER</b> 51000650 5260	FALL PROTECTION REQUIRED SIGNS	112.30	<b>899.15</b>
		51000650 5260	RESPIRATOR FIT TEST SUPPLIES	293.03	
		81000570 5380	MOTOR FOR VEHICLE STORAGE HEATER	244.67	
		82000570 5310	ALUMINUM ASPHALT RAKES	249.15	
505607	EFT 3/15/24	<b>ACTION LOCKSMITH</b> 81000570 5360	PADLOCKS FOR GATES HATCHES ETC.	428.45	<b>428.45</b>
505608	EFT 3/15/24	<b>ADVANCED ENGINEERING &amp; ENVIRONMENTAL SERVICES</b> 11000184 6010 4199	3600 WEST 10200 SOUTH PUMP STATION	7,764.25	<b>7,764.25</b>
505609	EFT 3/15/24	<b>BATEMAN MOBIL 1 LUBE EXPRESS</b> 81000570 5360	SERVICE ON 735	94.95	<b>94.95</b>

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PAYMENT REGISTER - O&M ACCOUNT

*For the Period March 01, 2024 Through March 31, 2024*

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
505610	EFT 3/15/24	<b>BARRETT BUSINESS SERVICES, INC</b> 52000650 5280	TEMP EMPLOYEE TIME	1,578.00	<b>\$1,578.00</b>
505611	EFT 3/15/24	<b>BIZWEAR</b> 51000650 5170	SHIRTS FOR NEW EMPLOYEE WELCOME PAI	1,310.00	<b>1,310.00</b>
505612	EFT 3/15/24	<b>CHAMBERWEST</b> 51000650 5170	SPONSORSHIP - WOMEN IN BUSINESS SPRII	500.00	<b>500.00</b>
505613	EFT 3/15/24	<b>CHEMTECH-FORD INC</b> 77000590 5770 77071590 5770 77073590 5770 77075590 5770	WATER QUALITY ANALYSIS WATER QUALITY ANALYSIS WATER QUALITY ANALYSIS WATER QUALITY ANALYSIS	149.99 503.00 1,776.02 149.99	<b>2,579.00</b>
505614	EFT 3/15/24	<b>CODALE ELECTRIC SUPPLY INC</b> 81073570 5380	CONTACTS AND FUSES FOR SWGWTP HVAC	160.87	<b>160.87</b>
505615	3/15/24	<b>DURA CRETE INC</b>			<b>VOID</b>
505616	EFT 3/15/24	<b>ENVIRONMENTAL RESOURCE ASSOCIATES</b> 78000590 5720	WS & WP PT STUDIES FOR AUG 2023	1,789.24	<b>1,789.24</b>
505617	EFT 3/15/24	<b>FERGUSON ENTERPRISES LLC</b> 75001570 5380 75001570 5380 82000570 5380 82000570 5380 82000570 5380 82101570 5380	BOLT PACK GASKETS AND BOLT PACKS 10" AND 12" BRASS SADDLE FOR CRITICAL P 12" AC REPAIR CLAMPS WITH 2" OUTLET FOI 6" REPAIR CLAMPS 12" GATE VALVES FOR THE AQUEDUCT CRITI	288.20 433.00 1,860.35 1,161.52 3,436.50 9,050.32	<b>16,229.89</b>
505618	EFT 3/15/24	<b>FOLIAGE, INC</b> 51000650 5350	PLANT SERVICES	420.00	<b>420.00</b>
505619	EFT 3/15/24	<b>GEOSYNTEC</b> 11000186 6010 4271	8-MG & 2-MG STEEL RESERVOIRS PAINT ANI	6,882.76	<b>6,882.76</b>
505620	EFT 3/15/24	<b>HACH COMPANY</b> 91000570 5310 91071570 5310 91073570 5310	PH 4,7 & 10 STANDARD SOLUTION CL2 SENSOR, MEMBRANE KIT, CL2 O-RING K CL2 SENSOR, MEMBRANE KIT, CL2 O-RING K	274.56 4,804.02 2,402.01	<b>7,480.59</b>
505621	EFT 3/15/24	<b>HANSEN ALLEN &amp; LUCE INC</b> 11000180 6010 4281	COLLEGE ST. WELL REPAIRS	2,086.10	<b>2,086.10</b>
505622	EFT 3/15/24	<b>HARRINGTON INDUSTRIAL PLASTICS LLC</b> 75000570 5380 81000570 5380 81072570 5380 81073570 5380	PVC PART FOR TERMINAL CL2 PROJECT FITTINGS AND VALVES FOR CHEMICAL FEEL FITTINGS AND VALVES FOR CHEMICAL FEEL FITTINGS AND VALVES FOR CHEMICAL FEEL	124.20 37.81 981.77 191.42	<b>1,335.20</b>
505623	EFT 3/15/24	<b>HEATH ENGINEERING COMPANY</b> 11000160 6010 4287 11000182 6010 4279	SWG WTP & EDUCATION BLDG HVAC I JVWTP HIGH-RISE BOILERS REPLACEMENT	26,000.00 5,000.00	<b>31,000.00</b>
505624	EFT 3/15/24	<b>JACOBS ENGINEERING GROUP INC</b> 77073590 5770	GSL BIRD SURVEY	12,353.54	<b>12,353.54</b>

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PAYMENT REGISTER - O&M ACCOUNT

*For the Period March 01, 2024 Through March 31, 2024*

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505625	EFT 3/15/24	<b>KILGORE COMPANIES, LLC</b> 82000570 5380	3/8 NDES 50 APWA	212.10	<b>\$212.10</b>
505626	EFT 3/15/24	<b>LGG INDUSTRIAL</b> 82000570 5310	6" DEWATERING HOSE REPAIR	77.78	<b>77.78</b>
505627	EFT 3/15/24	<b>MARCUS G FAUST PC</b> 51000650 5284	PROFESSIONAL CONSULTING SERVICES	3,000.00	<b>3,000.00</b>
505628	EFT 3/15/24	<b>MICRO MOTION INC</b> 75001570 5380	ROSEMOUNT MAG METER TRANSMITTERS	8,470.56	<b>8,470.56</b>
505629	EFT 3/15/24	<b>MOUNTAINLAND SUPPLY COMPANY</b> 82000570 5380 75002570 5380 81000570 5380	4) 3" BRASS BALL VALVES 1) 3" BRASS CLOSI SENSUS HANDHELD-JUNIPER ARCHER 3 RE/ CHECK VALVE AND 6 INCH COUPLER HEATE	1,331.06 6,261.67 241.70	<b>7,834.43</b>
505630	EFT 3/15/24	<b>MOWER MEDIC</b> 81000570 5330	REPLACEMENT MOTOR FOR VALVE MACHINI	3,051.78	<b>3,051.78</b>
505631	EFT 3/15/24	<b>OLYMPUS SAFETY &amp; SUPPLY LLC</b> 80000570 5260	29- 36" TRAFFIC CONE'S	865.50	<b>865.50</b>
505632	EFT 3/15/24	<b>PILOT THOMAS LOGISTICS</b> 75000570 5360	DIESEL FUEL FOR PORTABLE GENERATORS	5,625.73	<b>5,625.73</b>
505633	EFT 3/15/24	<b>PLATT ELECTRIC SUPPLY INC</b> 81000570 5310	MULTIMETER FOR SERVICE TRUCK #744	424.98	<b>424.98</b>
505634	EFT 3/15/24	<b>ROCKY MOUNTAIN VALVES &amp; AUTOMATION</b> 82000570 5380	2) 3" AVTEK AIRVACS MODEL FOR INVENTOR	2,313.80	<b>2,313.80</b>
505635	EFT 3/15/24	<b>ROLFE EXCAVATING AND CONSTRUCTION</b> 11000188 6010 4270	2023 DISTRIBUTION PIPELINE REP	143,403.22	<b>143,403.22</b>
505636	EFT 3/15/24	<b>SHERWIN-WILLIAMS COMPANY</b> 81000570 5380	PAINT FOR WILLOW CREEK WELL	273.83	<b>273.83</b>
505637	EFT 3/15/24	<b>TINTOMETER INC</b> 91000570 5310	TURBIDITY METER & CALIBRATION SOLUTIOI	9,529.74	<b>9,529.74</b>
505638	EFT 3/15/24	<b>TIRE WORLD</b> 81000570 5330	REAR TIRE REPLACEMENT ON 744	1,727.48	<b>1,727.48</b>
505639	EFT 3/15/24	<b>TRANS-JORDAN CITIES</b> 83000570 5350	MIXED WASTE	16.00	<b>16.00</b>
505640	EFT 3/15/24	<b>UINTAH FASTENER &amp; SUPPLY LLC</b> 82000570 5380 82101570 5380	10) 3/4"X 2 3/4" STAINLESS BOLTS 1 1/2" X 7 1/2" GRADE 8 BOLT FOR REACH 3 M	38.00 25.00	<b>63.00</b>
505641	EFT 3/15/24	<b>UTAH BARRICADE COMPANY INC</b> 82000570 5380	BARRICADES FOR TRAFFIC CONTROL	862.05	<b>862.05</b>
505642	EFT 3/15/24	<b>WINMARK STAMP &amp; SIGN INC</b> 83000570 5350	NAME PLATES FOR MATT ROBERTS,CALIN PI	77.90	<b>77.90</b>
505643	EFT 3/15/24	<b>WNA SERVICES CO.</b> 51000650 5170	UTAH NEWS TRACKER READING CHARGE	150.00	<b>150.00</b>

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PAYMENT REGISTER - O&M ACCOUNT

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<b>505644</b>	<b>EFT 3/15/24</b>	<b>WW GRAINGER</b>			<b>\$918.05</b>
		82000570 5360	FOOD GRADE GREASE,FIRE HYDRANT MAIN	307.20	
		51000650 5260	FIRST AID KIT SUPPLIES	325.10	
		81000570 5380	PILOT AND FAN MOTOR FOR HEATER VEHICL	285.75	
<b>505645</b>	<b>EFT 3/22/24</b>	<b>ACCUSTANDARD INC</b>			<b>444.94</b>
		78000590 5720	LAB STANDARDS	444.94	
<b>505646</b>	<b>EFT 3/22/24</b>	<b>AMERICAN POWER SYSTEMS</b>			<b>1,200.00</b>
		90073650 5230	UPS BATTERY TESTING - DISTRICT BUILDING	1,200.00	
<b>505647</b>	<b>EFT 3/22/24</b>	<b>BARRETT BUSINESS SERVICES, INC</b>			<b>2,169.75</b>
		52000650 5280	TEMP EMPLOYEE TIME	2,169.75	
<b>505648</b>	<b>EFT 3/22/24</b>	<b>BLUE STAKES OF UTAH</b>			<b>2,125.80</b>
		82000570 5390	BLUESTAKES OF UTAH	2,125.80	
<b>505649</b>	<b>EFT 3/22/24</b>	<b>CARENOW</b>			<b>345.00</b>
		51000650 5170	NEW HIRE & RANDOM DRUG TESTING	345.00	
<b>505650</b>	<b>3/22/24</b>	<b>CLIFF JOHNSON EXCAVATING</b>			<b>VOID</b>
<b>505651</b>	<b>EFT 3/22/24</b>	<b>COMMERCIAL LIGHTING SUPPLY INC</b>			<b>4,980.94</b>
		73073570 5360	LED LIGHT REPLACEMENT FOR PROCESS AF	4,980.94	
<b>505652</b>	<b>EFT 3/22/24</b>	<b>CORE &amp; MAIN</b>			<b>4,109.30</b>
		82000570 5380	10 5 1/4 CLOW FIRE HYDRANT 1) 6" C900 MEC	3,888.18	
		82000570 5380	2) 12" STAINLESS FL BOLT PACKS 2) 2"X6" BR	221.12	
<b>505653</b>	<b>EFT 3/22/24</b>	<b>DAVID MCLEAN</b>			<b>18.60</b>
		52000650 5290	MILEAGE TO SLC AIRPORT	18.60	
<b>505654</b>	<b>EFT 3/22/24</b>	<b>ENDRESS + HAUSER INC</b>			<b>19,514.82</b>
		75001570 5380	10 INCH MAG METER	5,081.34	
		75001570 5380	12 INCH MAG METER	5,897.85	
		75001570 5380	16 INCH ENDRESS HAUSER MAG METER	8,535.63	
<b>505655</b>	<b>EFT 3/22/24</b>	<b>HANSEN ALLEN &amp; LUCE INC</b>			<b>15,648.50</b>
		11000184 6010 4320	2023-2024 VAULT IMPROVEMENTS PROJECT	14,758.50	
		11000188 6010 4204	ZONE D CHEMICAL FEED FACILITY	890.00	
<b>505656</b>	<b>EFT 3/22/24</b>	<b>HARRINGTON INDUSTRIAL PLASTICS LLC</b>			<b>668.58</b>
		75000570 5380	MISC. PARTS FOR TERMINAL CL2 PROJECT	608.94	
		75000570 5380	PVC TEE'S, UNI STRUT CLAMPS	59.64	
<b>505657</b>	<b>EFT 3/22/24</b>	<b>HOUSTON PAINTING COMPANY</b>			<b>15,925.00</b>
		83000570 5380	WATER DAMAGE REPAIRS 10800 S 1300 E BC	1,550.00	
		11000184 6010 4115	DISTRIBUTION VAULTS GROUP 1	14,375.00	
<b>505658</b>	<b>EFT 3/22/24</b>	<b>HY-KO SUPPLY COMPANY</b>			<b>418.25</b>
		83000570 5350	TRASH CAN LINERS FOR ALL BUILDINGS	418.25	
<b>505659</b>	<b>EFT 3/22/24</b>	<b>INFINITY CORROSION GROUP INC</b>			<b>12,951.57</b>
		11000186 6010 4271	8-MG & 2-MG STEEL RESERVOIRS P	12,951.57	
<b>505660</b>	<b>EFT 3/22/24</b>	<b>MOUNTAINLAND SUPPLY COMPANY</b>			<b>90.13</b>
		82000570 5380	2) 3"X2" BRASS HEX BUSHING	90.13	

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PAYMENT REGISTER - O&M ACCOUNT

*For the Period March 01, 2024 Through March 31, 2024*

PAYMENT NO.	PAYMENT DATE	VENDOR NAME	ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
505661	EFT 3/22/24	<b>PILOT THOMAS LOGISTICS</b>	75000570 5360	FOUR SEPARATE DIESEL FUEL DELIVERIES	8,523.13	<b>\$8,523.13</b>
505662	EFT 3/22/24	<b>PLATT ELECTRIC SUPPLY INC</b>	11000184 6010 4199	3600 WEST 10200 SOUTH PUMP STA	164.09	<b>164.09</b>
505663	EFT 3/22/24	<b>POLYDYNE INC</b>	71000590 5710	CHEMICALS FOR JVWTP - PEC	41,546.12	<b>41,546.12</b>
505664	EFT 3/22/24	<b>PROFESSIONAL PEST CONTROL LLC</b>	83000570 5350	PEST CONTROL FOR FEBRUARY	270.00	<b>670.00</b>
			83071570 5350	PEST CONTROL FOR FEBRUARY	250.00	
			83072570 5350	PEST CONTROL FOR FEBRUARY	100.00	
			83073570 5350	PEST CONTROL FOR FEBRUARY	50.00	
505665	EFT 3/22/24	<b>RALPH L WADSWORTH</b>	11000186 6010 4231	5200 WEST 6200 SOUTH RESERVOIR	719,782.79	<b>719,782.79</b>
505666	EFT 3/22/24	<b>REGAN NORDGREN</b>	80000570 5290	CDL DRIVERS TEST REIMBURSEMENT	200.00	<b>200.00</b>
505667	EFT 3/22/24	<b>ROBERT I MERRILL COMPANY</b>	11000184 6010 4220	EMERGENCY GENERATORS PHASE 2	1,000.00	<b>1,000.00</b>
505668	EFT 3/22/24	<b>ROCKY MOUNTAIN VALVES &amp; AUTOMATION</b>	91000570 5310	REPLACE ACTUATOR AT 32 & 62 PUMP STATI	8,432.30	<b>8,432.30</b>
505669	EFT 3/22/24	<b>SMITH &amp; EDWARDS</b>	80000570 5260	SAFETY BOOTS	154.95	<b>154.95</b>
505670	EFT 3/22/24	<b>THATCHER COMPANY</b>	71000590 5710	CHEMICALS FOR JVWTP - LIQUID CHLORINE	24,740.00	<b>25,316.95</b>
			75000590 5710	SODIUM HYPOCHLORITE FOR DIST.	576.95	
505671	EFT 3/22/24	<b>THE DATA CENTER</b>	60000650 5250	FEBRUARY 2024 BILLING	1,839.76	<b>1,839.76</b>
505672	EFT 3/22/24	<b>THERMO ELECTRON NORTH AMERICA LLC</b>	78000590 5720	ICP-MS PUMP REPAIR	5,270.00	<b>5,270.00</b>
505673	EFT 3/22/24	<b>UTAH LAKE WATER USERS ASSOCIATION INC</b>	70000510 5810	ULWUA FEBRUARY 2024 MAINTENANCE	1,062.65	<b>1,062.65</b>
505674	EFT 3/22/24	<b>UTAH YAMAS CONTROLS INC</b>	11000188 6010 4204	ZONE "D" CHEMICAL FEED FACILITY	26,634.00	<b>26,634.00</b>
505675	EFT 3/22/24	<b>VWR INTERNATIONAL INC</b>	78000590 5720	MICRO, HAA5 AND WETCHEM SUPPLIES	3,387.62	<b>4,791.05</b>
			78000590 5720	MISCELLANEOUS SUPPLIES	1,403.43	
505676	EFT 3/22/24	<b>WINMARK STAMP &amp; SIGN INC</b>	83000570 5350	OFFICE NAME PLATES FOR LISA AND CHEYA	55.25	<b>55.25</b>
505677	EFT 3/22/24	<b>WW GRAINGER</b>	82000570 5380	6) ABRASIVE UTILITY ROLLS (20) SANDING I	613.44	<b>613.44</b>
505678	EFT 3/29/24	<b>AIRGAS USA, LLC</b>	82000570 5380	3) 4 1/2" CUTOFF WHEEL BOX 1) 11LB SPOOL	163.82	<b>191.40</b>
			81000570 5310	WELDING WIRE AND GRINDING DISKS FOR A	27.58	

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PAYMENT REGISTER - O&M ACCOUNT

*For the Period March 01, 2024 Through March 31, 2024*

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
505679	EFT 3/29/24	<b>ALAN E PACKARD</b> 51000650 5290	UWUW	312.24	<b>\$312.24</b>
505680	EFT 3/29/24	<b>BATEMAN MOBIL 1 LUBE EXPRESS</b> 81000570 5360	EMISSIONS ON FLEET VEHICLES AND ONE O	942.95	<b>942.95</b>
505681	EFT 3/29/24	<b>BARRETT BUSINESS SERVICES, INC</b> 52000650 5280 62000570 5670	TEMP EMPLOYEE TIME TEMP EMPLOYEE TIME	1,528.69 2,157.26	<b>3,685.95</b>
505682	EFT 3/29/24	<b>BIZWEAR</b> 75000590 5170	NEW HIRE UNIFORM ORDER	199.00	<b>199.00</b>
505683	EFT 3/29/24	<b>BLUE STAR GAS</b> 81000570 5340 81000570 5340	J4 GENERATOR PROPANE FOR FORKLIFTS	142.25 72.71	<b>214.96</b>
505684	EFT 3/29/24	<b>BROWN AND CALDWELL CORP.</b> 11000140 6010 4319	COMPREHENSIVE CIP DEVELOPMENT PROC	33,439.68	<b>33,439.68</b>
505685	EFT 3/29/24	<b>CAROLLO ENGINEERS INC</b> 11000182 6010 4289	JVWTP FILTER AND CHEMICAL FEED	368,231.25	<b>368,231.25</b>
505686	EFT 3/29/24	<b>CENTRAL UTAH WATER CONSERVANCY DISTRICT</b> 70000510 5810	CUWCD CWP WATER DELIVERIES FEBRUAR	119,569.80	<b>119,569.80</b>
505687	EFT 3/29/24	<b>CENTURYLINK / LUMEN</b> 90000650 5230 90071650 5230 90072650 5230 90101650 5230	VARIOUS LOCATIONS VARIOUS LOCATIONS VARIOUS LOCATIONS VARIOUS LOCATIONS	521.84 521.84 432.68 432.88	<b>1,909.24</b>
505688	EFT 3/29/24	<b>CHEMTECH-FORD INC</b> 77000590 5770 77071590 5770 77073590 5770 77075590 5770	WATER QUALITY ANALYSIS WATER QUALITY ANALYSIS WATER QUALITY ANALYSIS WATER QUALITY ANALYSIS	150.01 217.01 172.03 928.95	<b>1,468.00</b>
505689	EFT 3/29/24	<b>CLIFF JOHNSON EXCAVATING</b> 82000570 5380	IMPORTED DIRTY FILL	90.00	<b>90.00</b>
505690	EFT 3/29/24	<b>COMMERCIAL LIGHTING SUPPLY INC</b> 83071570 5350	LIGHT BULBS AND RECYCLE LIGHT BULBS F	876.50	<b>876.50</b>
505691	EFT 3/29/24	<b>CORRIO CONSTRUCTION, INC.</b> 11000188 6010 4204	ZONE D CHEMICAL FEED FACILITY	38,985.70	<b>38,985.70</b>
505692	EFT 3/29/24	<b>DIAMOND CUTTING, LLC</b> 81072570 5380	GASKETS FOR UNDERDRAINS SERWTP FILT	1,650.00	<b>1,650.00</b>
505693	EFT 3/29/24	<b>DURA CRETE INC</b> 82000570 5380	REPLACE EFT	98.00	<b>98.00</b>
505694	EFT 3/29/24	<b>RICHARD BILLINGS</b> 83000570 5350	GOPHER REMOVAL AT THE CONSERVATION C	100.00	<b>100.00</b>
505695	EFT 3/29/24	<b>HACH COMPANY</b> 91071570 5310 91073570 5310	PH SENSOR CONDUCTIVITY GATEWAY & CONDUCTIVITY	1,089.28 1,990.00	<b>3,079.28</b>

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PAYMENT REGISTER - O&M ACCOUNT

*For the Period March 01, 2024 Through March 31, 2024*

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
<b>505696</b>	<b>EFT 3/29/24</b>	<b>HANSEN ALLEN &amp; LUCE INC</b>			<b>\$9,707.75</b>
		11000184 6010 4241	2022-23 VAULT IMPROVEMENT PROJ	8,534.00	
		52000650 5280	MODELING THE POINT DEVELOPMENT IMPAC	1,173.75	
<b>505697</b>	<b>EFT 3/29/24</b>	<b>HARRINGTON INDUSTRIAL PLASTICS LLC</b>			<b>808.89</b>
		81072570 5380	CPVC FITTINGS VALVES PIPE CHLORINE SYE	808.89	
<b>505698</b>	<b>EFT 3/29/24</b>	<b>HOYA OPTICAL LABS OF AMERICA, INC</b>			<b>120.00</b>
		71000590 5260	PRESCRIPTION SAFETY GLASSES FOR JERE	120.00	
<b>505699</b>	<b>EFT 3/29/24</b>	<b>LGG INDUSTRIAL</b>			<b>52.92</b>
		81071570 5380	CAM LOCKS AND TUBING FOR CHEMICAL FE	52.92	
<b>505700</b>	<b>EFT 3/29/24</b>	<b>MESA PRODUCTS</b>			<b>3,061.40</b>
		82000570 5380	ANODES & CADWELDING SUPPLIES	3,061.40	
<b>505701</b>	<b>EFT 3/29/24</b>	<b>METROPOLITAN WATER DISTRICT</b>			<b>28,765.24</b>
		70000510 5810	MWDSLS FEBRUARY 2024 WATER DELIVERIE	28,765.24	
<b>505702</b>	<b>EFT 3/29/24</b>	<b>OLYMPUS SAFETY &amp; SUPPLY LLC</b>			<b>1,230.00</b>
		51000650 5260	RESPIRATORS & SPECTACLE KITS FOR JWV	615.00	
		71000590 5260	RESPIRATORS & SPECTACLE KITS FOR JWV	615.00	
<b>505703</b>	<b>EFT 3/29/24</b>	<b>PERIGEE CONSULTING, LLC</b>			<b>2,000.00</b>
		11000150 6010 3698	11800 SOUTH 5600 WEST LAND PURCHASE/E	2,000.00	
<b>505704</b>	<b>EFT 3/29/24</b>	<b>PLATT ELECTRIC SUPPLY INC</b>			<b>45.59</b>
		81000570 5380	BALLAST FOR LIGHTS IN THE ADMIN BUILDIN	45.59	
<b>505705</b>	<b>EFT 3/29/24</b>	<b>PROFESSIONAL PEST CONTROL LLC</b>			<b>620.00</b>
		83000570 5350	PEST CONTROL FOR MARCH	270.00	
		83071570 5350	PEST CONTROL FOR MARCH	200.00	
		83072570 5350	PEST CONTROL FOR MARCH	100.00	
		83073570 5350	PEST CONTROL FOR MARCH	50.00	
<b>505706</b>	<b>EFT 3/29/24</b>	<b>QUICK QUACK</b>			<b>519.80</b>
		83000570 5360	CAR WASH TRIAL FOR FLEET VEHICLES	519.80	
<b>505707</b>	<b>EFT 3/29/24</b>	<b>ROCKY MOUNTAIN VALVES &amp; AUTOMATION</b>			<b>6,855.70</b>
		81000570 5380	BUTTERFLY VALVE FOR 114TH AND 3200W PI	6,445.70	
		81072570 5380	AIR VAC FOR REPAIR AND FOR STOCK	410.00	
<b>505708</b>	<b>EFT 3/29/24</b>	<b>ROYAL WHOLESALE ELECTRIC</b>			<b>4,819.13</b>
		11000188 6010 4204	ZONE "D" CHEMICAL FEED FACILITY	535.36	
		91071570 5310	PEA PLC PARTS FOR STOCK	4,283.77	
<b>505709</b>	<b>EFT 3/29/24</b>	<b>SHERWIN-WILLIAMS COMPANY</b>			<b>328.23</b>
		83000570 5350	PAINT SUPPLIES	136.48	
		83071570 5350	PAINT TO PAINT 4TH FLOOR CONFERENCE R	191.75	
<b>505710</b>	<b>EFT 3/29/24</b>	<b>SPRINKLER SUPPLY COMPANY</b>			<b>27.26</b>
		81000570 5380	FITTINGS FOR AIR VAC PIPE REPAIR JNPS	27.26	
<b>505711</b>	<b>EFT 3/29/24</b>	<b>STEVE REGAN COMPANY</b>			<b>1,382.28</b>
		83000570 5350	HERBICIDES FOR WEED CONTROL	1,382.28	
<b>505712</b>	<b>EFT 3/29/24</b>	<b>STEVEN J SCHMIDT</b>			<b>773.17</b>
		80000570 5290	AMPP	773.17	

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PAYMENT REGISTER - O&M ACCOUNT

For the Period March 01, 2024 Through March 31, 2024

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
505713	EFT 3/29/24	<b>TIRE WORLD</b>			<b>\$3,767.90</b>
		81000570 5330	4-TRAILER TIRES 1004, TIRES FOR 740,707,	2,380.48	
		81000570 5330	STEER TIRES FOR 411, 4 DRIVE TIRES FOR 4	1,387.42	
505714	EFT 3/29/24	<b>WADE TUFT</b>			<b>468.36</b>
		70000590 5290	UWUW	468.36	
505715	EFT 3/29/24	<b>WASATCH STEEL</b>			<b>222.42</b>
		81000570 5330	SQUARE TUBING FOR ARROW BOARD, VALV	222.42	
505716	EFT 3/29/24	<b>WINMARK STAMP &amp; SIGN INC</b>			<b>145.85</b>
		83000570 5350	OFFICE NAME PLATES	145.85	
505717	EFT 3/29/24	<b>WW GRAINGER</b>			<b>71.96</b>
		82000570 5310	GREASE GUN	71.96	
<b>REPORT TOTAL:</b>					<b>\$4,817,396.12</b>

## JORDAN VALLEY WATER CONSERVANCY DISTRICT

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

**For the Period MARCH 01, 2024 Through MARCH 31, 2024**

PAYMENT DATE	PAYMENT TYPE	VENDOR NAME	DESCRIPTION	PAYMENT AMOUNT
3/1/2024	ACH	EMPLOYEE	EMPLOYEE DIRECT DEPOSITS	361,754.90
3/1/2024	ACH	IRS	FEDERAL & MEDICARE TAXES	55,177.08
3/1/2024	ACH	URS	STATE RETIREMENT	90,284.19
3/1/2024	ACH	HEALTHEQUITY	EMPLOYEE H.S.A. CONTRIBUTIONS	14,254.00
3/1/2024	ACH	CIGNA HEALTHCARE	EMPLOYEE DENTAL & LIFE INS	18,003.40
3/1/2024	ACH	FIDELITY	SUB SOCIAL SECURITY CONTRIB.	58,469.42
3/5/2024	ACH	EMPLOYEES	EMPLOYEE RECOGNITION / SAFETY	1,926.35
3/6/2024	ACH	EMPLOYEES	TERMINATED EMPLOYEE CASHOUT	6,133.02
3/12/2024	ACH	EMPLOYEES	EMPLOYEE RECOGNITION / SAFETY	1,531.46
3/15/2024	ACH	EMPLOYEE	EMPLOYEE DIRECT DEPOSITS	353,881.67
3/15/2024	ACH	IRS	FEDERAL & MEDICARE TAXES	54,101.10
3/15/2024	ACH	URS	STATE RETIREMENT	108,992.41
3/15/2024	ACH	HEALTHEQUITY	EMPLOYEE H.S.A. CONTRIBUTIONS	14,285.57
3/15/2024	ACH	CIGNA HEALTHCARE	EMPLOYEE DENTAL & LIFE INS	17,954.32
3/15/2024	ACH	FIDELITY	SUB SOCIAL SECURITY CONTRIB.	59,846.18
3/19/2024	ACH	EMPLOYEES	EMPLOYEE RECOGNITION / SAFETY	439.10
3/19/2024	ACH	EMPLOYEES	TERMINATED EMPLOYEE CASHOUT	22.52
3/25/2024	ACH	EMPLOYEES	TERMINATED EMPLOYEE CASHOUT	17,263.69
3/26/2024	ACH	EMPLOYEES	EMPLOYEE RECOGNITION / SAFETY	3,650.09
3/29/2024	ACH	EMPLOYEE	EMPLOYEE DIRECT DEPOSITS	373,483.70
3/29/2024	ACH	IRS	FEDERAL & MEDICARE TAXES	56,055.14
3/29/2024	ACH	URS	STATE RETIREMENT	101,955.67
3/29/2024	ACH	FIDELITY	SUB SOCIAL SECURITY CONTRIB.	62,079.70
3/29/2024	ACH	CIGNA HEALTHCARE	EMPLOYEE DENTAL & LIFE INS	845.83
<b>REPORT TOTAL: \$</b>				<b>1,832,390.51</b>

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PURCHASE CARD TRANSACTIONS

For the Period 3/1/2024 Through 3/31/2024

DATE	CARD HOLDER	VENDOR NAME	DESCRIPTION	GL	AMOUNT
3/1/2024	TERESA ATKINSON	FACEBK L47YYYKNJ2	FACEBOOK - META - LOCALSCAPES ADS REF#L47YYYKNJ2 \$50.00	62000570 5270	50.00
3/1/2024	DAVID HYDE	AMAZON.COM*RN68G1L70	TAP & DIES TO REPLACE BROKEN ONES IN OUR SET	81000570 5310	60.06
3/1/2024	BRYAN SMITH	AMZN MKTP US*RN93M1O20	(120)SHOP RAGS, (2)4LB DEAD BLOW HAMMERS	72000590 5310	106.78
3/1/2024	JORDAN TOMSIC	AMZN MKTP US*RZ78S6032	CONDUIT PROTECTORS FOR THE FILTER SENSOR INSTALL AT S.E. AS PER SAFETY	91072570 5310	287.96
3/1/2024	DAVID HYDE	AMZN MKTP US*RZ91Y20H2	GATE LIMIT NUTS MAIN GATE	81000570 5380	23.95
3/1/2024	TERESA ATKINSON	FACEBK GB8EDZBFF2	FACEBOOK - META - LOCALSCAPES ADS REF#GB8EDZBFF2 \$149.93	62000570 5270	149.93
3/1/2024	DANIEL CLAYPOOL	HELM'S ACE HARDWARE	BATTERY FOR WELDING HOOD.	81000570 5310	15.18
3/1/2024	MINDY KEELING	SMITHS MRKTPL #4495	REFRESHMENTS FOR ANN AND BEVERLY RETIREMENT	51000650 5170	74.97
3/1/2024	JEREMY TOONE	THE HOME DEPOT #8566	BATTERY AND PEA BUCKETS	71000590 5310	70.85
3/1/2024	CASEY CANNON	HARBOR FREIGHT TOOLS 292	SOCKET TOOL SET FOR TRUCKS, INORDER TO CHANGING METERS OR TO TIGHTEN IF LEAKING	75000590 5310	55.98
3/1/2024	TROY GARRETT	HARBOR FREIGHT TOOLS 292	PIPE TAPS FOR REPAIRING THREADS ON AIR VACS	81000570 5310	59.99
3/4/2024	KYLE CHAPMAN	LOWES #01133*	MC WIRE AND CONNECTORS FOR INTRUSION ALARMS INSTALL AT ZONE D	91000570 5310	119.82
3/4/2024	JACKIE BUHLER	GOVERNMENT FINANCE OFFIC	YEARLY RENEWAL FEE FOR MEMBERSHIP	51000650 5170	280.00
3/4/2024	HAYDEN COZIAR	THE HOME DEPOT #4410	PAINT AND SUPPLIES TO PAINT AND INSTALL GRATES AT WELL SITES.	83000570 5350	149.78
3/4/2024	LISA KASTELER	AMZN MKTP US*RN2WI2TW0	LAMINATING SHEETS - OFFICE SUPPLIES	80000570 5220	24.99
3/4/2024	DAVID HYDE	AMZN MKTP US*RZ20V8A91	TUBES OF GREASE FOR SHOP ULTRA DUTY GREASE EP2	81000570 5360	52.57
3/4/2024	ALISHA KIMMERLE	AMZN MKTP US*RZ7R05MB2	CHAIRS FOR JWTP	71000590 5220	266.88
3/4/2024	NATHAN TALBOT	THE HOME DEPOT 4462	MILWAUKEE PIPE SHEAR AND SAW.	75000590 5310	369.19
3/4/2024	MINDY KEELING	FAIRFIELD INN	RWAU HOTEL FOR DAVID GARCIA	80000570 5290	367.29
3/4/2024	MINDY KEELING	FAIRFIELD INN	RWAU HOTEL FOR MIKE BROWN	80000570 5290	367.29
3/4/2024	ALISHA KIMMERLE	WWW COSTCO COM	OPERATOR CHAIRS FOR JWTP	71000590 5220	471.88
3/4/2024	TERESA ATKINSON	DNH*GODADDY.COM	GODADDY Standard UCC SSL RENEWAL - 2 YEAR \$599.98	90000650 5230	599.98
3/4/2024	TERESA ATKINSON	DNH*GODADDY.COM	GODADDY -FYS.COM DOMAIN RENEWAL 1 YEAR \$22.17	90000650 5230	22.17
3/5/2024	EPIMENIO TRUJILLO	AMZN MKTP US*RN2DO6DP0	SHOP VAC TO REPLACE CAR WASH VACUUM	81000570 5310	169.99
3/5/2024	KYLE CHAPMAN	AMZN MKTP US*RN2V45D70	INTRUSION ALARM DOOR SWITCHES	91000570 5310	59.96
3/5/2024	MINDY KEELING	DELTA AIR 0062216231821	AIRFARE FOR TABLEAU CONFERENCE - CLIFTON SMITH	51000650 5290	30.00

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PURCHASE CARD TRANSACTIONS

For the Period 3/1/2024 Through 3/31/2024

DATE	CARD HOLDER	VENDOR NAME	DESCRIPTION	GL	AMOUNT
3/5/2024	MINDY KEELING	DELTA AIR 0062216980096	AIRFARE FOR TABLEAU CONFERENCE - CLIFTON SMITH	51000650 5290	356.20
3/6/2024	JORDAN TOMSIC	AMZN MKTP US*RZ20126R1	HOLLOW WALL ANCHORS TO FIX THE LIGHTS AT THE RO	91073570 5310	79.21
3/6/2024	YVETTE AMPARO	VILLAGE BAKER INC	ONBOARDING LUNCH	51005650 5290	75.05
3/6/2024	JACKIE BUHLER	ODP BUS SOL LLC # 101080	STORAGE BOXES FOR RECORDS	51000650 5220	211.00
3/6/2024	MINDY KEELING	CHAMBERWEST	PROFESSIONAL DEVELOPMENT REGISTRATION - SHAZELLE TERRY	51000650 5290	25.00
3/6/2024	JORDAN TOMSIC	THE HOME DEPOT #4410	PARTS FOR THE OULET INSTALL IN THE BOARD ROOM DESKS	91000570 5310	62.34
3/7/2024	BRAYDEN CLUFF	GRAINGER	12) 16 OZ AEROSOL LUBRICANT 2) 11 OZ AEROSLOL PENETRANT 1) 11X9 SANDING SHEET	82000570 5380	248.44
3/7/2024	LAINA MCGINTY	KNEADERS OF JORDAN LANDIN	BOARD MEETING REFRESHMENTS	51000660 5220	207.96
3/7/2024	DUSTIN BRUSCH	(PC) 6695 ROYAL	FIBER SWITCHES AND ETHERNET SWITCHES FOR 36 & 102 PUMP STATION	11000184 6010	1,191.65
3/7/2024	TIMOTHY RAINBOLT	SMITHS MRKTPL #4495	KEELING AWARDS 030624	11000200 2290	65.00
3/7/2024	ALISHA KIMMERLE	IN *EDUCATION & TRAINING	MATT ROBERTS LEADERSHIP TRAINING	75000590 5290	549.00
3/7/2024	KEENAN ROBERTSON	FRANZ BAKERY - DUNFORD	DONUTS FOR MAINTENANCE SERVICE AWARDS	80000570 5170	13.98
3/7/2024	BRYAN SMITH	THE HOME DEPOT 4409	(12) 2X6-16' REDWOOD BOARDS FOR PRESEDS	72000590 5310	399.36
3/7/2024	LISA KASTELER	WM SUPERCENTER #5763	SERVICE AWARD REFRESHMENTS	80000570 5170	45.58
3/7/2024	LISA KASTELER	WM SUPERCENTER #5763	ICE FOR SERVICE AWARDS	80000570 5170	4.80
3/7/2024	ALISHA KIMMERLE	IN *NORTH JORDAN IRRIGATI	TRANSFER FEE NORTH JORDAN IRRIGATION	11000170 6010	100.00
3/7/2024	ALISHA KIMMERLE	AMERICAN WATER WORKS ASSO	AWWA MEMBERSHIP RENEWAL JON HILBERT	77000590 5290	263.00
3/7/2024	JUSTIN SPAINHOWER	HARBOR FREIGHT TOOLS 520	TOOLS FOR TRUCK 734, HAMMERS, TOOL POUCH	75000590 5310	91.96
3/8/2024	TERESA ATKINSON	EVENT LISTING FEE	EVENTBRITE RECEIPT 2019-9256 ORGANIZER FEE FOR LOCALSCAPES UNIVERSITY \$24.99	62000570 5270	24.99
3/8/2024	KYLE ALLCOTT	ALPHAGRAPHICS US 088	FOAMCORE PRINTS FOR UTAH WATER SAVERS - SALT LAKE HOME AND GARDEN SHOW	60000650 5270	76.73
3/8/2024	TERESA ATKINSON	AMAZON.COM*RN0YH3M72	AMAZON ORDER#112-5095380-7421817 JASON BROWN - SHAUN M GO PRO \$549.00	90000650 5230	549.00
3/8/2024	DUSTIN BRUSCH	AMZN MKTP US*R60RV6L20	FIBER PATCH PANELS	11000184 6010	673.50
3/8/2024	GAGE STEWART	AMZN MKTP US*R620Q2L70	FIBER PATCH PANELS	91000570 5310	1,190.00
3/8/2024	TERESA ATKINSON	AMZN MKTP US*R65VZ3Z20	AMAZON ORDER#112-0422404-1392212 JASON BROWN - SCREEN PROTECTORS \$5.86	90000650 5230	5.86

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PURCHASE CARD TRANSACTIONS

For the Period 3/1/2024 Through 3/31/2024

DATE	CARD HOLDER	VENDOR NAME	DESCRIPTION	GL	AMOUNT
3/8/2024	LAINA MCGINTY	AMZN MKTP US*R66466OB0	1 YEAR SERVICE AWARD FOR CHEYENNE DAVIS	51000650 5170	12.29
3/8/2024	JORDAN TOMSIC	PLATT ELECTRIC 064	CONDUIT AND PARTS FOR THE FILTER SENSORS AT SOUTH EAST	91072570 5310	592.43
3/8/2024	TERESA ATKINSON	AMZN MKTP US*RN5Q25VW2	AMAZON ORDER#112-4536763-5691467 JASON BROWN - CONSERVATION HDMI SPLITTER \$17.79	90000650 5230	17.79
3/8/2024	LAINA MCGINTY	AMZN MKTP US*RN9RD41B2	1 YEAR SERVICE AWARD FOR CHEYENNE DAVIS	51000650 5170	85.13
3/8/2024	DUSTIN BRUSCH	AMZN MKTP US*RZ22A4YP1	FIBER PATCH PANELS FOR 36 & 102 PUMP STATION	11000184 6010	449.00
3/11/2024	SHAUN MOSER	AMAZON.COM*R68D56M60	OFFICE CHAIRS FOR ED CENTER	62000570 5350	148.00
3/11/2024	CORY COLLINS	AMZN MKTP US*R674D8TT0	FILE FOLDERS FOR PROGRAMS	51000650 5220	12.76
3/11/2024	BRYAN SMITH	AMZN MKTP US*RN0C46OY1	(5) PULL KNOBS	72072570 5350	8.98
3/11/2024	CORY COLLINS	AMZN MKTP US*RN3Y64ZF1	FILE FOLDERS FOR PROGRAMS	51000650 5220	11.98
3/11/2024	JACKIE BUHLER	AMZN MKTP US*RN84F67A2	BACK SUPPORT FOR BRIANNE	51000650 5220	24.99
3/11/2024	TERESA ATKINSON	AMZN MKTP US*RN9UQ0582	AMAZON ORDER#112-0229987-5633005 JASON BROWN - HDMI CABLES \$64.18	90000650 5230	64.18
3/11/2024	TERESA ATKINSON	MICROSOFT#G041562642	AZURE FEBRUARY 2024 G041562642 \$1098.22	90000650 5230	1,098.22
3/11/2024	TERESA ATKINSON	DNH*GODADDY.COM	GODADDY - LOCALSCAPES.NET DOMAIN RENEWAL 1 YEAR \$25.17	90000650 5230	25.17
3/11/2024	DANIEL CLAYPOOL	THE HOME DEPOT 4409	BALL VALVES FOR HOSE BIBS (SERWTP SHUTDOWN) PROJECTS	81072570 5380	83.90
3/11/2024	ALLEN CURTIS	THE HOME DEPOT 4410	PANELING AND TRIM FOR WASHER AND DRYER ED CENTER	81000570 5380	80.39
3/12/2024	LAINA MCGINTY	SMITHS MRKTPL #4495	BOARD MEETING REFRESHMENTS	51000650 5170	113.96
3/12/2024	JACKIE BUHLER	PITNEY BOWES PI	SERVICE AGREEMENT FOR THE LETTER OPENER	51000650 5250	248.34
3/12/2024	JORDAN TOMSIC	PLATT ELECTRIC 064	PARTS FOR SOUTH EAST INSTALL OF THE FILTER SENSORS	91072570 5310	43.94
3/12/2024	NICK MCDONALD	THE UPS STORE 4976	SHIPPING FOR SCUBBER MEDIA TESTING	71071570 5360	20.96
3/12/2024	LAINA MCGINTY	AMZN MKTP US*R68IO78IO	1 YEAR SERVICE AWARD FOR TREVOR SMITH	51000650 5170	96.00
3/12/2024	BRAYDEN CLUFF	CURB CART CONCRETE	1/4 YARD OF CONCRETE FROM CURB CART CONCRETE	82000570 5380	213.00
3/12/2024	JACKIE BUHLER	IN *TRI STATE OIL RECLAIM	USED OIL PICK UP	81000570 5330	300.00
3/12/2024	ALISHA KIMMERLE	INTERMOUNTAIN SECTION AWW	CRAM FOR THE EXAM SPENCER BARLOW	75000590 5290	350.00
3/12/2024	BRAYDEN CLUFF	GRAINGER	GRAINGER CREDIT FOR 11X9 SANDING SHEETS	82000570 5380	-71.04
3/13/2024	JORDAN TOMSIC	THE HOME DEPOT #4402	COLD GALV PAINT AND HAMMER DRILL BITS FOR CONDUIT INSTALL AT S.E.	91072570 5310	41.90

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PURCHASE CARD TRANSACTIONS

For the Period 3/1/2024 Through 3/31/2024

DATE	CARD HOLDER	VENDOR NAME	DESCRIPTION	GL	AMOUNT
3/13/2024	RYAN JEFFS	DIGITALDESK	PESTICIDE CERTIFICATION GENERAL KNOWLEDGE TEST	80000570 5290	28.50
3/13/2024	LAINA MCGINTY	SMITHS MRKTPL #4495	JOB FAIR REFRESHMENTS	51000650 5170	51.25
3/13/2024	TERESA ATKINSON	EVENT LISTING FEE	EVENTBRITE RECEIPT #2643-2993 FOR ORGANIZER FEE FOR WATERWISE VEGETABLE GARDENING \$24.99	62000570 5270	24.99
3/14/2024	DAVID HYDE	MCNICHOLS COMPANY	ALUMINUM EXPANDED METAL FOR SCREENS	81072570 5380	592.40
3/14/2024	MIKE RASMUSSEN	LES SCHWAB TIRES #0515	FRONT END ALIGNMENT FOR 706	81000570 5330	114.99
3/14/2024	SHANE SWENSEN	VILLAGE BAKER INC	LUNCH MEETING FOR CIP DEVELOPMENT PROJECT	11000140 6010	169.74
3/14/2024	JOSHUA SHREWSBURY	AMZN MKTP US*RN6576SB1	PULLEYS AND REELS FOR FILTERS	72072570 5350	136.38
3/14/2024	LAINA MCGINTY	EB 2024 VIRTUAL ARMA	2024 VIRTUAL ARMA SEMINAR / AUBREY MENON	51000650 5170	75.00
3/14/2024	JORDAN TOMSIC	(PC) 6695 ROYAL	4 CONDUCTOR CABLE FOR THE FILTER PROEJECT AT SOUTH EAST	91072570 5310	384.09
3/14/2024	LISA KASTELER	INTERMOUNTAIN SECTION AWW	FEES FOR FLOURIDE TRAINING - RYAN JEFFS & SPENCER ANDERSON	80000570 5290	60.00
3/14/2024	BRYAN SMITH	THE HOME DEPOT #4409	BRASS FITTINGS FOR LAB SINK CONNECTIONS	72000590 5720	52.02
3/14/2024	NATHAN TALBOT	LOWES #01613*	FOLDING HEX KEY SET	75000590 5310	19.98
3/14/2024	JEFFREY BETTON	THE HOME DEPOT #4410	BAG FOR FIRST AID CABINET STOCKING/MONTHLY CHECKS. TAPE MEASURES FOR ERGO. EVALS. AND SAFETY VISITS.	51000650 5260	117.92
3/15/2024	TROY GARRETT	THE HOME DEPOT #8566	COPPER COOLING LINES FOR PUMP at 114th 3150 so	81000570 5380	33.43
3/15/2024	TERESA ATKINSON	DNH*GODADDY.COM	GODADDY - VARIOUS PREP60 DOMAIN RENEWALS 1 YEAR #2983077626 \$141.02	90000650 5230	141.02
3/15/2024	LISA KASTELER	SQ *AAA TESTING LLC	CDL DRIVERS TEST FOR REGAN N.	80000570 5290	200.00
3/18/2024	TERESA ATKINSON	ORG SUB FEE	EVENTBRITE RECEIPT#2312-2852 3-16-24 TO 4-16-24 PRO 100 \$29.00	62000570 5270	29.00
3/18/2024	TERESA ATKINSON	SKILLPATH / NATIONAL	CHEYENNE DAVIS - RECEIPT - ADMIN PRO CONFERENCE REGISTRATION \$199	60000650 5290	199.00
3/18/2024	TERESA ATKINSON	SKILLPATH / NATIONAL	BECCA WHITE - RECEIPT - ADMIN PRO CONFERENCE REGISTRATION \$199	60000650 5290	199.00
3/18/2024	STEVEN SCHMIDT	AMZN MKTP US*R69O667P2	2 Flagging Tape - Flo Orange - 1 3/16" x 150' Roll	82000570 5360	9.08
3/18/2024	JORDAN TOMSIC	SCHWEITZER ENGINEERING LA	SERIAL CABLE TO CONECT LAPTOP TO THE SEL MOTOR PROTECTION RELAYS	91000570 5310	83.46
3/18/2024	STEVEN SCHMIDT	AMAZON.COM*R636G6ZH1	4 of: Rust-Oleum 203029-12PK Industrial Choice Inverted Solvent-Based Marking Spray Paint, 17 Oz, Sa	82000570 5360	347.36
3/18/2024	SHAUN MOSER	AMAZON.COM*RH52K6H80	SAFETY GLOVES FOR GARDEN STAFF	62000570 5170	59.61
3/18/2024	CORY COLLINS	PREMIER CLEANERS	TABLECLOTHS FROM BEV AND ANNS RETIREMENT	51000650 5170	175.00

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PURCHASE CARD TRANSACTIONS

For the Period 3/1/2024 Through 3/31/2024

DATE	CARD HOLDER	VENDOR NAME	DESCRIPTION	GL	AMOUNT
3/19/2024	TERESA ATKINSON	FIGMA MONTHLY RENEWAL	FIGMA SOFTWARE MAR 18 2024 TO APR 18 2024 \$48.26	60000650 5270	48.26
3/19/2024	YVETTE AMPARO	APPLE SPICE MURRAY	ONBOARDING LUNCH	51005650 5290	57.96
3/19/2024	SHAUN MOSER	AMZN MKTP US*R664E7XN1	HAND WARMERS	62000570 5350	19.98
3/19/2024	KYLE CHAPMAN	AMZN MKTP US*RH4E663S2	FIBER PATCH CABLES FOR ZONE D AND 36 &102	91000570 5310	128.58
3/19/2024	JORDAN TOMSIC	CONTINENTAL BATTERY	FOR RTU UPS BATTERIES BACK IN 12-21-2023	91000570 5310	194.20
3/19/2024	LISA WRIGHT	HOTEL*72785145809854	HOTEL DEPOSIT FOR ULCT CONFERENCE - MARK STRATFORD	51000650 5290	172.97
3/19/2024	ALISHA KIMMERLE	COSTCO WHSE #1019	FOOD FOR SERVICE AWARD LUNCHEON	70000590 5170	38.65
3/20/2024	TERESA ATKINSON	AMZN MKTP US*R60PO7H91	AMAZON ORDER#112-9961121-1445019 DAVID GREGORY - USB SD CARD READERS \$17.58	90000650 5230	17.58
3/20/2024	KYLE CHAPMAN	AMZN MKTP US*R612N7BN1	FIBER PATCH CABLE STOCK	91000570 5310	38.46
3/20/2024	JACKIE BUHLER	AMZN MKTP US*R67058621	FILE CART FOR EMPLOYEE	51000650 5220	31.99
3/20/2024	BRADLEY BOREN	AMZN MKTP US*RH5X89KS0	DRY ERASE BOARDS FOR JWWT CONFERENCE ROOMS	83071570 5350	539.98
3/20/2024	MINDY KEELING	INTERMOUNTAIN SECTION AWW	IMS MIDYEAR CONF. REGISTRATION FOR MAINTENANCE	80000570 5290	960.00
3/20/2024	MINDY KEELING	INTERMOUNTAIN SECTION AWW	IMS MIDYEAR CONF. REGISTRATION FOR JOHN KAHLE	52000650 5290	160.00
3/20/2024	LAINA MCGINTY	RESOURCEFUL MANAGER	1 YEAR ACCESS RESOURCEFUL MANAGER INSIDER	51000650 5290	228.00
3/21/2024	KYLE ALLCOTT	STICKER MULE	PROMOTIONAL STICKERS FOR JWCD	60000650 5270	9.00
3/21/2024	ALISHA KIMMERLE	INTERMOUNTAIN SECTION AWW	CRAM FOR THE EXAM FOR JARED WARD AND JULIO PUGA	75000590 5290	700.00
3/21/2024	YVETTE AMPARO	AMZN MKTP US*R63A80DP1	OPERATOR CLASS SUPPLIES	51005650 5290	90.85
3/21/2024	JEFFREY BETTON	SMITHS MRKTPL #4495	ZIPLOCK BAGS TO ORGANIZE AND STORE FIRST AID CABINET SUPPLIES (NEW & REMOVED).	51000650 5260	17.85
3/21/2024	HAYDEN COZIAR	THE HOME DEPOT #4410	HOSE CLAMPS FOR TANK SPRAYER	83000570 5350	33.96
3/22/2024	TROY GARRETT	THE HOME DEPOT #8566	HOSE BIBS FOR BASIN WASH DOWNS	81071570 5380	8.98
3/22/2024	TIMOTHY RAINBOLT	SMITHS MRKTPL #4495	NORDGREN AWARDS 032124	11000200 2290	300.00
3/22/2024	ALLEN CURTIS	THE HOME DEPOT #4410	SEALANT AND CALKING GUN FOR RO PIPING	81073570 5380	16.72
3/22/2024	JORDAN TOMSIC	THE HOME DEPOT #4410	HAMMER DRILL BIT FOR THE LIGHTS IN THE R.O.	91073570 5310	47.24
3/22/2024	BRYAN SMITH	HARBOR FREIGHT TOOLS 789	(6) PAIRS PVC SAFETY GLOVES	72000590 5260	47.94
3/22/2024	SHAUN MOSER	AMAZON.COM*RH4KA2QN2	MICRO SD CARD FOR GOPRO	62000570 5350	24.99
3/22/2024	BRYAN SMITH	AMZN MKTP US*RA0649L30	(2) 2 INCH TRASH PUMPS	72072570 5380	614.00

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PURCHASE CARD TRANSACTIONS

For the Period 3/1/2024 Through 3/31/2024

DATE	CARD HOLDER	VENDOR NAME	DESCRIPTION	GL	AMOUNT
3/22/2024	SHAUN MOSER	AMZN MKTP US*RA1K97ZI0	(OPEN HOUSE) ACRYLIC SIGN HOLDERS	62000570 5270	22.89
3/22/2024	EPIMENIO TRUJILLO	AMZN MKTP US*RH0Z17CJ1	R.O. GATE BATTERY CHARGER	81000570 5330	51.64
3/22/2024	NICK MCDONALD	UUHC S JORDAN CENTER	SAFETY LENSES FOR ANDY MALMSTROMS SCBA AND NORTH FULL FACE RESPERATOR	71000590 5260	180.00
3/25/2024	LISA KASTELEK	AMZN MKTP US*RA2GI0XN0	DAY PLANNER BINDER FOR JARED BRACE - NEW SUPERVISOR POSITION	51000650 5220	24.99
3/25/2024	EPIMENIO TRUJILLO	AMZN MKTP US*RA3EY43Q0	COMPUTER STANDS FOR # 720 AND # 718	81000570 5330	434.98
3/25/2024	JOSHUA SHREWSBURY	AMZN MKTP US*RH0PK2EH1	MOPS AND BROOMS	72072570 5350	111.73
3/25/2024	EPIMENIO TRUJILLO	AMZN MKTP US*RH3R57OP1	COMPUTER STAND FOR #760	81000570 5330	285.99
3/25/2024	EPIMENIO TRUJILLO	AMZN MKTP US*RH5P19VG1	SAFETY HITCHES FOR TRAILERS WITH 2 AND 5/16 BALL	81000570 5330	272.28
3/25/2024	TERESA ATKINSON	FACEBK 5BYXEYFA32	FACEBOOK - META - UWS ADS REF#5BYXEYFA32 \$35.00	62000570 5270	35.00
3/25/2024	TERESA ATKINSON	FACEBK 73Z5GYFA32	FACEBOOK - META - UWS ADS 73Z5GYFA32 \$35.00	62000570 5270	35.00
3/25/2024	MINDY KEELING	SGUZS - HP ST.GEORGECONVE	UWUW HOTEL - TRAVIS CHRISTENSEN	52000650 5290	312.24
3/25/2024	LISA WRIGHT	INTERMOUNTAIN SECTION AWW	JEFF K AWWA REGISTRATION	51000650 5170	180.00
3/25/2024	TERESA ATKINSON	SLACK T059T8B0VKJ	SLACK SOFTWARE RECEIPT MAR 21-APR 20, 2024 #2267-7138 \$10.56	60000650 5270	10.56
3/25/2024	LISA WRIGHT	WWW.SCHMID* SCHMIDTS P	COOKIE ORDER FOR JAMC MEETING	51000650 5170	32.63
3/25/2024	TERESA ATKINSON	WEBFLOW.COM	WEBFLOW RECEIPT in_0Oy0glo2ZNzxqgUAZ2ZNDwG7 \$60.06	60000650 5270	60.06
3/25/2024	YVETTE AMPARO	DREAMSTIME.COM		51005650 5290	25.00
3/25/2024	BRADLEY BOREN	AMZN MKTP US	DRY ERASE BOARD REFUND (1 BOARD)	83071570 5350	-269.99
3/25/2024	SHAUN MOSER	JOHNNY'S SELECTED SEED	REFUND FOR UNAVAILABLE PRODUCT	62000570 5350	-32.75
3/26/2024	LAINA MCGINTY	SMITHS MRKTPL #4495	BOARD MEETING REFRESHMENTS	51000660 5220	76.60
3/26/2024	TERESA ATKINSON	DNH*GODADDY.COM	GODADDY -STANDARD UCC SSL RENEWAL 2 YEAR #3000857573 \$799.98	90000650 5230	799.98
3/26/2024	JOSHUA SHREWSBURY	AMAZON.COM*RH98H1HX1	MOP BUCKETS	72072570 5350	207.68
3/26/2024	ALISHA KIMMERLE	AMZN MKTP US*RH72D8QQ1	FILTERS FOR WATER QUALITY	77000590 5750	32.99
3/26/2024	MINDY KEELING	SQ *JOLLEY PHOTO & DESIGN	NEW TRUSTEE HEADSHOTS FOR BOARD ROOM	51000650 5170	300.00
3/27/2024	CORY COLLINS	AMZN MKTP US*RH8XD66H1	ITEMS FOR INTERNS CUBBIES	62000570 5350	67.86
3/27/2024	BRADLEY BOREN	C-WORKS INC	MULTI-LOCK LOCK SYSTEMS FOR GATES	83000570 5350	208.50
3/27/2024	DUSTIN BRUSCH	EBAY O*12-11360-52406	485 MODBUS CONVERTERS FOR SHOP	91000570 5310	196.88
3/27/2024	TERESA ATKINSON	FACEBK 7FZTHYFA32	FACEBOOK - META - UWS ADS 7FZTHYFA32 \$35.00	62000570 5270	35.00
3/27/2024	LAINA MCGINTY	SQ *CLUB PICKLEBALL USA S	WELLNESS EVENT/GROUP PICKLEBALL EVENT	51000650 5130	652.00

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PURCHASE CARD TRANSACTIONS

For the Period 3/1/2024 Through 3/31/2024

DATE	CARD HOLDER	VENDOR NAME	DESCRIPTION	GL	AMOUNT
3/27/2024	KYLE ALLCOTT	SQ *HRUSKAS WEST JORDAN L	REFRESHMENTS FOR CUSTOMER SATISFACTION AND STAKEHOLDER SUPPORT COMMITTEE MEETING	60000650 5270	45.66
3/27/2024	JACKIE BUHLER	UTAH ASSOCIATION OF CPA'S	RENEWAL FEES FOR EMPLOYEE	51000650 5290	385.00
3/27/2024	LISA WRIGHT	WWW.SCHMID* SCHMIDTS P	CREDIT FROM SCHMIDT'S FOR CANCELLED ORDER	51000650 5170	-32.63
3/27/2024	JEFFREY BETTON	COSTCO WHSE#1441	SAFETY MEETING SNACKS FOR RESPIRATOR FIT TESTING & ERP POCKET GUIDE ROLLOUT	51000650 5260	49.76
3/27/2024	JORDAN TOMSIC	PLATT ELECTRIC 064	FIBERGLASS 90 DEGREE ELBOW FOR THE TERMINAL RESERVOIR POWER	91000570 5310	191.90
3/27/2024	BRYAN SMITH	EVCO HOUSE OF HOSE	(2) 100' 1 1/2 HOSE FOR TRASH PUMPS	72072570 5380	521.18
3/27/2024	KYLE ALLCOTT	SMITHS FOOD #4139	REFRESHMENTS FOR CUSTOMER SATISFACTION AND STAKEHOLDER SUPPORT COMMITTEE MEETING	60000650 5270	12.08
3/27/2024	TERESA ATKINSON	EVENT LISTING FEE	EVENTBRITE RECEIPT #2081-4170 FOR ORGANIZER FEE FOR SWITCH2DRIP \$24.99	62000570 5270	24.99
3/27/2024	KYLE ALLCOTT	WALMART.COM 8009666546	TELEVISION TO USE AT TRADESHOW BOOTHS	60000650 5270	159.47
3/27/2024	JOSHUA SHREWSBURY	GRAINGER	SILICONE, ANIT-SEIZE AND PUTTY KNIVES	72072570 5380	121.86
3/28/2024	JORDAN TOMSIC	THE HOME DEPOT #4462	LIFETIME TABLE FOR FIBER SPLICING	91000570 5310	44.98
3/28/2024	TERESA ATKINSON	EVENT LISTING FEE	EVENTBRITE RECEIPT #2000-0580 FOR ORGANIZER FEE FOR ASK AN EXPERT \$49.99	62000570 5270	49.99
3/28/2024	MICHAEL LORENC	SPRINKLER SUPPLY	MARKING PAINT FOR PROGRAMS STAFF	62000570 5350	174.96
3/28/2024	JACKIE BUHLER	STERICYCLE INC/SHRED-IT	PAYMENT FOR INVOICE #8006663810	51000650 5220	248.11
3/28/2024	MINDY KEELING	PREMIER CLEANERS	OVERCHARGE REFUNDED IN CASH - CASH GIVEN TO AUBREY MENON	51000650 5170	1.11
3/28/2024	MINDY KEELING	PREMIER CLEANERS	DRYCLEAN UPSTAIRS TABLECLOTHS AFTER 3-13-24 BOARD MEETINGS	51000650 5170	111.00
3/28/2024	TERESA ATKINSON	AMAZON.COM*RA7WK6HW2	AMAZON ORDER#112-9970778-3454618 DAVID GREGORY - ERGO MOUSE - KURT \$69.99.pdf	90000650 5230	69.99
3/28/2024	TERESA ATKINSON	FACEBK 3GWDJY7B32	FACEBOOK - META - UWS - LAWN REMOVAL ADS REF#3GWDJY7B32 \$35.00	62000570 5270	35.00
3/29/2024	TERESA ATKINSON	FACEBK 7UVJNYBA32	FACEBOOK - META - UWS ADS REF#7UVJNYBA32 \$35.00	62000570 5270	35.00
3/29/2024	JOSHUA SHREWSBURY	FASTENAL COMPANY 01UTMID	BOLTS AND NUTS	72072570 5380	176.00
3/29/2024	JORDAN TOMSIC	PLATT ELECTRIC 064	ORDERED A BOX TO FIX THE BROKEN CAMERA BOX AT OLD BINGHAM AND IT WAS TO BIG SO IT WAS RETURNED	91000570 5310	-305.58
3/29/2024	JORDAN TOMSIC	PLATT ELECTRIC 064	ORDERED A BOX TO FIX THE BROKEN CAMERA BOX AT OLD BINGHAM AND IT WAS TO BIG SO IT WAS RETURNED	91000570 5310	305.58

# JORDAN VALLEY WATER CONSERVANCY DISTRICT

## PURCHASE CARD TRANSACTIONS

For the Period 3/1/2024 Through 3/31/2024

DATE	CARD HOLDER	VENDOR NAME	DESCRIPTION	GL	AMOUNT
3/29/2024	JORDAN TOMSIC	PLATT ELECTRIC 064	METAL OUTDOOR BOX TO REPLACE THE BROKEN ONE AT OLD BINGHAM CAMERA POLE	91000570 5310	254.25
3/29/2024	JORDAN TOMSIC	THE HOME DEPOT 4462	WIRES FOR THE SECURITY CAMERSA AT OLD BINGHAM	91000570 5310	396.98
3/29/2024	MINDY KEELING	AWWA EVENTS	ACE24 REGISTRATION - STEVE CRAWFORD	80000570 5290	950.00
3/29/2024	MINDY KEELING	AWWA EVENTS	ACE24 REGISTRATION - CONOR TYSON	52000650 5290	950.00
3/29/2024	MINDY KEELING	AWWA EVENTS	ACE24 REGISTRATION - TRAVIS CHRISTENSEN	52000650 5290	950.00
3/29/2024	MINDY KEELING	AWWA EVENTS	ACE24 REGISTRATION - JEFF BETTON	80000570 5290	950.00
3/29/2024	MINDY KEELING	AWWA EVENTS	ACE24 REGISTRATION - BRIAN MCCLEARY	51000650 5290	950.00
3/29/2024	BRADLEY BOREN	AMZN MKTP US	REFUND FOR DRY ERASE BOARD (1 BOARD)	83071570 5350	-269.99
3/29/2024	CORY COLLINS	AMZN MKTP US	REFUNDED PUSH PINS	62000570 5350	-7.98
3/29/2024	JEFFREY BETTON	INTERMOUNTAIN SECTION AWW	REGISTRATION - FLUORIDE SAFETY 3-HR REFRESHER TRAINING (BRUSCH, STEWART, CHAPMAN, SIMS, TOMSIC)	91000570 5260	150.00

**TOTAL # OF TRANSACTIONS: 185**

**REPORT TOTAL: \$34,789.09**

# **CONSERVATION UPDATE**



JORDAN VALLEY WATER  
CONSERVANCY DISTRICT

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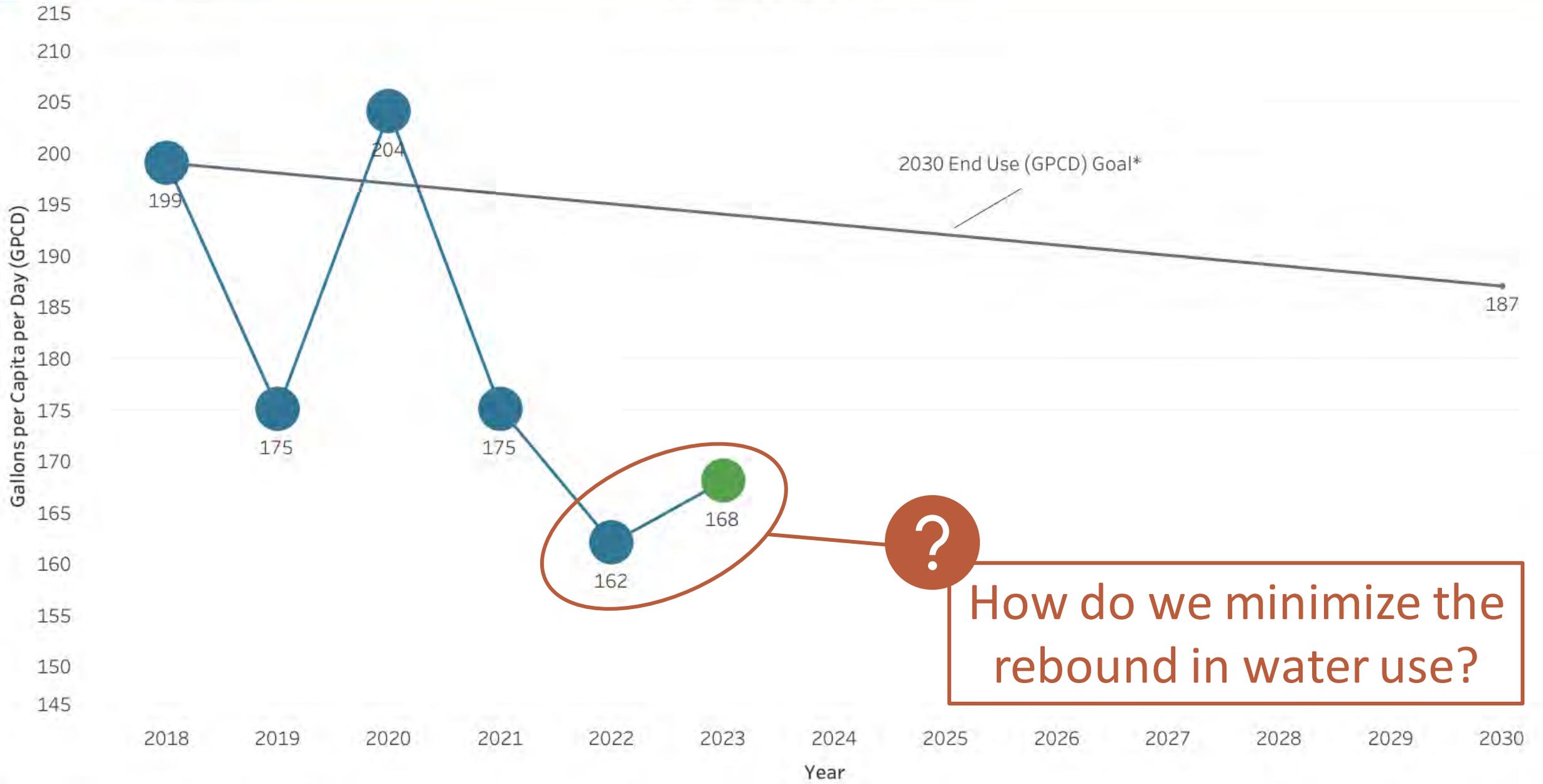
May 8, 2024

# Minimizing the Water Use Rebound

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Standing Committee Reports -  
Conservation Update

# Annual End Usage per Capita



How do we minimize the rebound in water use?

\*2030 End Use (GPCD) Goal is 187 GPCD by 2030

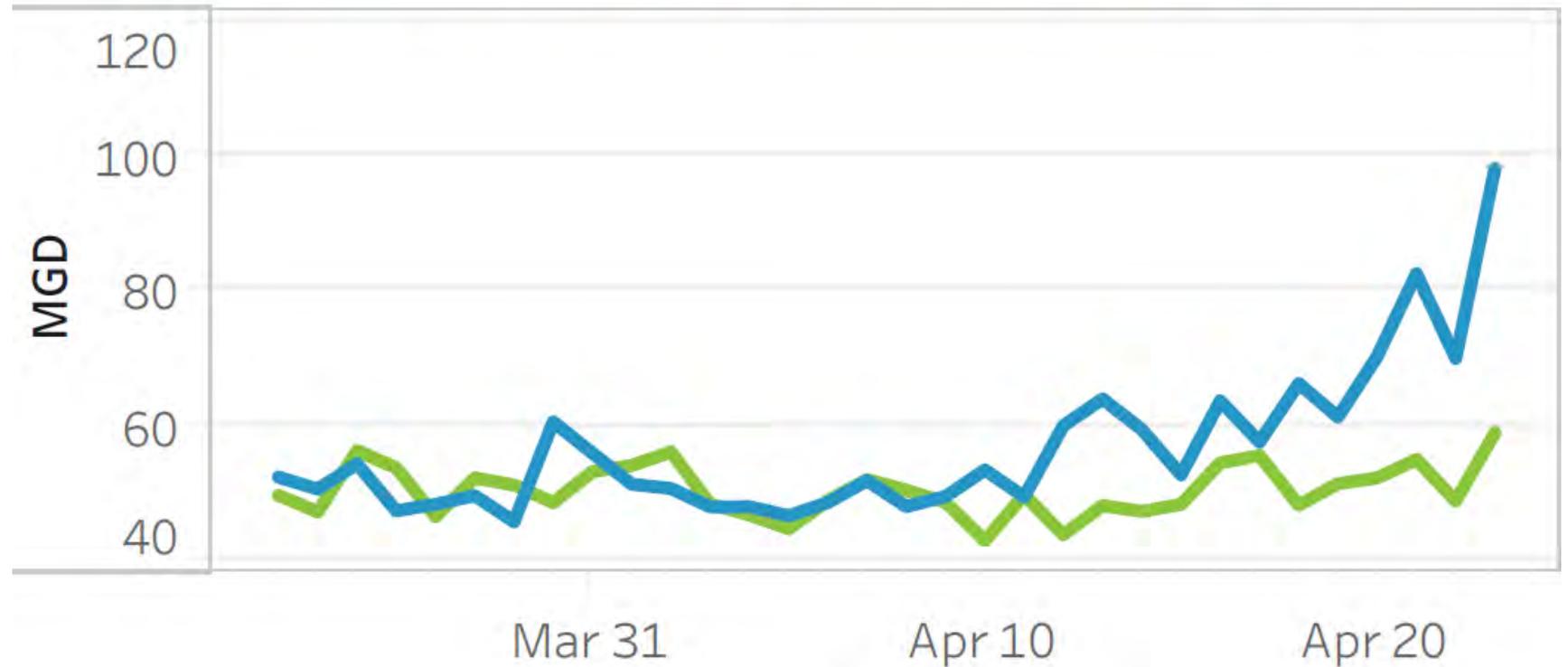


# “Real-Time” Monitoring

This year the  
Community  
Engagement  
Department will  
receive daily  
notifications of  
system demands.

## Average Daily Demand - Last 31 Days

Current Year: **98.19 MGD** vs Previous Year: **58.88 MGD**

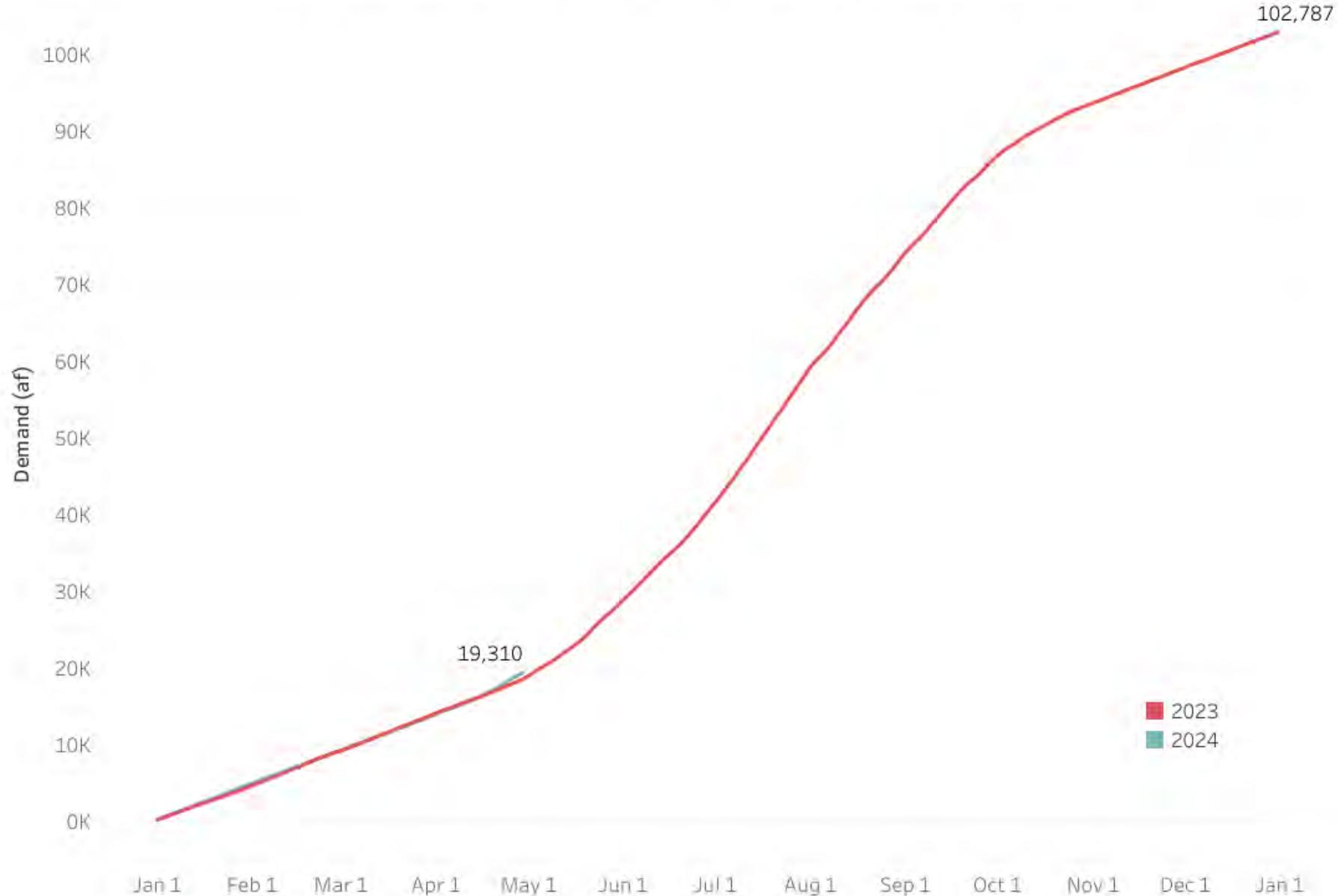




# “Real-Time” Monitoring

This year the  
Community  
Engagement  
Department will  
receive daily  
notifications of  
system demands.

Jordan Valley Water Conservancy District  
Running Total of Average Daily System Demand by Year (af): 2023 to 2024





# “Real-Time” Response

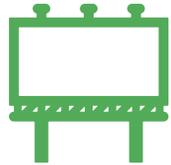
Action items from  
our April 22<sup>nd</sup>  
response meeting.



Immediately Launched a Social Media Campaign



Accelerated Radio Advertisements



Extended Slow The Flow Billboards



# Social Media

Launched a coordinated social media campaign with our Member Agency communications teams.

I DON'T KNOW WHO IN THE SALT LAKE VALLEY NEEDS TO HEAR THIS BUT.....

## WAIT TO WATER YOUR LAWN.

SINCERELY,  CONSERVATION GARDEN PARK

### HOW DO I WAIT TO WATER?

-  Use a hose to water new plants manually & separate from the rest of your yard, so you can keep your sprinklers off.
-  Waiting to water your lawn will help it grow deeper roots which makes it more resilient during summer.
-  Raise your mower deck & blades to keep your grass about 3-4" tall through Spring. This will keep more moisture in the soil and your grass greener, longer.
-  Watch the forecast for rain and let nature do the work for you. Keep your sprinklers off until Mother's Day.

### WHY WAIT TO WATER?

-  We've had normal precipitation & there's rain in the forecast, too! We don't need to water until Mother's Day.
-  Soil moisture levels are high. Even if temperatures are warm, the soil (near plant roots) is moist.
-  Roots of established plants, shrubs and trees can access water that is deep down in the soil.
-  We'll need water during the hotter months, and in the future when there's a drought, so we need to conserve what we have now.

Join our **FREE** classes to learn about waterwise gardening & irrigation in Utah.

[conservationgardenpark.org/events](http://conservationgardenpark.org/events)



# Radio Ads

Accelerated the  
timeline for our  
Radio Ads.





# Billboards

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Worked with Slow the Flow to extend the billboard run time.





**JORDAN VALLEY WATER**  
CONSERVANCY DISTRICT

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

## ANNEXATION AGREEMENT PRINCIPLES

- Page 4:** Demand for all lands in annexed area is projected at time of annexation (“Annexed Property Water Allocation” or “APWA”)
- Pages 4-5:** Base budget is based on number of developable acres (1.35 ac-ft per acre)
- Page 5:** Describes Projected Demand – which is the Annexed Property Water Allocation plus the outdoor irrigation demand
- Pages 5-7:** Provides methods of addressing Excess Demand (where APWA exceeds base budget)
- Augmentation through landscaping limits in development (40% of Projected Demand)
  - Providing water resources (water rights or shares)
  - Pay per acre foot in lieu of water development charge
  - Alternative benefit to District
- Page 8:** Reporting and periodic evaluation of actual use
- Compliance plan if actual use exceeds or projected to exceed APWA
  - Notice of change to development plans
- Page 10:** Reconciliation process
- Page 11:** Applicant obligations to District
- Installation of meters
  - Water efficiency standards (installation of front yard landscaping)
- Page 12:** Multiple Landowners and successor in interest
- Page 13:** Applicant obligations to member agency

## ANNEXATION AGREEMENT TO SERVICE AREA OF JORDAN VALLEY WATER CONSERVANCY DISTRICT

THIS ANNEXATION AGREEMENT (this “Agreement”) is made and entered into effective as of \_\_\_\_\_, 2024 (the “Effective Date”), by and among JORDAN VALLEY WATER CONSERVANCY DISTRICT, a Utah special district (the “District”); \_\_\_\_\_ (the “Applicant”); and \_\_\_\_\_, a Utah municipal corporation (the “Member Agency”). The District, the Applicant and the Member Agency are, from time to time, hereinafter referred to individually as a “Party” and collectively as the “Parties.”

### RECITALS

- A. The District delivers culinary water on a wholesale basis to the Member Agency, under, and pursuant to the terms and conditions of, one or more water supply contracts between the District and the Member Agency (collectively, the “Water Supply Contract”).
- B. The Member Agency sells and distributes such delivered culinary water to retail water customers situated within the Member Agency’s municipal boundaries.
- C. The District’s boundaries are substantially coterminous with the collective boundaries of its member agencies, including the Member Agency, to which the District has contractual obligations to deliver water. The delivery of District water to unserved lands requires that such lands be annexed into the boundaries of both a member agency and the District.
- D. The Applicant has submitted to the District, either individually or jointly with others, an annexation petition (the “Annexation Petition”), requesting annexation of certain real property into the District. Included in the Annexation Petition is certain real property owned by the Applicant, as more particularly described in Exhibit A attached hereto, and depicted on Exhibit B, attached hereto, consisting of \_\_ acres of land (the “Annexed Property”), into the District for the purpose, among others, of qualifying such real property for culinary water service.<sup>1</sup> The Applicant has also either submitted an annexation petition to the Member Agency for the same Annexed Property or has completed the process to have the Annexed Property annexed into the Member Agency’s boundaries.
- E. Prudent and responsible management requires that the District carefully balance the District’s existing and anticipated future wholesale water delivery obligations to its member agencies, with the District’s finite existing and anticipated reliable future water sources. In addition, District policies encourage water use practices designed to conserve water and reduce both water deliveries and water depletion in support of other beneficial

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<sup>1</sup> If the Annexation Petition included real property not owned by the Applicant or Applicants signing this Agreement, the terms and conditions of this Agreement shall apply solely to such Applicants and the Annexed Property, as more particularly provided in Section 9 below.

uses of water, including preservation of the natural environment.

- F. The District, acting pursuant to its authority under Utah Code Annotated (UCA) §17B-1-401 *et seq.*, and UCA § 17B-2a-1001 *et seq.*, in furtherance of promoting water conservation and development and its water resource planning policies, goals, objectives, resolutions, and regulations, has made certain determinations with respect to the proposed annexation, and in the exercise of its discretion has elected to approve the annexation of the Annexed Property into the District, subject to the express terms and conditions of this Agreement.
- G. The Applicant acknowledges and agrees that the availability of District water through the Member Agency's retail distribution system will provide certainty to the proposed development of the Annexed Property, and that the terms and conditions of this Agreement are reasonable and necessary to assure the District's ability to provide such water to the Member Agency.
- H. The District's Board of Trustees has authorized the execution of this Agreement by Resolution \_\_\_\_\_.

**NOW, THEREFORE**, for and in consideration of the premises, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Parties do hereby agree as follows:

**SECTION 1. RECITALS.** The Recitals set forth above are incorporated herein as part of this Agreement.

**SECTION 2. PURPOSE OF AGREEMENT.** District policy requires that, prior to and as a condition of annexing new property into the District, the District must be assured of the maximum future water demand of such new property in order to assess and provide for the District's ability to meet such demand. The purpose of this Agreement is to identify the maximum volume of water required to be supplied by the District to the Member Agency to serve the Annexed Property following annexation, to confirm the availability of sufficient water to meet such demand, to provide for the supplementation of the District's current water supply, if applicable, and to set forth the conditions upon which the District agrees to annex the Annexed Property and provide drinking water to the Member Agency to serve the Annexed Property.

**SECTION 3. CONDITIONS PRECEDENT.** The District and the Applicant agree, understand and acknowledge that this Agreement is made in conjunction with the annexation of the Annexed Property into the service boundaries of the District and that, but for this Agreement, the District would not be able to commit to providing water to the Member Agency in support of development of the Annexed Property.

**SECTION 4. TERM.** This Agreement shall become effective as of the Effective Date, and shall continue in full force and effect for as long as District water is delivered to the Member Agency for the purpose of providing water to the Annexed Property, which is expected to be for a perpetual period.

**SECTION 5. ANNEXATION.**

- A. Contemporaneous with the approval of this Agreement, the governing body of the District has made the following factual findings and determinations with respect to the Annexed Property:
1. The Annexed Property is located within the area identified by the District for anticipated annexation into the District's service area.
  2. The Annexed Property is presently included within the boundaries of the Member Agency.
  3. The Annexed Property is not located within the boundaries of a project area described in a project area plan adopted by the military installation development authority under Title 63H, Chapter 1, Military Installation Development Authority Act.
  4. The Annexed Property is not located within the boundaries of another special district that provides the same wholesale water service as the District.
  5. Annexation of the Annexed Property into the District will not create or leave any islands or peninsulas of un-annexed property that will not receive retail water service from the Member Agency.
  6. The Annexation Petition complies with Utah Code Code § 17B-1-403(1)(a)(ii) to initiate the annexation process requiring owners of private real property located within the areas to be annexed covering at least 10% of the total private land area to be annexed sign the petition and that the land is equal in assessed value to at least 10% of the assessed value of all private land within the Annexed Property.
  7. The petition has been signed by owners of real property located within the Annexed Area covering at least 75% of the total private land areas within the entire areas proposed to be annexed and is equal in assessed value to at least 75% of the assessed value of all private real property within the entire area proposed to be annexed.
- B. Based on the foregoing findings and determinations the District has, contemporaneously herewith, and pursuant to the Annexation Petition filed by the Applicant, and in accordance with the authority granted by statute, adopted a Resolution of Annexation annexing the Annexed Property into the District. The Annexed Property shall be subject to the terms and conditions of this Agreement.
- C. The Applicant understands and acknowledges that by entering into this Agreement the Annexed Property will be benefitted by the availability of District water through the Member Agency, and the Annexed Property shall

be subject to any user fees imposed by, and applicable property and other taxes levied by, or for the benefit of, the District. The Applicant agrees to timely pay all such applicable user fees and property taxes.

## **SECTION 6. WATER AVAILABILITY.**

- A. **Increased Water Supply.** Upon compliance by the Member Agency and the Applicant with the terms of this Agreement, the District agrees to make available to the Member Agency, under either a supplement to the Member Agency's existing Water Supply Contract or under an additional Water Supply Contract, an amount of water for residential, commercial and industrial use required to support development of the Annexed Property, which amount shall be determined as provided in this Agreement, and which amount shall be referred to herein as the "**Annexed Property Water Allocation.**" The District's obligation to supply the Annexed Property Water Allocation to the Member Agency shall be conditioned upon compliance by the Member Agency and the Applicant (including the Applicant's heirs, successors and assigns) with the terms and conditions of this Agreement, and shall be in *pari passu* with all other delivery obligations of the District under any and all agreements, including future agreements, with the Member Agency, and in accordance with the District's rules and regulations for wholesale water service priority, as the same may be amended from time to time by the District. By way of example and not limitation, during times of water shortage the Annexed Property Water Allocation shall be subject to reduction on the same basis as all other quantities of water with the same priority supplied by the District to the Member Agency. This Agreement does not constitute or create an obligation on the part of the District to supply water to the Annexed Property. The District's sole obligation shall be to increase the amount of water to be supplied to the Member Agency in an amount equal to the Annexed Property Water Allocation, and deliver such Annexed Property Water Allocation to the Member Agency in accordance with the terms of the supplemented Water Supply Agreement or new agreement. The Member Agency is solely responsible for the distribution to its customers, including the Applicant, of water supplied to it by the District, and the District does not represent, warrant or guarantee that the Applicant will receive the full amount of the Annexed Property Water Allocation.
- B. **Base Water Budget.** The District has periodically conducted studies to evaluate its ability to meet potential water demand within its then current and projected future service area with its then current and anticipated future sources of reliable water supply. The most current of these District-wide studies projects that the District is able to supply 1.35 acre-feet of water for each acre of land within the District's current and projected future service area with a slope of 30 degrees or less (each a "**Developable Acre**"). The evaluation of each petition to annex into the District requires the establishment of a water budget for the land proposed to be annexed, based on a budget of 1.35 acre-feet of water for each Developable Acre within the proposed annexed land (the "**Base Water Budget**").
- a. The Applicant has certified to the Member Agency and the District that the

Annexed Property includes \_\_\_ acres of Developable Land. The Base Water Budget for the Annexed Property, rounded up to the next whole number, is therefore \_\_\_ acre-feet of water (\_\_\_ acres x 1.35 acre-feet = \_\_\_ acre-feet).

C. Projected Demand. In connection with its Annexation Petition, the Applicant has certified to the District that the total projected water demand for all uses within the Annexed Property, based on the land use plan or development agreement submitted to and approved by the Member Agency (the “**Projected Demand**”), is \_\_\_ acre-feet of water. Projected Water will be rounded up to the next whole number. The Projected Demand includes (i) all water uses by all water users within the Annexed Property, including indoor and outdoor uses for parks, schools, and churches, and (ii) water from all sources, including but not limited to the District. The Applicant’s calculations of Projected Demand are set forth in Exhibit D attached hereto. Such calculations have been prepared by the Applicant’s engineer, and are based on, among other things, the Member Agency’s system-wide minimum sizing standards established for the Member Agency by the Utah Division of Drinking Water pursuant to UCA Section 19-4-114 or other standards acceptable to the Division of Water Drinking Water.

D. Balancing of Supply and Demand. Based on the District’s Base Water Budget of \_\_\_ acre-feet, and the Applicant’s Projected Demand of \_\_\_ acre-feet, there exists in connection with the Annexed Property:

A water deficit, or excess Projected Demand over the Base Water Budget (an “**Excess Demand**”), of \_\_\_ acre-feet of water; or

A water surplus, or excess of Base Water Budget over Projected Demand (“**Surplus**”), of \_\_\_ acre-feet of water.

Annexation was approved by the District on the condition that any Excess Demand be eliminated through one or more of the measures set forth in this Agreement. Accordingly, if an Excess Demand exists, the Applicant agrees to one or more of the measures set forth below, as indicated.

1. Augmented Water Budget. The Applicant hereby agrees to meet the 40% Limitation and Return Flow requirements described below, in exchange for which the District agrees to approve an augmented budget (the “**Augmented Water Budget**”) that supplements the Base Budget of 1.35 acre-feet per Developable Acre by an additional .15 acre-foot per Developable Acre. Upon approval of the Augmented Water Budget, the District shall reduce the Excess Demand accordingly as described in Exhibit E, attached hereto.

40% Limitation and Return Flow.

a. 40% Outdoor Use Limitation. In addition to the Water Efficiency Standards (defined below) no more than 40% of all water used within the Annexed Property, regardless of the water source, will be used outdoors on and after Substantial Buildout (defined below). Based on Projected

density, no more than \_\_\_ acre feet of water will be used for outdoor irrigation on and after Substantial Buildout. The Applicant agrees to install meters measuring all outdoor water use as required by the Member Agency and to provide a report to District, no less frequently than annually, describing, since the prior report was made:

- (i) the number of acre-feet of water devoted to outdoor use on lands within the Annexed Property;
- (ii) the number of additional acres of land developed with lawn and are irrigated by above ground spray irrigation; and
- (iii) the number of additional acre of land developed with planter beds and irrigated by drip irrigation.

- b. Return Flow Commitment. The Member Agency and the Applicant each acknowledge and agree that, as a condition of Applicant receiving the augmentation described in this paragraph D.1., all return flows entering the public sewer system from the Annexed Property belong to the District, and the District is solely entitled to control the disposition and use such return flows.
- c. The additional 0.15 acre-feet of water per acre described in this paragraph D.1. is available only so long as the Applicant complies with subparagraphs A. and B. Uncured non-compliance shall result in reversion to the Base Water Budget, recalculation of whether there is Excess Demand, and the requirement for the Applicant to adopt and implement one or more of the remedies described in paragraphs D.2., D.3., or D.4.

[ ] 2. Applicant to Provide Additional Water Rights.

- a. The Applicant agrees to convey to the District the water rights, and/or shares in mutual irrigation companies described in Exhibit E, attached hereto. The water rights and/or water shares to be conveyed to the District have been preliminarily approved by the District.
- b. Acceptance by the District of such water rights and/or water shares may be conditioned upon, at the determination of the District, the issuance of all required approvals by the Utah State Engineer and the mutual irrigation companies issuing the shares, including any required change applications, in amounts and upon conditions acceptable to the District. Such a condition, if required, shall be communicated to the Applicant by the District in writing within 30 days after the water rights or shares have been placed in the District's name. The Applicant shall then be granted a credit against the Excess Demand in the amount of the diversion volume approved by the State Engineer.

- c. For each water right or water share conveyed to the District, the Applicant shall provide to the District an affidavit of beneficial use, in form and substance satisfactory to the District.
  - (i) Water Rights shall be conveyed to the District by warranty deed together with a water rights deed addendum and, at the discretion of the District, a policy of title insurance insuring valid and marketable title in the name of the District.
  - (ii) Water shares shall be conveyed to the District by an Assignment and Bill of Sale, in form and substance acceptable to the District, that includes language warranting title.
- d. The District will not make additional water available to the Member Agency under this subparagraph D.2. and credits against the Excess Demand shall not be recognized, until any required approvals have been issued and the water rights and shares have been duly conveyed to the District.

[ ] 3. Secondary Sources. If secondary, non-culinary water service is available within the Annexed Property from sources that are not provided by the District to the Member Agency, the Applicant shall obtain or arrange for such secondary water service to meet the needs of outdoor water use within the Annexed Property. The volume of secondary water to be delivered to the Annexed Property under the Applicant's contractual arrangement shall be credited to the Excess Demand, as shown on Exhibit E, attached hereto, so long as such contract remains in force and effect and secondary water is available to be delivered to the Annexed Property. Applicant agrees to install meters that measure all secondary water use within the Annexed Property, the District shall be entitled to receive reports of such metered usage, and the Applicant shall report its usage to the District no less frequently than annually for so long as the Applicant owns the property where such water is used.

[ ] 4. Applicant to Pay In Lieu of Water Development Charge. If, after the application of credits available under subparagraphs 1, 2 and 3 above, any Excess Demand still remains, the Applicant shall pay to the District an in lieu of water development charge for each acre-foot of any remaining Excess Demand. The in lieu of water development charge shall be assessed based on the District's rate in effect at the time the payment is made. The in lieu of water development charge in effect on the Effective Date of this Agreement is \$ \_\_\_\_\_ per acre-foot. The in lieu of water development charge under this subparagraph is calculated and set forth on Exhibit E, attached hereto, and is due and payable within 60 days after the effective date of this Agreement.

E. Water Use Evaluations.

- 1. Periodic Reporting. The Member Agency shall deliver to the District a report detailing the total water usage from all sources within the Annexed Property. Such

report shall be in a format, shall include such information and detail, and shall be prepared and delivered to the District, at such intervals, as shall be provided in the Water Supply Agreement.

2. Periodic Evaluation. The District shall, on a regular basis, but not less frequently than once every three (3) years prior to Substantial Buildout (as defined below), and not less frequently than once every 12 months after Substantial Buildout but limited to the duration that new construction is still being conducted, with the participation and assistance of the Applicant and the Member Agency, conduct an evaluation of water usage<sup>2</sup> within the Annexed Property (each an “**Evaluation**”), for the purpose, among others, of determining:
  - a. Whether the use of water within the Annexed Property for current and projected future development is consistent with the terms and projections of this Agreement, including the Annexed Property Water Allocation and the Projected Demand;
  - b. Whether the unused balance of the Annexed Property Water Allocation is sufficient to provide for the remainder of the project within the Annexed Property; and
  - c. The effect, if any, on the Projected Demand, of any proposed or adopted changes to the Member Agency’s development approvals for the Annexed Property.
3. Compliance Plan. If an Evaluation demonstrates, in the reasonable determination of the District, that water use within the Annexed Property exceeds, or is projected to exceed, the Annexed Property Water Allocation, the Applicant shall prepare a plan (a “**Compliance Plan**”), for review and approval by the District, demonstrating how the current and future projected water use imbalance will be corrected. Such plan shall be and become binding on the Applicant and the Member Agency.
  - a. A Compliance Plan may, at the election of the Applicant and with the approval of the District, include one or more of the measures described in Section 6.D above, and may include such other actions as the Parties may mutually agree upon to address the difference between actual and projected water use and the then remaining balance of Annexed Property Water Allocation.
  - b. Nothing in this paragraph shall commit or obligate the District to accept or agree to a proposal or Compliance Plan that requires the District to increase the Annexed Property Water Allocation. An increase in the Annexed Property Water Allocation shall be within the sole discretion of the District, taking into account the availability of additional water sources, the reliability of such

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<sup>2</sup> For purposes of calculating water usage under this paragraph, and paragraph G relating to Reconciliation, water usage shall include all metered deliveries, plus water delivery losses, as reasonably determined by the District in consultation with the Member Agency.

sources, the District's water treatment, storage and delivery capacity, other than current and anticipated future commitments, then current District policies, and other relevant factors. In the exercise of such discretion, the District will not thereby incur or be subject to any liability, obligation, penalty, or consequence of any kind to an Applicant, the Member Agency or any other person or entity.

c. If a Compliance Plan is required by this paragraph and has not been approved by the District at any time after Substantial Buildout, the District may:

(i) Request that Member Agency refuse to issue additional building permits until a Compliance Plan is approved; or

(ii) Seek a judicial remedy, including but not limited to equitable relief, that will not be opposed by Applicant, to halt the commencement of additional new construction until a Compliance Plan is approved.

4. 40% Limitation. If an Augmented Water Budget has been approved that incorporates the provisions of paragraph D.1. and an Evaluation reasonably demonstrates that outdoor use of water does, or is expected to, exceed 40% of the total water delivered to the Annexed Property, the Applicants shall prepare a Compliance Plan, for review and approval by the District, demonstrating how current and future outdoor water use will be modified so that not more than 40% of the total water deliveries to the Annexed Property are used for outdoor purposes.

F. Changes to Development Plans. If, at any time during the term of this Agreement, the Applicant, desires to change the density or other characteristics of the development proposed for the Annexed Property, the Applicant or Applicants and the Member Agency shall provide written notice of such proposed change to the District prior to approval of such change by the Member Agency. Such notice shall calculate the anticipated change in water demand, if any, occasioned by the change in development plans. If the District reasonably concludes that such changes will result in an increased Projected Demand, and subject to paragraph E.3.b. of this section, the District shall recalculate Projected Demand and Excess Demand, if any, and the District and the Applicant shall work together to eliminate such Excess Demand in the manner set forth in paragraph 6.D., with any potential increase in the Annexed Property Water Allocation being subject to the provisions of such paragraph 6.D..

G. Reconciliation. If Substantial Buildout occurs within fifteen (15) after the Effective Date the District shall, at the written request of the Applicant<sup>34</sup> delivered

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<sup>3</sup> The right of Reconciliation does not automatically pass to a successor or Assign of the Applicant. Applicant may assign its right to Reconciliation to a successor in interest, but only if it does so in writing and provides a copy of such writing to the District within 90 days of making the assignment.

<sup>4</sup> If the Applicants have identified a Designated Individual under Section 9 to manage the Annexed Property Water Allocation, the right to Reconciliation described in this paragraph may only be exercised by the Designated Individual or a successor in interest to the Designated Individual in accordance with footnote 5.

to the District within six (6) months after Substantial Buildout, commence an Evaluation of water usage within the Annexed Property over a period of five (5) years, beginning on the date of receipt of the written request (the “**Reconciliation Period**”). At the end of the Reconciliation Period, the District shall compare the average annual water use within the Annexed Property during the Reconciliation Period (the “**Actual Use**”), with the Annexed Property Water Allocation. If the Annexed Property Water Allocation exceeds the Actual Use by 20% or more, and if an Applicant has paid an in lieu of water development charge or conveyed water rights or shares to the District pursuant to paragraph 6.D.2. or 6.D.4., the Applicant may be reimbursed for a portion of such water rights, shares or development charge, as provided below.

1. If the Applicant has conveyed water rights or shares to the District, the District shall grant to the Applicant water credits (“**Water Credits**”), in an amount equal to the Reconciliation Excess (defined below). The Water Credits may be used by the Applicant to satisfy water right delivery obligations of the Applicant to the District in connection with agreements similar to this Agreement anywhere within the District’s service area or they may be transferred to another person with a project within the District’s service area who has an agreement similar to this Agreement; provided that such Water Credits must be so used within a period of ten (10) years after the date of issuance. If any Water Credits are not used within such ten (10) year period, they shall expire, without compensation to the Applicant or any transferee of the Applicant.

2. If the Applicant actually paid a water development charge to the District, a portion of such water development charge, without interest, shall be refunded to the Applicant in proportion to the Reconciliation Excess. For purposes of this paragraph, the “Reconciliation Excess” shall be that portion of the Annexed Property Water Allocation that exceeds the Actual Use by more than 20%. By way of example, if the Annexed Property Water Allocation is 1,000 acre-feet of water, and the Actual Use is 750 acre-feet, the Reconciliation Excess shall be 100 acre-feet ( $750 \times 1.20 = 900$ ;  $1,000 - 900 = 100$ ).

3. If Substantial Buildout occurs after the 15 year anniversary of the Effective Date, no reconciliation shall be performed, and no credits or refunds shall be due under this paragraph.

H. **Substantial Buildout.** For all purposes of this Agreement, “Substantial Buildout” shall mean that point in time when construction of the improvements on substantially all of the Developable Acres within the Annexed Property has been completed in accordance with the development plans approved by the Member Agency, and when occupancy of such improvements exceeds 85% of capacity. When the Applicant desires that the District certifies the achievement of Substantial Buildout, the Applicant shall so notify the District in writing, which notice shall include all information necessary for the District, together with the assistance of the Member Agency, to verify that Substantial Buildout has occurred. Substantial Buildout shall be deemed to occur effective as of the date

on which the District formally certifies the same, based on the Applicant's submittals and the assistance of the Member Agency.

- I. Treatment of Surplus. If paragraph 6.D. shows Surplus water associated with this Agreement, Applicant is not entitled to claim the use of such Surplus within the Annexed Lands or elsewhere and there is no credit, payment, reward, or other incentive due to the Applicant from either the District or the Member Agency, provided that if an Evaluation identifies the need for additional water beyond what is available in the Annexed Property Water Allocation, a remedy described in paragraph 6.D. is not required so long as the Compliance Plan does not create Excess Demand.

**SECTION 7. APPLICANT'S ADDITIONAL OBLIGATIONS TO DISTRICT .** The District's obligation to make water available to the Member Agency under Section 6 above in the amount of the Annexed Property Water Allocation is subject to the Applicant's continued compliance with the following conditions:

- A. Adherence to Development Agreement. The Applicant shall plan, design and construct all development within the Annexed Property in accordance with any development agreement with the Member Agency and in a manner that ensures:
  1. The total amount of water use within or provided to the Annexed Property for all purposes, including water lost to leaks or other non-metered deliveries and for both indoor and outdoor use, will not exceed the Annexed Property Water Allocation.
  2. If the Applicant has an Augmented Water Budget that incorporates the provisions of Section 6.D.1., the portion of the Projected Water Demand used for outdoor use on an annual basis does not exceed \_\_\_ acre-feet.
- B. Meters. Water meters shall be installed by Applicant for all water delivered by the Member Agency for use within the Annexed Property. As required by the Member Agency the Applicant shall install separate water meters for indoor and outdoor use.
- C. Water Efficiency Standards. The Applicant agrees to comply with the District's then adopted outdoor water efficiency standards in effect at the time new landscaping is installed in the Annexed Property. The District's current water efficiency standards are attached hereto as Exhibit C. Notwithstanding the foregoing, any new construction in the Annexed Property shall comply with the more restrictive of (i) the District's water efficiency standards, (ii) the Applicant's commitments under this Agreement with respect to an approved Augmented Water Budget, or (iii) all applicable Member Agency ordinances, rules and regulations, and applicable state law, as the same may change from time to time. The forgoing commitments apply to all water used within the Annexed Property, regardless of source.
  1. If the District's water efficiency standards expressly conflict with the landscaping standards adopted by the Member Agency, an Applicant may install landscaping in accordance with the Member Agency's standards, provided that

the amount of water required to be delivered to the landscaped area and consumed by such landscaping after application of the water to the landscaped area may not exceed the lesser of the amounts:

- (a) described in this Agreement; or
- (i) (b) that would have been delivered or consumed using the District's then adopted water efficiency standards.

2. If an Applicant believes that District's water efficiency standards expressly conflict with standards adopted by the Member Agency, the Applicant shall provide written notification of the conflict to the District. The District will work with the Member Agency to determine if an express conflict exists and how to best address the conflict.

3. The water efficiency standards include an exemption from the amount of lawn allowed in commercial, industrial and institutional settings if the lawn is used as part of an active recreation area. Whether a particular portion of landscaping qualifies as an active recreation area will be determined by the Member Agency or, for the portion of the Annexed Property owned by Jordan School District at the time of development, by the school district. Any decision that landscaping does or does not qualify as an active recreation area does not change the amount of water available for outdoor use, the Annexed Property Water Allocation or the Demand Projections associated with such land, all as described and defined in this Agreement.

(4)

#### **SECTION 9. MULTIPLE LANDOWNERS.**

If the Annexed Property is owned by multiple annexation applicants:

[ ] Each landowner signing this Agreement may enter into its own, separate, sub-agreement that contains individualized terms, including Projected Demand, Base Water Budget, Excess Demand and resolution of Excess Demand for each owner. In such event, the agreements, commitments and undertakings of the Applicant hereunder shall apply to that portion of the Annexation Property owned by the Applicant.

[ ] All Landowners signing this Agreement shall designate a single individual to act on their behalf to allocate the Base Water Budget, Excess Demand and the resolution of Excess Demand and to provide required reports to the District. By so doing, a property owner agrees not to commence development on its respective land until the designated individual has:

1. Identified, in writing, the amount of water that will be devoted to such construction, including the number of acre-feet of water and the number of acres of land that will use overhead spray for lawn and the number of acres that will use drip irrigation for planter beds; and
2. Provided a copy of the statement to the District and the Member Agency with a certification that the amount of water so identified has been deducted from the Projected Demand and the Annexed Property Water Allocation, as applicable, and will not be made

available for any other landowner.

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**SECTION 10. APPLICANT'S OBLIGATIONS TO MEMBER AGENCY.**

A. Member Agency Responsible for Delivery. The District does not delivery culinary water directly to the Annexed Property and is not responsible for approval or oversight of the retail storage, delivery or billing of culinary water to the Applicants.

B. Compliance with Member Agency Infrastructure Requirements. Nothing in this Agreement supersedes or replaces the Applicant's obligations to the Member Agency relating to the installation or construction of water infrastructure in accordance with the Member Agency's ordinances or rules, or an agreement between the Applicant and the Member Agency, including but not limited to:

1. The extension of necessary utilities needed for the proposed development, including installation of water meters or fire hydrants.
2. The submission and approval of plans to extend any utilities for approval before starting construction.
3. The construction or dedication of water lines or other water related infrastructure serving the Annexed Property, such as tanks, reservoirs, vaults, or valves, in accordance with standards adopted by the Member Agency.
4. The use of, and approval of plans for, traffic control during construction.
5. Any applicable warranty or guarantee associated with installed improvements.
6. Any applicable application or inspection fees or costs, or bonding to ensure completion of improvements.
7. Compliance with all legally adopted ordinances, resolutions and policies involving culinary water service.
8. The size, type, and location of any culinary water meter.
9. The payment and timing of payment of any applicable expenses incurred by the Member Agency in reviewing development plans or proposals or the payment of any impact fee or exaction.
10. The inspection of water infrastructure or landscaping as it is installed.

**SECTION 11. MISCELLANEOUS PROVISIONS:**

A. Headings. The descriptive headings of the paragraphs of this Agreement are for convenience only and shall not control or affect the meaning or construction of any provision of this Agreement.

a. B. Authority. The Parties to this Agreement represent to each other that they have full power and authority to enter into this Agreement and that the persons signing this Agreement have the authority to act on behalf of their respective entity or organization. The Applicant represents and warrants that it is a duly organized and validly existing entity under the laws of the State of Utah. The Applicant, the District, and the Member Agency warrant to each other that the individuals executing this Agreement on behalf of the respective Parties are authorized and empowered to bind the Parties on whose behalf each individual is signing. The Applicant represents to the District that by entering into this Agreement, the Applicant has bound itself, and all persons and entities having any current or future legal or equitable interest in the Annexed Property, to the terms of this Agreement.

C. Entire Agreement. Unless otherwise noted herein, this Agreement, including Exhibits, supersedes and replaces any previous annexation agreements entered into by and between the Applicant and the District involving the same Annexed Property for inclusion within the boundaries of the District and is the entire, complete Agreement between the Parties with respect to the subject matter described herein.

D. Amendment of this Agreement. This Agreement may not be amended, in whole or in part, except by the mutual written consent of the Parties to this Agreement or by their successors in interest or assigns. Any such amendment to this Agreement shall be recorded in the official records of the Salt Lake County Recorder's Office.

E. Severability. If any of the provisions of this Agreement are declared void or unenforceable, such provision shall be severed from this Agreement, which Agreement shall otherwise remain in full force and effect.

F. Governing Law. The laws of the State of Utah shall govern the interpretation and enforcement of this Agreement. The Parties agree that the venue for any action commenced in connection with this Agreement shall be proper only in a court of competent jurisdiction located in Salt Lake County, Utah, and the Parties hereby waive any right to object to such venue.

G. Remedies. If any Party to this Agreement breaches any provision of this Agreement, the non-defaulting Party shall be entitled to all remedies available at both law and in equity.

H. Attorney's Fees and Costs. If any Party brings legal action either because of a breach of the Agreement or in order to enforce a provision or term of this Agreement, the prevailing Party shall be entitled to recover reasonable attorney's fees and court costs.

I. Binding Effect. The benefits and burdens of this Agreement shall be binding upon and shall inure to the benefit of the Parties hereto, and their respective heirs, legal representatives, successors in interest and assigns, including all successor owners of the Annexed Property, subject to any conditions or limitations specifically described in this Agreement. The Agreement shall be incorporated by reference in any instrument purporting to convey an interest in any portion of the Annexed Property. The terms of this Agreement and the obligations of the Applicant hereunder shall be binding upon all present and future owners of

the Annexed Property and shall be appurtenant to, and shall run with, said land.

J. Third Parties. There are no third-party beneficiaries to this Agreement, and no person or entity not a Party hereto shall have any right or cause of action hereunder.

K. No Agency or Partnership Created. Noting contained in this Agreement shall be construed to create any partnership, joint venture, or agency relationship between the Parties.

b. L. Recording. Upon execution, this Agreement shall be recorded in the official records of the Salt Lake County Recorder.

IN WITNESS HEREOF, this Agreement has been entered into by and between the Applicants, the City, and the Concurring Parties as of the date and year first above written.

APPLICANTS

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By:

Its:

DISTRICT

Jordan Valley Water Conservancy District, a  
Utah special district

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By:

Its:

MEMBER AGENCY

\_\_\_\_\_, a Utah municipal corporation

Attest:

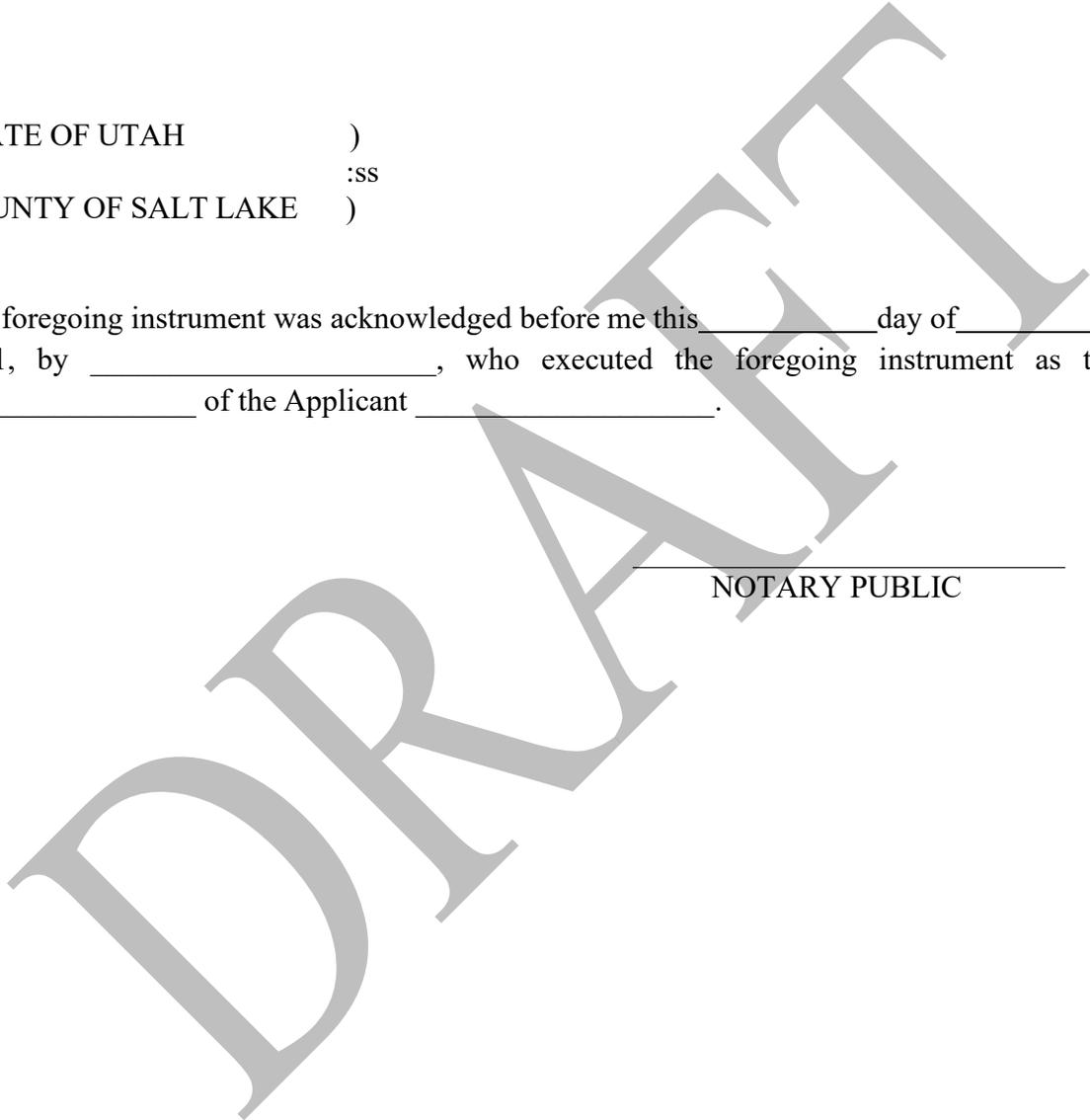
\_\_\_\_\_  
By:  
Its:

\_\_\_\_\_  
City Recorder

STATE OF UTAH            )  
                                  :SS  
COUNTY OF SALT LAKE    )

The foregoing instrument was acknowledged before me this \_\_\_\_\_ day of \_\_\_\_\_, 2021, by \_\_\_\_\_, who executed the foregoing instrument as the \_\_\_\_\_ of the Applicant \_\_\_\_\_.

\_\_\_\_\_  
NOTARY PUBLIC



**Exhibit "A"**

**ANNEXATION PETITION**

**DRAFT**

**Exhibit “B”**

**MAP OF PROPOSED ANNEXED PROPERTY**

DRAFT



**Exhibit “C”**

**DISTRICT’S CURRENT WATER  
EFFICIENCY STANDARDS**

**DRAFT**

**Exhibit “D”**

**WATER DEMAND AND USE PROJECTIONS**

**Projections shall include the total expected volume of all water delivery demand for all uses in the Annexed Property based on the land use plan or development agreement approved by, or proposed by the Applicants to be approved by, the City for the Annexed Area. The demand shall be broken down by culinary and non-culinary water and by indoor use and outdoor use.**

**If the area to be served is owned by multiple individuals or entities, the projections shall also describe the area for each separate owner and the amount of the total water demand and culinary water demand attributable to that owner for both indoor and outdoor use.**

**The demand and use projections may be further broken down into an absorption schedule showing when certain volumes of water are expected to be needed.**

**DRAFT**

**Exhibit “E”**

**EXCESS WATER DEMAND SCHEDULE**

**This schedule shall show the times at which the property owner or owners are required to make the District whole from any Excess Demand. The schedule shall be amended as needed to ensure that Excess Demand culinary water is not provided to the area to be served by this agreement until either water rights have been conveyed to the District or the relevant water development charge is paid.**

DRAFT

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\_\_\_\_\_ CITY  
BLOCK 2 WATER PURCHASE AGREEMENT

This Agreement is made as of \_\_\_\_\_, 2024, by and between the Jordan Valley Water Conservancy District, a Utah special district (“District”), and \_\_\_\_\_ City, a Utah municipality (“Purchaser”).

RECITALS:

A. The District is a water conservancy district organized and existing under the laws of the State of Utah for the purposes, among others, of making water available to those inhabitants residing within its boundaries and of entering into contracts with public and private entities for the purchase and sale of water and its delivery;

B. Purchaser is a municipality organized and existing under the laws of the State of Utah, which provides retail water service to its customers/inhabitants within its designated water service area and which desires to purchase water from the District for that purpose;

C. The parties have previously entered into a separate Water Purchase Agreement and Petition which provides for Purchaser to meet the needs of its inhabitants who are eligible for District Block 1 water supplies in accordance with the District’s Rules and Regulations for Wholesale Water Service;

D. The parties enter into this Agreement to provide for the purchase of water by, and for the delivery of water to, Purchaser to meet the needs of its inhabitants that require

District Block 2 water supplies in accordance with the District's Rules and Regulations for Wholesale Water Service;

E. This water purchase agreement is intended to provide for the needs of the Olympia Hills development which will be located on lands being annexed into the District's service area. As a condition of annexation, development of the lands is required to conform to the District's water efficiency standards for new construction and Purchaser's related ordinances. The lands consist of approximately \_\_\_\_\_ acres situated as shown on Exhibit A (the "Lands"). The estimate of District Block 2 water supplies needed to support the ultimate build-out demands on these Lands using District's current water efficiency standards is \_\_\_\_\_ acre-feet ("Annexed Property Water Allocation"), as shown on Exhibit D ("Water Demand Table");

F. Water purchased under this Agreement may be used both indoors and outdoors but is intended for delivery only within Purchaser's potable water delivery system to meet the projected needs of the Lands, as more fully described in the Water Demand Table.

TERMS:

The parties agree as follows:

1. (a) The District hereby agrees to sell, and Purchaser hereby agrees to purchase, annually the amount of Block 2 water actually delivered to the Lands, including calculated unmetered use and losses, under the conditions and at the rates then applicable to Block 2 water supplies.

(b) Following the complete build out of the Lands, the maximum amount of Block 2 water Purchaser is authorized to deliver to the lands, including calculated unmeted uses and losses and without penalty, is up to but not exceeding \_\_\_\_\_ acre-feet per year (the “Block 2 Limit”). The Block 2 Limit includes an allowance of 10% in addition to the Annexed Property Water Allocation for the Lands as shown in the Water Demand Table.

(c) The Block 2 water shall be delivered by the District to the Purchaser in accordance with the terms of this Agreement, and at the points of delivery and within the Maximum Daily Flow Rates (Contract Capacity) set forth on attached Exhibit B.

(d) The Purchaser’s retail water distribution system is not physically segregated between areas where Block 1 water is delivered to end users and where Block 2 water is delivered to end users. Furthermore, the wholesale points of delivery shown on Exhibit B also provide Block 1 water deliveries to the Purchaser. For these reasons, all water delivered to the Lands through Purchaser’s potable water delivery system, regardless of the actual physical source of that water, shall be considered Block 2 water and shall be billed to Purchaser at the Block 2 rate and paid for in accordance with the terms of this Agreement.

(e) Measurement of the volume of Block 2 water deliveries will be made using the individual customer retail meters serving the Lands. Purchaser shall use its best efforts to ensure that all locations within the Lands where water is delivered or used are equipped with functioning accurate water meters.

(f) District will bill Purchaser for Block 2 water at the rates, and in accordance with, its Wholesale Water Regulations. Unless the Wholesale Water Regulation provide otherwise:

(i) During the calendar year, Block 2 water deliveries will be aggregated with Block 1 deliveries and paid for at the same rate as Block 1 water deliveries, including payment of any applicable pumping charge based on the meter location where the water is introduced into Purchaser's water system.<sup>1</sup>

(ii) By January 31<sup>st</sup> of each year, the Purchaser shall submit a report to the District identifying the monthly delivery of potable water during the preceding calendar year to each retail meter servicing properties on the Lands (the "Annual Report").

(iii) In addition to the metered deliveries of Block 2 water, District shall include in the Block 2 water deliveries a calculation of nonrevenue water, including leaks or other water loss, in proportion to the amount that nonrevenue water bears to revenue water for the entirety of Purchaser's water distribution system, based on the most recent reporting information available from the Utah Division of Water Rights or then current state agency responsible for collecting such information.<sup>2</sup>

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<sup>1</sup> District may still require Purchaser to provide usage data from all individual meters within the lands on a monthly or other periodic basis in order to evaluate Purchaser's water use under its existing Block 1 water purchase contract.

<sup>2</sup> For example, if Purchaser's report to the Division of Water Rights shows a total system loss for unmetered or lost water of 15%, and if Purchaser delivered 100 acre-feet of Block 2 water in the prior year, an additional 15 acre-feet

(iv) The District will make a final billing for Block 2 water deliveries, based upon the data in the Annual Report and the calculated amount of unmetered use and losses in the Purchaser's distribution system serving the Lands, by charging the difference between the Block 2 per acre foot rate that was in effect during the year and the Block 1 per acre foot rate, not including pumping charges, that was billed and paid by the Purchaser throughout the year.

(g) If Block 2 water deliveries, including unmetered use and losses, exceed the Block 2 Limit, Purchaser shall be billed for and shall pay for the excess Block 2 deliveries in accordance with and in the amounts provided for by the District's then existing rules and regulations for wholesale water service.

(h) If Purchaser provides non-potable water to the Lands, Purchaser shall ensure that each point where such water is delivered is equipped with a functioning and accurate water meter and shall include the total annual amount of water delivered through each of these irrigation meters as part of its Annual Report.

2. The District will provide Block 2 water in accordance with standards for public drinking water set by applicable law, including the Utah Division of Drinking Water and/or the Utah Drinking Water Board of the Department of Environmental Quality, except the District shall not be liable, or in breach of this Agreement, for failure to meet those standards unless that failure is due to the District's willful misconduct or gross negligence.

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of water would be calculated as having been delivered for the use of Block 2 users.

3. The amount of water delivered to Purchaser depends in large part on water made available to the District and, for that reason, the District is not a guarantor of the delivery of any water to Purchaser against drought, adverse claims, acts of God, the acts or omissions of other water supply entities from whom the District purchases water, or all other matters beyond its reasonable control. The District acquires water from multiple water sources, some of which are under the control of third parties which own and/or operate their own water facilities, and their failure to deliver water to the District shall excuse the District's failure to deliver water to Purchaser.

4. (a) The District's ability to deliver water to Purchaser depends, in part, on the capacity of available facilities, including, for example, reservoirs, pipelines, meters, and pump stations. Due to potential failures of equipment and infrastructure, the need of the District at its discretion to suspend service for construction, maintenance, inspection, and/or repairs, and due to limitations in water source and infrastructure capacities, the District is not a guarantor of delivery capacity to Purchaser.

(b) The allotment of contract capacity to Purchaser for both Block 1 and Block 2 water may serve, at the reasonable discretion of the District and pursuant to its interpretation and application of its policies, rules, and procedures as they may be amended periodically, to form the basis for the allocation of capacity among the District's various customers during capacity shortages.

(c) Should allocation of capacity among the District's customers be necessary, including peak demand periods and times of limited delivery capacity, and should the District's contractual capacity commitments be used in determining that

allocation, then Purchaser's ratable allocation may be based on its then-current contract capacity as set forth on Exhibit B.

(d) A change in the volume of District's Block 1 water deliveries to Purchaser, for any reason, does not change or alter Purchaser's obligations under this Agreement to use and pay for Block 2 water, in the amounts and at the rates described in this Agreement.

(e) District and Purchaser have adopted water efficiency standards for new construction in order to maximize the use of water available for projected municipal and industrial demands. As a condition of current and continued Block 2 water deliveries for use on the Lands by its retail customers, Purchaser agrees to:

(i) Require all new construction within the Lands to comply with Purchaser's then existing water efficiency standards and such additional landscaping standards as may be included in the Annexation Agreement governing the inclusion of the Lands within the District's service area (the "Annexation Agreement"). A copy of the Annexation Agreement is attached hereto as Exhibit E;

(ii) Provide reasonable assistance to District with the implementation of the terms of the Annexation Agreement upon written request by the District, such as by reporting to the District the number and size of water meters associated with structures for which a certificate of occupancy is issued and by notifying District of any proposed change to the development plan for the

Lands that is reasonably expected to increase the demand for potable water, as shown in the Water Demand Table, by more than 50 acre-feet;<sup>3</sup>

(iii) Work with District to adopt by ordinance, within a reasonable time, any changes District may make to the water efficiency standards; and

(iv) Reasonably assist the District in determining if the development of the Lands has reached Substantial Buildout, as defined in the Annexation Agreement, and consult on resolving conditions within the Lands that lead to, or are projected to lead to, a condition under which the delivery of Block 2 water to the Lands under normal circumstances will exceed the Annexed Property Water Allocation after complete build out of the Lands.

5. (a) The price(s) for water purchased by Purchaser under paragraph 1, and the cost of providing water service to Purchaser, including pumping charges, shall be determined annually by the District in accordance with its then-current rate methodology, policies, rules, and procedures. The District may choose periodically to change methodologies and/or to change its interpretation and implementation of any methodology it selects, and/or to adopt, amend, or abandon its policies, rules, and regulations.

(b) As of the execution of this Agreement, the District uses the Base-Extra Capacity Method of the American Water Works Association, as interpreted and implemented by the District, for pricing all water purchased under paragraph 1 of this Agreement.

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<sup>3</sup> The assistance described in this Agreement does not require Purchaser to withhold land use approval of a complete land use application filed in accordance with then applicable and duly adopted land use regulations.

(c) As of the execution of this Agreement, the District charges a monthly fee (the “Meter Base Charge”) for each meter through which water purchased under this Agreement may be delivered to Purchaser. The charge recovers, in part, the District’s expenses associated with the meters, including but not limited to meter reading, account billing, service and maintenance, repair, replacement, and other overhead items. The Meter Base Charge is charged monthly for each meter based on its diameter, regardless of the actual volume of water taken through the meter. Each meter identified on Exhibit B is included as a point of delivery in the Purchaser’s Water Purchase Agreement and Petition for Block 1 water supplies and the meter base charges are paid in accordance with that Water Purchase Agreement and Petition. The parties do not anticipate the installation or use of a meter solely for use with the Lands described in this Agreement.

(d) As of the execution of this Agreement, the District charges for pumping, if necessary, of water purchased under paragraph 1 of this Agreement. The cost of pumping includes the associated utility expenses.

(e) Based on subparagraphs 5(b) through 5(d), but subject to change in the future as authorized by subparagraph 5(a), Purchase shall pay to District the sum of: (i) the price(s) set forth on attached Exhibit C per acre-foot of water sold to Purchaser under Paragraph 1 of this Agreement each year; and (ii) pumping costs.

(f) The price per acre-foot of water purchased under paragraph 1 of this Agreement shall not be increased before July 1, 2025. The District specifically reserves the right thereafter to increase, or otherwise change from time to time, the price per acre-foot of water purchased under paragraph 1 of this Agreement and pumping costs as the District, in

its sole discretion, deems appropriate. The District shall provide written notice to Purchaser of a change in the price per acre-foot of water or pumping costs.

6. (a) Purchaser agrees to maintain and replace retail meters within the Lands as needed to ensure accurate measurements of delivered potable water to all uses within the Lands.

(c) Purchaser shall provide reasonable assistance to District, including by providing meter data and other information needed by District, to allow District to track and calculate the use of potable water delivered to the Lands, return flows from potable water that was delivered to the Lands following the initial delivery of such water, and to calculate depletions associated with potable water delivered to the Lands.

7. (a) Purchaser hereby represents, warrants, and covenants to the District that:

(i) Purchaser is a “city”, “public petitioner,” and “public water user”, within the meaning of the Water Conservancy District Act (Utah Code Ann. (1953) §§ 17B-2a-1001 et seq. (the “Act”);

(ii) Within the meaning of § 1007 of the Act, the legislative body of Purchaser has duly authorized and directed its chief executive officer to petition the Board of Trustees of the District for an allotment of Block 2 water, upon terms prescribed by the Board of Trustees, by delivering this Agreement to the Board; and,

(iii) Purchaser has found and determined that this Agreement constitutes a written petition on behalf of Purchaser to request the District to enter into a water contract within the meaning of § 1007 of the Act; provided, however, that

assessments shall be levied only in accordance with the provisions of this paragraph 7 and applicable Utah law.

(b) The legislative bodies of the District and of Purchaser have found and determined, and it is hereby acknowledged, that:

(i) This is a petition which is in due and proper form and contains the information necessary for a lawful petition for water in conformance with the requirements of § 1007 of the Act;

(ii) The quantity of water petitioned for, when added to the present supply of water of Purchaser, makes an adequate supply for Purchaser;

(iii) It is in the District's best interest that this petition be granted;

(iv) Purchaser and its customers/inhabitants will be benefitted thereby in an amount not less than the taxes which may be imposed by virtue of this petition;

(v) Purchaser's name is as set forth in this petition;

(vi) The quantity of water to be purchased or otherwise acquired by Purchaser is as set forth in this petition;

(vii) The water will be used on lands within the boundaries of Purchaser to the extent those lands are within the boundaries of the District (the "Benefitted Lands");

(viii) The price per acre-foot or other unit of measurement, and the amount of any service, turnout, connection, distribution system charge, or other charges to be paid by Purchaser are as set forth in this petition;

(ix) Payments shall be made as set forth in this petition;

(x) The contract assessment as authorized and allowed by this petition and by the Act shall become a political subdivision lien on the Benefitted Lands; and,

(xi) Purchaser agrees to make payments for the beneficial use of such water together with annual maintenance and operating charges, and to be bound by the provisions of the Act and the rules and regulations adopted for the District by the Board of Trustees.

(c) To the extent permitted by law, Purchaser agrees that the District may accept and grant the petition represented hereby at any time after notice and hearing required by § 1007 of the Act, without regard to the amount of time which may have elapsed prior to the hearing or between the hearing and the acceptance and granting of this petition. Purchaser hereby acknowledges that it is contemplated that years may elapse before the hearing or between the hearing and the acceptance and granting of this petition.

(d) If Purchaser fails to pay timely to the District any amount due under this petition, the District, with notice, may proceed to hearing and to act on this petition to levy a contract assessment on the Benefitted Lands pursuant to this petition and the Act for the unpaid amounts and for any future amounts. The contract assessment, after recording of the instrument levying the assessment as required by the Act, shall be a perpetual lien on the Benefitted Lands for all amounts owed as certified by the District pursuant to the Act.

(e) Collection of the levy, and further proceedings in connection with the levy of a contract assessment, shall be conducted as authorized or required by the Act.

7. It is mutually acknowledged that the District has petitions or contracts for water with the Central Utah Water Conservancy District for Central Utah Project water which require the District to pay annually for the water regardless of whether the water is called for, used, or is left unused. It is acknowledged that the District may elect to pay for this Central Utah Project water, in whole or in part, from water sales or from its own property tax levy as authorized by the Act and applicable law. It also is acknowledged that the District may elect to have all or part of any annual payment to the Central Utah Water Conservancy District paid for through the levy of a contract assessment by the Central Utah Water Conservancy District in accordance with the provisions of § 1007 of the Act, and/or in accordance with the provisions of paragraph 6 of this Agreement.

8. Purchaser shall not, outside the boundaries of the District, use, or deliver for use, or sell, or lease, or otherwise dispose of any water purchased under this Agreement.

9. (a) Amounts due from the Purchaser under this Agreement, except as otherwise provided, are due and payable within thirty (30) days of a billing statement. A statement not paid by its due date will be considered delinquent. Delinquent amounts shall accrue simple interest of one percent (1%) per month (12% APR) until paid in full.

(b) If Purchaser defaults on any payment due under this Agreement, and Purchaser's default remains uncured for a period of thirty (30) days after Purchaser's receipt of written notice of its default, the District, at its sole discretion, shall be entitled to withhold delivery of water and/or terminate this Agreement and/or pursue all other remedies available to the District. No action taken by the District under this paragraph, however, shall relieve Purchaser of its obligation to pay any sum owed to the District.

10. The term of this Agreement shall be perpetual.

11. The parties may amend or terminate this Agreement at any time upon their mutual, written consent. No one other than the parties to this Agreement shall have any rights under this Agreement which would prohibit the parties from amending or terminating this Agreement if the parties mutually agree to do so.

12. Purchaser shall be subject to and comply with the District's water rates, assessments, taxes, fees, policies, rules, and procedures as they may be adopted and/or amended. This Agreement and the parties are subject to the provisions of the Act, as amended.

13. Purchaser shall not assign this Agreement or any of its rights under it without the prior written consent of the District. The District may assign this Agreement and/or any of its rights under this Agreement.

14. All of the grants, covenants, terms, provisions, and conditions in this Agreement shall be binding upon and inure to the benefit of the successors or permitted assigns of the parties.

15. This Agreement is not intended to be a third-party beneficiary contract for the benefit of anyone, including the individual customers or constituent members of the District or of Purchaser.

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

17. 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 identified.

18. The District and Purchaser each represent and warrant that it has authority to enter into this Agreement.

19. Notices given by or to the parties shall be in writing and may be served personally or served by depositing them in the United States mail, postage prepaid, certified or registered mail with return receipt requested, addressed to the parties at the addresses set forth below, or at such other addresses as the parties may designate in writing.

“District”:  
Jordan Valley Water Conservancy District

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

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

Corey L. Rushton  
Its Chair

Address: 8215 South 1300 West  
West Jordan, UT 84088

ATTEST:

\_\_\_\_\_  
Alan E. Packard, Clerk

“Purchaser”:  
\_\_\_\_\_  
City

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

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

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

Address: \_\_\_\_\_

ATTEST:

\_\_\_\_\_

DRAFT v 3.5

EXHIBIT A  
MAP OF LANDS

DRAFT

EXHIBIT B

POINTS OF DELIVERY, CAPACITY, AND FLOW RATES

ADDRESS	METER INFORMATION	CONTRACT CAPACITY
	DIAMETER (INCHES)	MAXIMUM DAILY FLOW RATES <sup>(a)</sup> (GPM)
		(b)
	<b>YEAR TOTAL:</b>	(b)

Notes:

- (a) Maximum average flow rate over twenty-four (24) hours (GPM) for each meter station. If there are multiple meters at one (1) address, the maximum flow rate limit will apply to the combined total of all meters at a specific meter station address.
- (b) The total Maximum Daily Flow Rate shall not exceed the Average Daily Flow Rate (Annual Demand / 365) x 1.5.

EXHIBIT C

BLOCK 2 WATER RATES EFFECTIVE MAY 1, 2024 THROUGH JUNE 30, 2025

PRESSURE ZONE	RATE (\$/AF)
ALL ZONES, not including applicable pumping charge	\$ 1,146.44
<u>Notes:</u>	

DRAFT

DRAFT v 3.5

EXHIBIT D  
WATER DEMAND TABLE

DRAFT

DRAFT v 3.5

EXHIBIT E  
ANNEXATION AGREEMENT

DRAFT

RESOLUTION NO. \_\_\_\_\_

APPROVING ANNEXATION OF LANDS  
INTO THE JORDAN VALLEY WATER CONSERVANCY DISTRICT

WHEREAS, a written “Petition for Inclusion of Lands Within the Boundaries of the Jordan Valley Water Conservancy District” (the “Petition”) was filed with the Board of Trustees on \_\_\_\_\_, 2024, by \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_, asking that certain real property it owns in Salt Lake County (the “Lands”) be annexed into the Jordan Valley Water Conservancy District;

WHEREAS, a copy of the Petition, including a description and map of the Lands, is attached as Exhibit A;

WHEREAS, the Petition was certified by the Board of Trustees on \_\_\_\_\_, 2024, and written notice of the “Petition Certification” was given to the Contact Sponsor identified in the Petition in accordance with Utah law;

WHEREAS, written notice of the Petition and of the proposed annexation was properly and timely given in accordance with Utah law;

WHEREAS, a public hearing is not required by law and one has not been requested on the Petition or the proposed annexation;

WHEREAS, no objection or protest has been made either to the Petition or to the proposed annexation;

WHEREAS, all relevant statutory requirements under Utah law have been satisfied for approval of the Petition and for annexation of the Lands into the District;

WHEREAS, Herriman City (“Herriman”) is a wholesale customer and Member Agency of the District; and;

WHEREAS, Herriman annexed the Lands into its geographical boundaries before March 13, 2024;

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

1. The Board of Trustees of the Jordan Valley Water Conservancy District ("District") finds that the District is a Utah special district organized in 1951 and existing under the Utah Water Conservancy District Act, Utah Code Ann. §§ 17B-2a-1001 et seq.;

2. The Board finds that the District provides both wholesale and retail culinary water service within its geographical service area situated in parts of Salt Lake and Utah Counties;

3. The Board finds that the District provides wholesale culinary water service to Herriman pursuant to a written agreement between the parties, and that Herriman acquires the wholesale water service from the District and, in turn, provides it as a retail service;

4. The Board finds that Herriman is now located at least partly within the District;

5. The Board finds that Herriman intends to provide to the Lands the same retail water service that the District provides to the City as a wholesale service;

6. The Board finds that the Lands are not located within a project area described in a project area plan adopted by the military installation development authority under Utah Code Title 63H, Chapter 1, Military Installation Development Authority Act;

7. The Board finds that the Lands are now outside the District's boundaries;

8. The Board finds that no part of the Lands is within the boundaries of another special district that provides the same wholesale service as the District;

9. The Board finds that the Lands may be benefited by annexation into the District in that over time they will have access to the District's water supply, facilities, and services;

10. The Board finds that annexation of the Lands into the District in accordance with the terms of this Resolution will not impair or adversely affect: (a) the District's organization; (b) the District's rights in or to property; (c) any of the District's other rights or privileges; or, (d) any contract, obligation, lien, or charge for or upon which the District might be liable or chargeable had the proposed annexation not been made;

11. The Board finds that the proposed annexation in accordance with the terms of this Resolution does not jeopardize the prompt payment of principal and interest on the bonds of the District now outstanding or of the payment by the District of installments of indebtedness or obligations under any contract;

12. The District has entered into an agreement with the United States that requires the consent of the United States for annexation of the Lands into the District. Prior to the adoption of this Resolution, the Board received the formal, written approval of the Bureau of Reclamation to the annexation of the Lands into the District on the terms set forth in this Resolution;

13. The Board finds that the inclusion of the Lands within the District's boundaries constitutes significant new development requiring the use of a water budget and an annexation agreement is required as a condition of annexing the Lands, which shall be signed before the Board files this Resolution with the Lieutenant Governor;

14. Within thirty (30) days after adoption of this resolution, following compliance with paragraph 13, the Board shall file a notice with the Lieutenant Governor of the State of Utah, accompanied by a notice of impending boundary action, a copy of this Resolution and a copy of an approved final local entity plat, adequate for purposes of the Salt Lake County Assessor and Recorder;

15. The Board determines that the proposed annexation shall be complete and effective upon the Lieutenant Governor's issuance to the Board of the certificate of annexation pursuant to Utah law, with copies sent as required by law, at which time:

(a) The Lands, as described in the approved final local entity plat, shall be annexed into the District;

(b) The Lands shall be subject to the District's lawful water rates, assessments, taxes, fees, rules, and regulations as adopted and/or amended from time to time; and,

(c) The Lands shall be assigned to Division 8 of the District.

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

Resolution of the Board of Trustees (No. \_\_\_\_\_)  
Page 4

PASSED, ADOPTED, and APPROVED this \_\_\_\_\_ day of \_\_\_\_\_, 2024.

\_\_\_\_\_  
Corey L. Rushton  
Chair of the Board of Trustees

ATTEST:

\_\_\_\_\_  
Alan E. Packard, Clerk

DRAFT

EXHIBIT A

COPY OF PETITION FOR INCLUSION OF LANDS  
WITHIN THE BOUNDARIES OF  
THE JORDAN VALLEY WATER CONSERVANCY DISTRICT

DRAFT



# **ENGINEERING ACTIVITIES**

JORDAN VALLEY WATER CONSERVANCY DISTRICT

**CONSIDER APPROVAL OF CONSTRUCTION CHANGE ORDER FOR  
STEEL RESERVOIRS PAINT AND REPAIRS PROJECT**

May 8, 2024

Project: 8-MG and 2-MG Steel Reservoirs Paint and Repairs Project  
Project Number: 4271  
Budget: \$3,036,000 in 2023/2024 Capital Projects Budget  
Cost Sharing: N/A  
Change Order: No. 2

**Award of Change Order Recommended to: Viking Industrial Painting, LLC**

<b>Total Authorization Amount (Approval Requested):</b>	<b>\$108,200</b>
Original Contract Amount:	\$1,896,625
Current Contract Price Adjusted by Previous Change Orders:	\$1,924,225
New Contract Price:	\$2,032,425
Cumulative Change from Original Price:	7.2%

Summary: This contract included 100 square feet of coating repair for both the 1-MG and 2-MG reservoirs at 9400 South 2800 East. During the initial surface preparation additional coating failures were discovered. This change order includes the replacement of the exterior roof coatings on both reservoirs and some exterior shell repairs on the 1-MG reservoir.

# **REPORTING ITEMS**

JORDAN VALLEY WATER CONSERVANCY DISTRICT

**CENTRAL UTAH PROJECT/CUWCD ACTIVITIES REPORT**

May 8, 2024

The Central Utah Water Conservancy District (CUWCD) Board of Trustees held its monthly meeting on April 24, 2024.

**General Manager's Report**

- Gene Shawcroft introduced Bruce Ward as the new Chief Engineer, filling the vacancy left when Dave Pitcher retired. Bruce previously worked for Salem City.
- Gene gave an update on Colorado River Issues. The upper and lower basin states each submitted a plan for how to reduce water use from the Colorado River. These plans are still different enough that meetings are ongoing between the seven states to come to an agreement on a single plan moving forward.

**Engineering & Operations Committee**

- The Board of Trustees Approved Addendum No.1 to the Public Information Management Service Contract with Horrocks Engineers for the CWP High Head Wells Development and Wellfield Collector Pipeline Projects in the amount of \$140,262. The original contract amount has been expended and this additional amount will cover the remaining construction of the Vineyard Wells associated with the CWP project.
- The Board of Trustees Approved Change Order No.1 to the Construction Contract with W.W. Clyde & Co. for the CWP 400 North Well 17 Feeder Pipeline Project. Well 17 is approximately one-half mile from the Vineyard Wellfield Collector Pipeline. This project will connect these two facilities with a 24-inch diameter welded steel pipeline, as well as install additional electrical conduits to power the well. This will mainly fund construction of a temporary roadway for traffic as construction activity occurs within a privately owned roadway. The total amount is \$385,850.

**Legal & Legislative Committee**

- The Board approved the First Amendment to an Agreement for Fixed Time Water Use Donation Agreement between CUWCD, Utah Reclamation Mitigation and Conservation Commission, Division of Wildlife Resources, Audubon Society, and The Nature Conservancy. In 2020 CUWCD began donating Jordan River water right water to Great Salt Lake. This agreement allows for the filing of a new fixed time change application to divert water higher upstream for more flexibility in how the water can be shepherded to Great Salt Lake. The previous term of the agreement was set to expire in 2030, this amendment will extend the term to 10 years from the date the change application is approved.



**JORDAN VALLEY WATER**  
CONSERVANCY DISTRICT

# ATTRIBUTES FOR AN EFFECTIVELY MANAGED DISTRICT

April 2024 Performance Indicators

1. Product Quality & Operational Optimization (Consistency, Innovation, Protection)
2. Customer Satisfaction & Stakeholder Support (Engagement, Accessibility, Transparency)
3. Employee & Leadership Development (Growth, Experience, Recognition)
4. Financial Viability (Preparedness, Strength, Service)
5. Infrastructure Strategy & Performance (Integration, Management, Standardization)
6. Enterprise Resiliency (Mitigation, Response, Continuity)
7. Water Resource Sustainability (Adaptability, Cooperation, Leadership)
  - Short-term water supply adequacy
 

 >1.20	 1.17 1.00-1.20	 <1.00
--	--	--

Projected current and subsequent years' water supply ÷ current and subsequent years' contract purchase amounts (in AR/year).
  - Short-term water source capacity
 

 1.12 >1.10	 1.00-1.10	 <1.00
--	--	--

Current and subsequent calendar years water source capacities divided by current and subsequent calendar years projected peak demands (in cfs).
  - Long-term water supply adequacy
 

 1.15 >1.05	 1.00-1.05	 <1.00
--	--	--

Total developed and contracted drought year water supply divided by the projected demand in 15 years (based upon conservation goal for per capita use that year).
8. Community Sustainability (Sustainability, Engagement, Collaboration)

# **CAPITAL PROJECTS**

APRIL 2024

## Final Project Completion Report

**Project Name and Number:**                    **1590 East Well Development, #4281**

**Description:** The 1590 East well experienced several problems during its most recent operation 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 occurred, this project removed and inspected the pump, chemically and mechanically redeveloped this well to help boost future performance, and replaced the pump and column pipe.

**District Project Manager: Conor Tyson**

<b>Engineer: Hansen, Allen and Luce, Inc.</b>	<b>Design Status: 100%</b>
Original Engineering Contract Amount:	\$13,600
Final Engineering Contract Amount:	\$13,600

<b>Contractor: Widdison Well</b>	<b>Construction Status: 100%</b>
Original construction contract amount:	\$289,700
Total Change Order amount:	\$130,763
Final construction contract amount:	\$420,463
Total change orders as a percentage of original contract:	45.1%
Completion Schedule:	
Notice to Proceed:	5/8/2023
Final Completion:	4/25/2024

<b>Summary of Change Orders to the Construction Contract:</b>		<b>Amount</b>
	<b>Description</b>	
1	Add 10 hours to brush and bail the well	\$5,500
2	Add 20 hours to well development work	\$12,000
3	Replace well pump, column, and shaft and refurbish the discharge head	\$129,739
4	Project time extension due to pump manufacturer delays	\$0
5	Final adjustment for unused services	-\$16,476
<b>Total Change Order Amount:</b>		<b>\$130,763</b>

## Final Project Completion Report



Condition of removed pump and column



Pitting observed on old pump



Brushing the well shaft



Taking video of well after development



Installing new column pipe in well



Reassembled pump operating

## Final Project Completion Report

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

**Description:** The scope of work included the replacement of the existing boilers, exhaust duct, and appurtenances in the Actiflo Building. HVAC controls integration for the entire HVAC system at the South East Regional Water Treatment Plant was also performed.

**District Project Manager: Marcelo Anglade**

<b>Engineer: Heath Engineering</b>	<b>Design Status: 100%</b>
Original Engineering Contract Amount: proposal price	\$25,350
Final Engineering Contract Amount:	\$33,650

<b>Contractor: K.O.H. Mechanical Contractors, Inc.</b>	<b>Construction Status: 100%</b>
Original construction contract amount:	\$206,000
Total Change Order amount:	\$14,612
Final construction contract amount:	\$220,612
Total change orders as a percentage of original contract:	7.1%
Completion Schedule:	
Notice to Proceed:	4/30/2022
Final Completion:	4/19/2024

<b>Summary of Amendments to the Consulting Contract:</b>		
	<b>Description</b>	<b>Amount</b>
1	New boiler selection	\$3,500
2	HVAC controls replacement	\$4,800
Total Admendment Amount:		\$8,300

<b>Summary of Change Orders to the Construction Contract:</b>		
	<b>Description</b>	<b>Amount</b>
1	Actiflo Building boilers change of supplier	\$3,786
2	SERWTP HVAC software finstack upgrade	\$8,379
3	Makeup air unit controls	\$2,447
Total Change to Contract Amount:		\$14,612

Final Project Completion Report Pictures



HVAC Valves and Actuators



New Boilers



HVAC Valve and Actuator



Exhaust Duct

## Final Project Completion Report

**Project Name and Number:**        **JWTP Boilers Replacement Project, #4279**

**Description:** The boilers at Jordan Valley Water Treatment Plant had been experiencing frequent failures and required replacement. The old boilers were installed in 2001 and had reached the end of their serviceable life. This project included the supply and installation of two new boilers and associated equipment.

**District Project Manager: Marcelo Anglade**

<b>Engineer: Heath Engineering</b>	<b>Design Status: 100%</b>
Original Engineering Contract Amount:	\$22,750
Final Engineering Contract Amount:	\$32,750

<b>Contractor: K.O.H. Mechanical Contractors, Inc.</b>	<b>Construction Status: 100%</b>
Original construction contract amount:	\$608,000
Total Change Order amount:	\$20,301
Final construction contract amount:	\$628,301
Total change orders as a percentage of original contract:	3.3%
Completion Schedule:	
Notice to Proceed:	12/21/2021
Final Completion:	3/31/2024

<b>Summary of Amendments to the Consulting Contract:</b>		
	<b>Description</b>	<b>Amount</b>
1	Boilers project management	\$5,000
2	Boilers air duct modifications design	\$5,000
Total Amendment Amount:		\$10,000

<b>Summary of Change Orders to the Construction Contract:</b>		
	<b>Description</b>	<b>Amount</b>
1	Controls replacement	\$11,389
2	Temporary flue connection	\$4,241
3	Make up air and flue modifications	\$4,671
Total Change to Contract Amount:		\$20,301

# Final Project Completion Report



Boilers Controls



Circulation Pumps



Boilers 1 and 2



New Boilers Piping

JORDAN VALLEY WATER CONSERVANCY DISTRICT

CAPITAL PROJECTS REPORT

March 13, 2024 - April 12, 2024

**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:	\$27,642,097

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:	\$2,089,095
Water Supply Purchases:	\$130,000
Remaining Balance:	\$1,959,095

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
 CAPITAL PROJECTS REPORT  
 March 13, 2024 - April 12, 2024

**Project Name and Number: Office and Critical Parts Space Expansion Study, #4337**

Project Description: JVVCD would like to conduct a study of future buildings needs for JVVCD staff and critical parts storage. Many of the current staff workspaces are at capacity and new workspace solutions are needed. Additional building space is also needed to store critical parts and equipment to effectively respond to emergencies and natural disasters. The objective of this project is to produce a 10-year building plan which will allow JVVCD to budget for projects to satisfy the need for office and equipment space. The scope will include the evaluation and a summary of the current and future workspace needs, equipment and vehicle storage needs, potential workspace and storage solutions, cost estimates, drawings, implementation plan, and a final report outlining the findings and recommendations.

District Project Manager: Marcelo Anglade

Engineer: CRSA	Original engineering contract amount:	\$319,946
	Design Status: 1% Construction Management Status: 0%	
<u>Additional services authorized since last report:</u>		
<ul style="list-style-type: none"> <li>• n/a</li> </ul>		
Current contract amount:		\$319,946

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

Current Status: The District Board approved the award of contract to CRSA on the April, 2024, Board Meeting. The preparation of a contract is underway.

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
 CAPITAL PROJECTS REPORT  
 March 13, 2024 - April 12, 2024

**Project Name and Number: Jordan Aqueduct Seismic Resiliency Study, #4341**

Project Description: In 2021, JVVCD completed a Hazard Mitigation Plan (HMP) which identified that the Jordan Aqueduct should be analyzed for its potential exposure to risks due to natural hazards and to develop mitigation measures to prevent disruption of service. The Jordan Aqueduct Seismic Analysis will consider the natural hazard risks for earthquake (ground shaking, liquefaction, and fault rupture), landslide, and debris flow for Jordan Aqueduct reaches 1-4. The outcome of the study is to identify areas of the pipeline that should be studied further or modified to increase seismic resiliency. This project has been awarded a FEMA BRIC grant and a State of Utah grant to assist with this study.

District Project Manager: Travis Christensen

Engineer: Jacobs	Original engineering contract amount:	\$435,480
	Design Status: 0%	
	Construction Management Status: 0%	
<u>Additional services authorized since last report:</u>		
• n/a		
Current contract amount:		\$435,480

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

Current Status: The study was authorized by the Board of Trustees in April. Contract documents are being signed.
--

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
 CAPITAL PROJECTS REPORT  
 March 13, 2024 - April 12, 2024

**Project Name and Number: Multi-Site Landscaping, #4340**

Project Description: Jordan Valley Water Conservancy District (JVWCD) owns multiple properties where the landscaping consists primarily of grass turf. JVWCD desires to replace this turf grass with water-wise landscaping. This project consists of removing turf grass from the areas specified on the drawings, excavating as needed, planting new shrubs throughout the project area, installing new irrigation lines to service the new and existing plants, laying down weed barrier fabric, and laying rock mulch over the project area.

District Project Manager: Todd Peterson

Engineer: JVWCD Staff	Original engineering contract amount:
	Design Status: 100%
	Construction Management Status: 2%
<u>Additional services authorized since last report:</u>	
• n/a	
Current contract amount:	\$0

Contractor: Nelson Brothers Construction	Original construction contract amount:	\$137,168
	Construction Status: 2%	
	Substantial Completion Date: 11/8/2024	
<u>Change orders approved since last report:</u>		
• n/a		
Current construction contract amount:		\$137,168
Total change orders as a percentage of original contract:		0%

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

Current Status: Contractor is mobilizing on April 22, 2024. Construction anticipated to begin on the first week of May.

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
 CAPITAL PROJECTS REPORT  
 March 13, 2024 - April 12, 2024

**Project Name and Number: SERWTP Asphalt Replacement, #4313**

Project Description: The asphalt paving around the Southeast Regional Water Treatment Plant ACTIFLO building is deteriorating due to age and suffers from poor drainage causing leaks into the basement of the ACTIFLO building. This project will replace the asphalt around the building, slope the new asphalt towards drains, add a new gutter above the area leaking into the basement, and install a new concrete pad at the forklift loading bay.

District Project Manager: Conor Tyson

Engineer: JWCD Staff	Original engineering contract amount:
	Design Status: 100%
	Construction Management Status: 3%
<u>Additional services authorized since last report:</u>	
• n/a	
Current contract amount:	\$0

Contractor: Miller Paving	Original construction contract amount:	\$136,827
	Construction Status: 3%	
	Substantial Completion Date: 7/21/2024	
<u>Change orders approved since last report:</u>		
• n/a		
Current construction contract amount:		\$136,827
Total change orders as a percentage of original contract:		0%

<u>Other Approvals since last report</u>	<u>Vendor</u>	<u>Amount</u>
• Material testing.	IGES	\$8,695

Current Status: Contract has been signed. A Notice to Proceed has been issued and a preconstruction meeting scheduled.
--

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
 CAPITAL PROJECTS REPORT  
 March 13, 2024 - April 12, 2024

**Project Name and Number: 2024 Distribution Pipeline Replacement, #4323**

Project Description: The pipelines in the Lakeside Drive area are cast iron pipes installed in the 1950's and 1960's. These pipelines are now experiencing high incidents of waterline breaks. The project will replace the aging pipelines with new 8-inch C-900 PVC pipelines along with new valves, hydrants, setters, and meter boxes. The project also includes roadway restoration of areas disturbed by the project.

District Project Manager: Conor Tyson

Engineer: JWCD Staff	Original engineering contract amount:	N/A
	Design Status: 100%	
	Construction Management Status: 3%	
<u>Additional services authorized since last report:</u>		
• n/a		
Current contract amount:		N/A

Contractor: RDJ Construction	Original construction contract amount:	\$1,971,380
	Construction Status: 3%	
	Substantial Completion Date: 6/4/2025	
<u>Change orders approved since last report:</u>		
• n/a		
Current construction contract amount:		\$1,971,380
Total change orders as a percentage of original contract:		0%

<u>Other Approvals since last report</u>	<u>Vendor</u>	<u>Amount</u>
• Compaction testing.	Ninyo and Moore	\$29,680

Current Status: Contract has been signed. A Notice to Proceed has been issued and a preconstruction meeting scheduled.

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
 CAPITAL PROJECTS REPORT  
 March 13, 2024 - April 12, 2024

**Project Name and Number: Education Center & SWGWTP HVAC Improvements, #4287**

Project Description: 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.

District Project Manager: Marcelo Anglade

Engineer: Heath Engineering	Original engineering contract amount:	\$38,500
	Design Status: 100%	
	Construction Management Status: 4%	
<u>Additional services authorized since last report:</u>		
• n/a		
Current contract amount:		\$38,500

Contractor: All State Mechanical, Inc.	Original construction contract amount:	\$1,055,769
	Construction Status: 4%	
	Substantial Completion Date: 7/31/2024	
<u>Change orders approved since last report:</u>		
• n/a		
Current construction contract amount:		\$1,055,769
Total change orders as a percentage of original contract:		0.0%

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

Current Status: Contractor is starting the saw-cutting for the underground conduits and pipes on the week of April 22, 2024.
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JORDAN VALLEY WATER CONSERVANCY DISTRICT  
 CAPITAL PROJECTS REPORT  
 March 13, 2024 - April 12, 2024

**Project Name and Number: 6180 South 3200 West Suction Vault Upgrades, #4322**

Project Description: JWVCD staff 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.

District Project Manager: Kevin Rubow

Engineer: David Evans & Associates	Original engineering contract amount:	\$58,400
	Design Status: 100%	
	Construction Management Status: 20%	
<u>Additional services authorized since last report:</u>		
• n/a		
Current contract amount:		\$58,400

Contractor: Beck Construction & Excavation	Original construction contract amount:	\$270,350
	Construction Status: 20%	
	Substantial Completion Date: 5/24/2024	
<u>Change orders approved since last report:</u>		
• n/a		
Current construction contract amount:		\$270,350
Total change orders as a percentage of original contract:		0%

<u>Other Approvals since last report</u>	<u>Vendor</u>	<u>Amount</u>
• RTU electrical components.	Royal Wholesale Electric	\$4,462

Current Status: Contractor has obtained the necessary permits from the City and is scheduled to mobilize to the site on 4/24/24 to begin work on the vault upgrades.

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
 CAPITAL PROJECTS REPORT  
 March 13, 2024 - April 12, 2024

**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. The 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.

District Project Manager: Kevin Rubow

Engineer: Bowen, Collins & Associates  <u>Additional services authorized since last report:</u> <ul style="list-style-type: none"> <li>• n/a</li> </ul>	Original engineering contract amount: \$65,029  Design Status: 100% Construction Management Status: 40%
Current contract amount:	\$65,029

Contractor: Widdison Well Services  <u>Change orders approved since last report:</u> <ul style="list-style-type: none"> <li>• Additional well work.</li> </ul>	Original construction contract amount: \$544,966  Construction Status: 40% Substantial Completion Date: 9/10/2024
Current construction contract amount:	\$550,466
Total change orders as a percentage of original contract:	1%

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

Current Status: The contractor has completed the chemical treatment of the well and is performing additional dual swab development to reduce sand and fine material production from each section of the well screens.



Tanker truck for chemical delivery



Drill rig performing mechanical development

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
 CAPITAL PROJECTS REPORT  
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**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	Original engineering contract amount:	\$2,808,146
	Design Status: 25%	
	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: The consultant has completed the preliminary alignment for the Southwest Aqueduct and continues to collect pothole data on the existing utilities.

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
 CAPITAL PROJECTS REPORT  
 March 13, 2024 - April 12, 2024

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

Project Description: The JWVTP High-rise elevator underwent an overhaul in 2000-01. After 23 years of continuous service, the elevator is in constant need of repairs and remains out of service for long periods of time. JWVCD is modernizing the elevator with new equipment to provide reliable operation and additional years of service. The elevator modernization consists of replacing all the worn-out and obsolete components including the electrical parts and controls with new equipment.

District Project Manager: Marcelo Anglade

Electrical Engineer: VDA, Inc.	Original engineering contract amount:	\$15,060
	Design Status: 100%	
	Construction Management Status: 4%	
<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: 4%	
	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 provided submittals for fabrication of the mechanical parts; these have been reviewed by the consultant. Contract documents have been finalized.

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
 CAPITAL PROJECTS REPORT  
 March 13, 2024 - April 12, 2024

**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. Phase II 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

Engineer: AE2S	Original engineering contract amount:	\$611,000
	Design Status: 55%	
	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 60% design submittal for District staff to review.
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**JORDAN VALLEY WATER CONSERVANCY DISTRICT**  
**CAPITAL PROJECTS REPORT**  
 March 13, 2024 - April 12, 2024

**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.

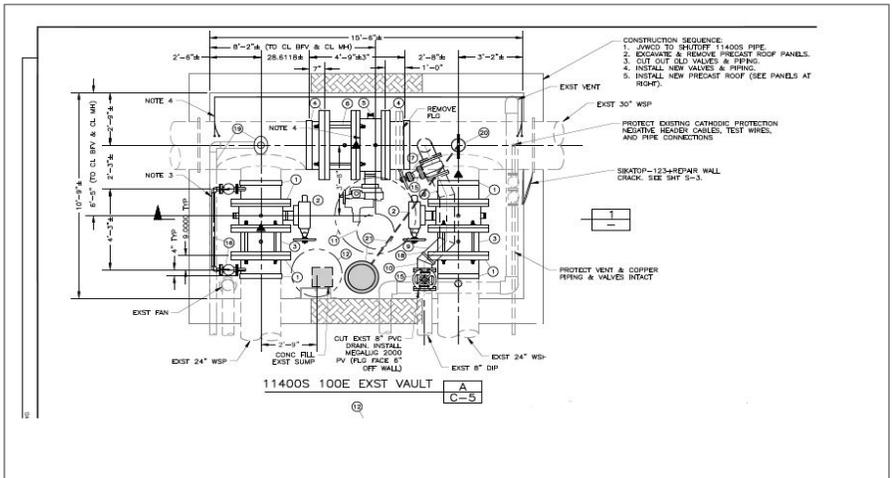
District Project Manager: Conor Tyson

Engineer: Hansen, Allen & Luce, Inc.  Additional services authorized since last report: <ul style="list-style-type: none"> <li>• n/a</li> </ul> Current contract amount:	Original engineering contract amount: \$481,972  Design Status: 93% Construction Management Status: 0%  \$481,972
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Contractor: n/a  Change orders approved since last report: <ul style="list-style-type: none"> <li>• n/a</li> </ul> Current construction contract amount:  Total change orders as a percentage of original contract:	Original construction contract amount:  Construction Status: 0% Substantial Completion Date: n/a  \$0
--	--

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

Current Status: District has reviewed the 90% drawings and provided feedback. Consultant is preparing the bid documents to be released in June.



Drawing showing plan for one of the mainline valve vaults

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
 CAPITAL PROJECTS REPORT  
 March 13, 2024 - April 12, 2024

**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 particle 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: 95%	
<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: 95%	
	Substantial Completion Date: 4/11/2024	
<u>Change orders approved since last report:</u>		
• PRV valve.		\$1,829
Current construction contract amount:		\$743,793
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 substantially complete and operating. Final completion awaits the system manufacturer to correct several communication and wiring issues in the system.



The two batch tanks installed with the control panel



Inside the new batch tank with mixer and float

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
 CAPITAL PROJECTS REPORT  
 March 13, 2024 - April 12, 2024

**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: 70%	
<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: 70%	
	Substantial Completion Date: 5/1/2024	
<u>Change orders approved since last report:</u>		
• Delays due to roadway project.		
Current construction contract amount:		\$22,982
Current construction contract amount:		\$1,646,348
Total change orders as a percentage of original contract:		4%

<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 5800 West to the UTA railway on Grandville Avenue. The work along 10200 South between Dunsinane Avenue to 4600 West is complete.

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
 CAPITAL PROJECTS REPORT  
 March 13, 2024 - April 12, 2024

**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: 35%	
<u>Additional services authorized since last report:</u>		
• n/a		
Current contract amount:		\$394,000

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

Current Status: The consultant has submitted the second technical memo of work progress related to the Comprehensive CIP Development. The third CIP workshop will be held with JVVCD staff at the end of May.

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
 CAPITAL PROJECTS REPORT  
 March 13, 2024 - April 12, 2024

**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: 70%	
<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: 70%	
	Substantial Completion Date: 6/1/2024	
<u>Change orders approved since last report:</u>		
• n/a		
Current construction contract amount:		\$993,954
Total change orders as a percentage of original contract:		11%

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

Current Status: The contractor will start work on the Gordon Lane pressure regulating vault during the last week of April and is planning to have the work completed by mid-May.

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
 CAPITAL PROJECTS REPORT  
 March 13, 2024 - April 12, 2024

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

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

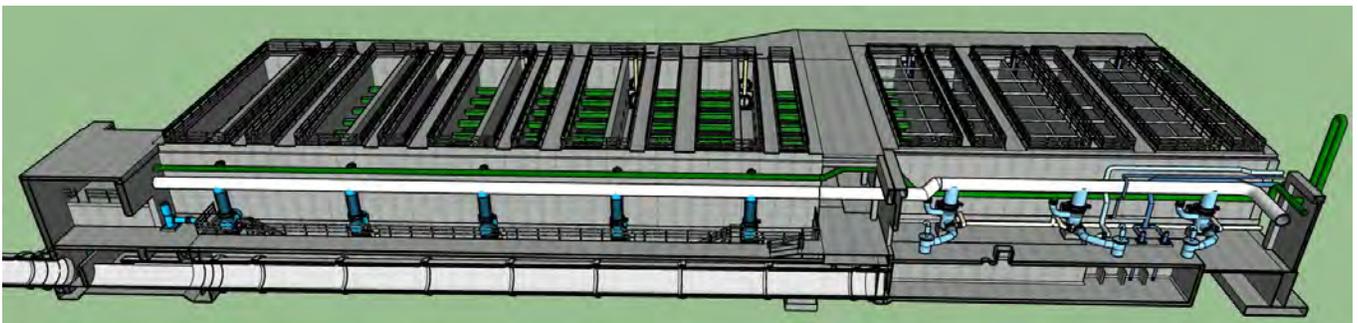
District Project Manager: David McLean

Engineer: Carollo Engineers	Original engineering contract amount: \$6,224,100  Design Status: 60% Construction Management Status: 0%
<u>Additional services authorized since last report:</u> <ul style="list-style-type: none"> <li>• n/a</li> </ul>	
Current contract amount:	\$7,148,985

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

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

Current Status: Carollo Engineers is completing 60% design drawings for this project. Design is proceeding using amendment funds approved in April's Board Meeting.



Engineering model of JWVTP  
proposed filter improvements

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
 CAPITAL PROJECTS REPORT  
 March 13, 2024 - April 12, 2024

**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 re-installation 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: 45%	
<u>Additional services authorized since last report:</u>		
• n/a		
Current contract amount:		\$42,000

Contractor: Rhino Pumps, LLC	Original construction contract amount:	\$139,001
	Construction Status: 45%	
	Substantial Completion Date: 3/27/2024	
<u>Change orders approved since last report:</u>		
• n/a		
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: The gravel tube was successfully located, modified, and the floor repaired. Other options are being evaluated to determine the location of the hole in the casing.



The repaired gravel feed tube and pump stand

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
 CAPITAL PROJECTS REPORT  
 March 13, 2024 - April 12, 2024

**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 with pumping equipment and well houses. These wells will provide valuable supply and redundancy for future demands.

District Project Manager: Travis Christensen

Engineer: Bowen, Collins & Associates	Original engineering contract amount:	\$992,889
	Design Status: 31%	
	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 design team met with Willow Creek Country Club to discuss how the new pump station will function and be constructed in close vicinity to their new maintenance building. Additional layouts for the Murray Holladay Road well are being evaluated.

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
 CAPITAL PROJECTS REPORT  
 March 13, 2024 - April 12, 2024

**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.

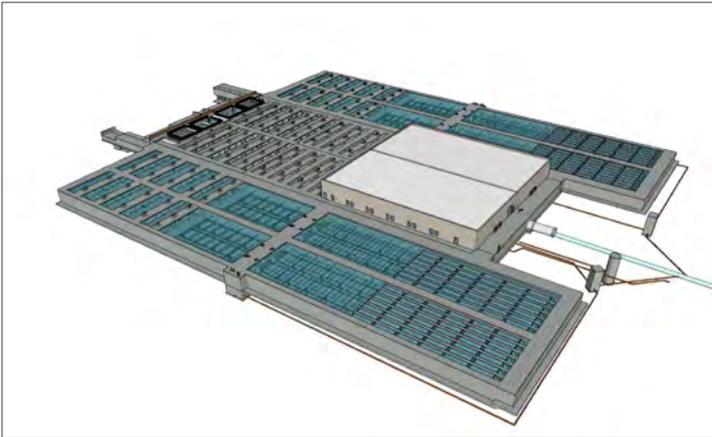
District Project Manager: David McLean

Engineer: Hazen and Sawyer	Original engineering contract amount:	\$3,793,948
	Design Status: 90%	
	Construction Management Status: 0%	
<u>Additional services authorized since last report:</u>		
• n/a		
Current contract amount:		\$4,774,151

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 90% design review drawings for the District on the Basins 1-2 improvements. Design is proceeding using amendment funds approved at last month's Board Meeting.



Engineering model of proposed  
 JWTP sedimentation  
 improvements to be constructed  
 with this project

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
 CAPITAL PROJECTS REPORT  
 March 13, 2024 - April 12, 2024

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

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

District Project Manager: Kevin Rubow

Engineer: Hansen, Allen & Luce, Inc.	Original engineering contract amount:	\$579,351
	Design Status: 89%	
	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 for District staff to review.
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JORDAN VALLEY WATER CONSERVANCY DISTRICT  
 CAPITAL PROJECTS REPORT  
 March 13, 2024 - April 12, 2024

**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 reservoirs 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: 98%	
	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>
• n/a		

Current Status: The flood control permit with Salt Lake County was approved for the project. The consultant is preparing the final drawings and specifications to bid out the project.

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
 CAPITAL PROJECTS REPORT  
 March 13, 2024 - April 12, 2024

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

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

District Project Manager: Marcelo Anglade

Engineer: Infinity Corrosion Group	Original engineering contract amount:	\$272,960
	Design Status: 100%	
	Construction Management Status: 75%	
<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: 75%	
	Substantial Completion Date: 6/1/2024	
<u>Change orders approved since last report:</u>		
• n/a		
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: The contractor has completed the application of the stripe coat, and coating the interior lid. The contractor is currently working on the interior shell of the 8-MG Reservoir at 6200 South 3200 West.

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
 CAPITAL PROJECTS REPORT  
 March 13, 2024 - April 12, 2024

**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. JWCD 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: 73%	
<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: 73%	
	Substantial Completion Date: 5/11/2024	
<u>Change orders approved since last report:</u>		
• Investigate service laterals.		\$11,200
Current construction contract amount:		\$1,911,000
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: All of the main pipeline in Old Farm has been laid. Most of the service laterals have been tied to the new lines. Contractor is completing the final connections and asphalt in Old Farm before returning to Murray area.



Replacing meter boxes at service connection



Completed new service meter box, new sample station, and new hydrant

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
CAPITAL PROJECTS REPORT  
 March 13, 2024 - April 12, 2024

**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	Original engineering contract amount: \$194,494
	Design Status: 100%
	Construction Management Status: 89%
<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: 89%
	Substantial Completion Date: 1/22/2024
<u>Change orders approved since last report:</u>	
• Well casing assessment. <span style="float: right;">\$17,310</span>	
Current construction contract amount:	\$1,806,650
Total change orders as a percentage of original contract:	11%

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

Current Status: A casing log was performed to identify any additional areas of material loss or thinning of the Murray-Holladay well casing, aside from the holes identified in the initial video inspection. This log will help evaluate if additional areas of the casing should be patched to prevent future breeches in the well. The work at the 7618 South 700 East, 987 East 7800 South, 8300 South Etienne sites are complete.



Setting up instrumentation to perform casing log

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
 CAPITAL PROJECTS REPORT  
 March 13, 2024 - April 12, 2024

**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	Original engineering contract amount:	\$940,526
	Design Status: 100%	
	Construction Management Status: 35%	
<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: 35%	
	Substantial Completion Date: 5/1/2025	
<u>Change orders approved since last report:</u>		
• n/a		
Current construction contract amount:		\$15,530,944
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 installed the overflow and drain piping while continuing to make steady progress on construction of the concrete reservoir.



Construction of the reservoir overflow and drain box

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
 CAPITAL PROJECTS REPORT  
 March 13, 2024 - April 12, 2024

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

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

District Project Manager: Travis Christensen

Engineer: AE2S	Original engineering contract amount:	\$819,707
	Design Status: 100%	
	Construction Management Status: 94%	
<u>Additional services authorized since last report:</u>		
• n/a		
Current contract amount:		\$1,194,719

Contractor: Vancon, Inc.	Original construction contract amount:	\$10,437,000
	Construction Status: 94%	
	Substantial Completion Date: 5/1/2024	
<u>Change orders approved since last report:</u>		
• n/a		
Current construction contract amount:		\$10,644,361
Total change orders as a percentage of original contract:		2.0%

<u>Other Approvals since last report</u>	<u>Vendor</u>	<u>Amount</u>
• Miscellaneous small items.	Various Vendors	\$9,700

Current Status: The contractor has bump tested the motors to ensure rotation and correct wiring. Startup of the pumpstation will be conducted in late April. The contractor continues to wrap items up on the pumpstation working towards final completion.



Electrical bump test of the new pump motors

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
CAPITAL PROJECTS REPORT  
 March 13, 2024 - April 12, 2024

**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  <u>Additional services authorized since last report:</u> <ul style="list-style-type: none"> <li>• n/a</li> </ul> Current contract amount:	Original engineering contract amount: \$388,773  Design Status: 100% Construction Management Status: 98%  \$819,853
---	--

Contractor: B.D. Bush Excavation  <u>Change orders approved since last report:</u> <ul style="list-style-type: none"> <li>• n/a</li> </ul> Current construction contract amount:  Total change orders as a percentage of original contract:	Original construction contract amount: \$2,989,090  Construction Status: 98% Substantial Completion Date: 11/22/2023  \$3,043,140  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.



Installing service lateral at 310 West 3300 South

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
 CAPITAL PROJECTS REPORT  
 March 13, 2024 - April 12, 2024

**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	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: 100%	
	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: 70%	
	Substantial Completion Date: 5/24/2024	
<u>Change orders approved since last report:</u>		
• n/a		
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 contractor mobilized to the site and has started to install the service laterals located near 300 West and will continue the lateral and hydrant installation along 3300 South towards State Street. Schedule A of this project is complete.

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
CAPITAL PROJECTS REPORT  
 March 13, 2024 - April 12, 2024

**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	Original engineering contract amount:	\$198,872
	Design Status: 100%	
	Construction Management Status: 98%	
<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: 98%	
	Substantial Completion Date: 2/07/2024	
<u>Change orders approved since last report:</u>		
• n/a		
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>
• n/a		

**Current Status:** Work continues on final electrical and site work. Punchlist items are being addressed in April.



New probes installed in new chemical building



New chemical building with site work completed outside

JORDAN VALLEY WATER CONSERVANCY DISTRICT  
 CAPITAL PROJECTS REPORT  
 March 13, 2024 - April 12, 2024

**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. JVVCD is heading up a stakeholder group consisting of local municipalities, sewer, and water districts to identify potential reuse projects.

District Project Manager: Shane Swensen

Engineer: Bowen, Collins & Associates	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**

March 13, 2024 - April 12, 2024

**Normal Capital Improvements**

Various small miscellaneous improvements.

<u>Fund Approvals since last report</u>	<u>Vendor</u>	<u>Amount</u>
<b>Project Name and Number:</b>	<b>JA-3 Cathodic Protection, #4223, Travis Christensen</b>	
• JA-3 Dismantling Joint and Loop Removal.	VanCon, Inc.	\$16,342
• Electrical Equipment for 4700 South.	Royal Wholesale Electric	\$4,639
<b>Project Name and Number:</b>	<b>Distribution Vaults Group 2, #4115, Keenan Robertson</b>	
• Vault painting.	Houston Painting	\$35,695
<b>Project Name and Number:</b>	<b>Generator Project Phase II, #4220, David McLean</b>	
• Additional natural gas work.	Morris Electric	\$10,417
<b>Project Name and Number:</b>	<b>SWGWTP Deep Well Analysis, #4213, David McLean</b>	
• Modify DW8 pump header	Nickerson Company	\$26,042
<b>Project Name and Number:</b>	<b>Headquarters Campus Site Improvements, #3910, Marcelo Anglade</b>	
• Additional professional services.	Talisman Civil Consultants	\$3,480
• Purchase of planters.	Custom Metal Tech	\$9,360
<b>Project Name and Number:</b>	<b>Electrical Equipment - Terminal PS, #4335, Kevin Rubow</b>	
• Medium voltage electrical cable.	IRBY Electrical Company	\$1,350
<b>Total Capital Project Approvals (Active Projects)</b>		<b>\$57,008,216</b>

# **REPORT ON MEDIA COVERAGE**

JORDAN VALLEY WATER CONSERVANCY DISTRICT

**REPORT ON MEDIA COVERAGE**

May 8, 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: April 1, 2024 – April 30, 2024

1. **Neutral** - Sharp, J. (April 4, 2024) *Bradford pear: Much more to loathe than the smell.* ABC4 News. <https://www.abc4.com/news/wasatch-front/bradford-pear-much-more-to-dislike-than-the-smell/>

News story about the Bradford pear tree, a common ornamental tree found around the Salt Lake Valley. Mike Lorenc (JVVCD staff) was interviewed for the story as a subject matter expert. Mr. Lorenc explained the issues Bradford pears have in the valley and recommended a different tree to plant instead.

2. **Neutral** - Radtke, G. (April 14, 2024) *Great Salt Lake Gains 'Symbolic' Inflow of Water from Utah Lake.* The Daily Utah Chronicle. <https://dailyutahchronicle.com/2024/04/14/gsl-inflow-utah-lake/>

News article about the planned release of water from Utah Lake to the Jordan River. The article quotes Wade Tuft (JVVCD staff) saying that approximately 30,000 acre-feet will be released\*. The news article explains that this is a small portion of the roughly two million acre-feet needed per year to sustain Great Salt Lake but acknowledged that there are many factors that affect lake levels.

\*Though this article was published in April, the quote came from a February news conference.

3. **Neutral** - Williams, C. (April 26, 2024) *How much will the Great Salt Lake rise? State to offer a reward if you guess it correctly.* KSL.com. <https://www.ksl.com/article/50990634/how-much-will-the-great-salt-lake-rise-state-to-offer-a-reward-if-you-guess-it-correctly->

News article about the elevation of Great Salt Lake and how it's affected by spring runoff. The article mentions Jordan Valley Water Conservancy District estimating that about 85,000 acre-feet of water has been released from Utah Lake this year.

# **MEDIA COVERAGE**

# SLC will use federal money to replace lead pipes. Here are areas most likely to be impacted.

By VANESSA HUDSON | *The Salt Lake Tribune*

Salt Lake City will receive \$39 million in federal funding to replace lead service lines in the city's drinking water system.

Doug Ernhoff, the husband of Vice President Kamala Harris, announced federal funding to help upgrade the city's aging water infrastructure Friday alongside Salt Lake City Mayor Erin Mendenhall, Salt Lake County Mayor Jenny Wilson and Tom Perez, the senior adviser to President Joe Biden.

Salt Lake City will become the first water utility in Utah to receive the federal infrastructure funding.

"These investments are critical to our quality of life in Salt Lake City, as water is such a valuable and depleting resource in the American West," Mendenhall said.

Identifying service lines to homes that contain lead can be challenging, said Dustin White, manager of the Lead and Copper Program with the city's Department of Public Utilities, and residents who own homes built before 1950 should check if they have lead pipes.

White said a simple magnet test can help people identify if they have lead pipes — if a magnet sticks to the pipe, it is a steel service line, if the magnet doesn't stick, it could be a lead or copper pipe. Copper pipes, he said, are the color of a penny.

"The intent is to find these and then go through a process of removing them," White said.

Lead exposure is harmful, especially for children, and according to the Centers for Disease Control and Prevention, health effects can include brain and nervous system damage, slowed growth and development, behavioral problems and hearing and speech problems, which can lead to a lower IQ, decreased ability to pay attention and underperformance in school.

So far, the department has identified 126 private buildings serviced by lead pipes. Homes on the southeast end of the city and in Federal Heights are more likely to have lead pipes, according to the city.

"There's so many more unknowns ... so there is an urgency to find these pipes," White said, "and it takes a concentrated effort for the community."

Every American, Hemhoff said, has the right to clean drinking water.

"But the climate crisis and the aging infrastructure in our country, that is a threat to this essential right to clean water," he said.

The Biden-Harris administration has announced that Utah will receive \$580 million in water infrastructure investments — \$36 million is going to the City Creek Canyon Water Treatment Facility, which provides clean water to over 365,000 residents.

"The investments announced here today, for lead service line replacement will go a long way to ensure some of the most underserved neighborhoods in Salt Lake City's west side have access to clean, safe drinking water," Turner Bitton, chair of the Glendale Community Council, said.

# Report shows where Colorado River water is being used

The waterway has been overused for years, but no one knew exactly where all the water was going. Until now.

By ANASTASIA HUFHAM | *The Salt Lake Tribune*

The Colorado River, vital for 40 million people, has suffered a 20% decrease in flows since the turn of the century. The two largest reservoirs in the U.S. — Lake Mead and Lake Powell — are just over a third full. Water negotiators across the American West are currently divided on how to manage the shrinking river and its reservoirs in the future.

For Brian Richter, a researcher who serves

as the president of Sustainable Waters, an organization focused on water education, it's never been more necessary to have a complete understanding of where the Colorado River's water goes as it travels from its headwaters in the mountains of Colorado to its delta in Mexico.

His latest study, published today, is the most comprehensive look to date at how humans and nature use all of the water in the Colorado River Basin.

"Remarkably, the whole water budget of the Colorado River's water has never been put together," Richter told *The Salt Lake Tribune*. "This is a factual articulation of how all of the Colorado River's water is being used, and we're

Please see REPORT, A5



ROSS D. FRANKLIN | *Associated Press*

The Colorado River flows in Lees Ferry, Ariz., in 2021. As authorities contend with managing the shrinking river, a new study gives a comprehensive look on how all of the water in the Colorado River Basin is used — both by humans and by nature.

# Report

■ Continued from A1

in a crisis situation. We have to reduce the overall consumption and then figure out how to shuffle it among all the different users.”

By “the whole water budget,” Richter referred to the study’s inclusion of the Gila River in Colorado River water calculations. The 1922 Colorado River Compact, the foundational document for managing the river, did not address the Gila River, which is located in Arizona and New Mexico. As a result, researchers previously did not fully account for consumption of the Gila River’s water when studying the Colorado River Basin.

“The most novel contribution of the paper,” according to Richter, is an account of how nature uses Colorado River water.

As water moves downstream, vegetation and wetlands rely on the river. Richter found that 19% of the Colorado River’s water is consumed by the natural environment.

The study, based on water consumption data between 2000 and 2019, also confirms a previously known fact: irrigated agriculture dominates the Colorado River. Richter and his team found that irrigated agriculture accounts for 52% of the overall consumption of the river’s water.

The majority of that water sustains water-intensive crops grown to feed cows, like alfalfa and hay. Of the Colorado River water directly used by humans, 46% goes to cattle-feed crops.

In the Upper Colorado River Basin — Colorado, New Mexico, Utah and Wyoming — these crops drink 90% of the Colorado River water used for irrigated agriculture. That’s three times the water consumed for municipal, commercial or industrial uses combined, according to the study.

“We’re going to have to see a substantial reduction in water use in irrigated agriculture if we’re going to bring this river back into balance,” Richter said.

Potential solutions include shifting to crops that require less water, which would likely require a financial incentive for farmers.

The new study breaks down water use to individual crops, a new level of specificity. For example, growing alfalfa consumed nearly 1.8 million acre-feet of water per year in the Upper Basin. An acre-foot of water is enough to



*We recognize the inclination to point fingers at some of the bigger water users, and even some of the farmers that are growing particular crops. But this is not an effort to generate blame. What we’re trying to do is create an honest, accurate base of knowledge to foster the most productive public dialogue possible.”*

**BRIAN RICHTER**

*A researcher who serves as the president of Sustainable Waters, an organization focused on water education.*

sustain two households for a year.

In comparison, municipal, commercial and industrial uses in the Upper Basin consumed about 790,000 acre-feet of water per year — less than half of the water used for growing alfalfa.

“We recognize the inclination to point fingers at some of the bigger water users, and even some of the farmers that are growing particular crops,” Richter said. “But this is not an effort to generate blame. What we’re trying to do is create an honest, accurate base of knowledge to foster the most productive public dialogue possible.”

Richter and his team were focused on releasing the results of this study for water negotiators, who are in the midst of sensitive discussions about how to operate the Colorado River and its reservoirs in the future. Current operational guidelines expire in 2026.

Earlier this month, the Upper Basin states and the Lower Basin states (Arizona, California and Nevada) each submitted separate plans for doing so to the federal Bureau of Reclamation, an agency that owns and operates water infrastructure across the country.

Water negotiators haven’t come together to develop a united plan, divided on which states should have to cut their water use. Richter hopes that this new research can help.

“We wanted to make sure that the negotiators had the most accurate information possible for them to contemplate and debate,” he said. “We hope that this can reduce some of the noise.”

# Slow start didn't stop a big winter for Utah water

Here is where the state's snowpack and reservoir levels stand.

By ANASTASIA HUFHAM | *The Salt Lake Tribune*

In late December, Utah's snowpack was lagging. Consistent storm patterns had not taken shape, and forecasters were not sure if temperatures would drop enough to turn rain into snow.

But the state's snowpack and reservoir forecasts tell a different story at winter's end.

As of April 1, two days before peak, the state snowpack is well above the median — that is, typical state snowpack using data from 1991 to 2020. Utah gets about 95% of its water supply from snow, according to the Utah Division of Water Resources.

"We're still a pretty dry state, and this year,

we're above median," Laura Haskell, drought coordinator for the Division of Water Resources, told *The Salt Lake Tribune*. "Nothing record-breaking like last year, but people need to remember that. ... We're still Utah, and we don't have as much water as maybe we'd ideally like to have."

The state snowpack has stretched to 132% of the median. That's an increase from 81% of the median in late December, when the state snowpack was 15% below normal. The statewide snow water equivalent, a measure that reflects the amount of water stored in snow, has reached 18.8 inches.

Haskell reported that even in the area in

Please see **WATER, A4**



A dog explores the snow covered landscape in Mill Creek Canyon last month. Water authorities expect that with the late-season snowfall, most of the state's reservoirs to fill this year.

FRANCISCO KJOLSETH  
*The Salt Lake Tribune*

# Water

Continued from A1

the state with the least snow, the Beaver Basin, the snowpack has reached 117% of its median.

Excluding Lake Powell and Flaming Gorge — which are about 32% and 83% full respectively — all of Utah’s reservoirs should fill this year, according to Haskell. The two large reservoirs, which provide water for other states in the Colorado River Basin, can skew the data, Haskell said. The other reservoirs throughout the state supply drinking and agricultural water for Utahns.

As of April 1, all of Utah’s reservoirs are about 86% full, compared to just 55% full this time last year — a 30% increase. The median capacity for this time of year is

## Find out more

To learn more about how to optimize your home or lawn to save water, visit [slowtheflow.org](http://slowtheflow.org).

about 66%.

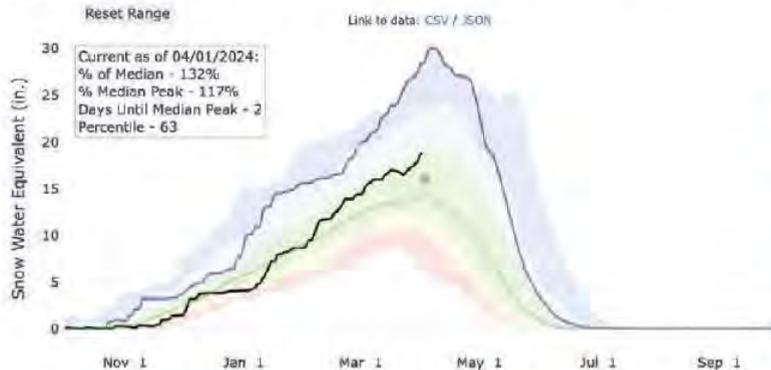
Haskell attributed the jump to last year’s record-breaking snowpack, but also to Utahns.

“Last year’s record snowpack really brought those reservoir levels up, and people have been smarter with their water use,” she said. “They’re paying a little more attention, and if everyone pays attention to their water use, it can go further.”

This year, many people applied for rebates to install landscaping better suited to Utah’s dry climate, Haskell said.

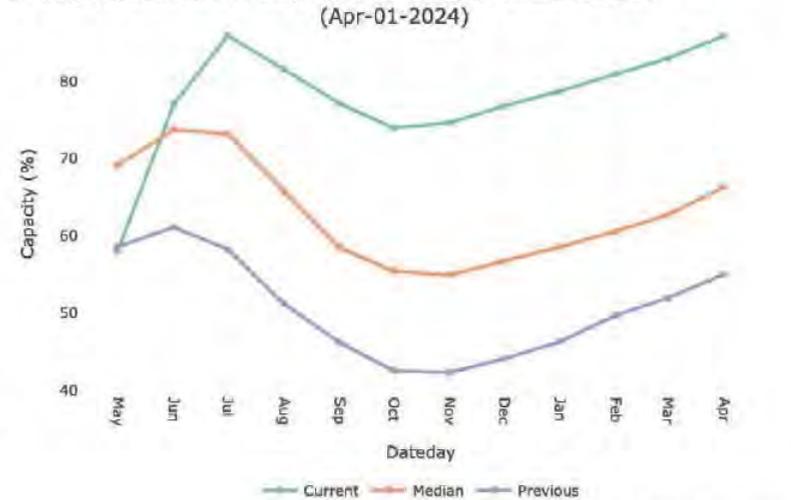
## Snow water equivalent in state of Utah

The black line is this year’s Snow Water Equivalent as of April 1, 2024, starting on Oct. 1, 2023. The purple line is last year’s Snow Water Equivalent. The light green line is typical Snow Water Equivalent based on data between 1991 and 2020. The light green X is the typical Snow Water Equivalent peak.



## All excluding Lake Powell and Flaming Gorge

This graph depicts reservoir levels across Utah, excluding Lake Powell and Flaming Gorge, in percentage of full capacity. The green line is capacity from May 2023 to April 2024. The purple line is capacity from May 2022 to April 2023. The orange line is median capacity.



“Behold it with wonder.” — *The New York Times*

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# THE LEHMAN

LANDSCAPING

# Going green with artificial grass? Not so fast

By Amy Joi O'Donoghue  
Deseret News

Both Troy Vialpando and Ail Harte are confused.

The state of Utah, water districts and cities have been hounding people for years to conserve water and move to water-wise landscaping.

For reasons of their own — to save water and cut down on weeds — the Salt Lake City residents chose to invest thousands of dollars in artificial turf.

It's that plastic stuff that is nonpermeable, you do not have to mow and is green all the time. Sounds like a solution to help a state entrenched in water scarcity.

Not so fast.

Vialpando was told by Salt Lake City code enforcement to rip his out or face a tremendous fine. Harte is worried she will face the same fate, but so far, no code enforcement officer has come knocking on her door.

She spent over \$100,000 on her fake grass, but said she did not qualify for a rebate for her efforts to save water.

Her neighbor spent thousands of dollars years ago but is being threatened by the city that says it must go. That's fine, Vialpando said, because he will rip it up and take it to Wyoming, where he plans to move.

## Navigating turf wars

If you are going to go water-wise, know that a percentage of your property has to have living vegetation for a rebate. Harte says that is insane in a region consumed by drought.

"The thing is you have to have it be no more than 50% of your yard to qualify. But what's the point of doing that if you're trying to save water? I think that's absolutely ridiculous," she said. "Why does it matter what the plant coverage is if you are trying to conserve water?"

Harte said as much as she would like to be outside gardening and enjoying the weather, she has health problems. She thought putting in a strip of fake grass would alleviate her challenges. But what will it cost her?

Vialpando had his own reasons. He tried to grow natural turf, but the soil would not take it and it kept dying off. So he spent thousands of dollars years ago and replaced his struggling lawn with artificial turf. He, like his neighbor, has challenges. His wife is a disabled veteran and since COVID-19, he does odd jobs here and there.

The city comes knocking and the state does not know

Harte is just waiting for a fight with Salt Lake City over her artificial grass. She says she is sorry for Vialpando, and there are rumblings of a petition in the neighborhood to make changes to the regulations.



Troy Vialpando talks about his artificial grass at his home in Salt Lake City on Monday. Salt Lake City has asked him to remove the turf since it doesn't meet code. Jeffrey D. Alfred, Deseret News

"There needs to be some give and take here. I'll tell you what, if the city tells me that I need to tear it up, they're going to pay for it because I don't have the funds to do that. And I shouldn't be expected to pay for it. It's my property. I don't live in a (homeowners association) for a reason."

## The controversy over 'being' fake

As much as people have good intentions, they need to check the rules and be prudent about investment choices.

Michael Sanchez, spokesman with the Utah Division of Water Resources, said the system can be confusing, but there are avenues to help.

He pointed to these resources on the state's website as a guide for advice.

"For Utahns wanting to check their eligibility and requirements, we urge them to check out UtahWaterSavers.com, specifically our eligibility requirements page."

It is so convoluted that the only area in Utah currently allowing artificial turf in the state's

Landscape Incentive Program for a potential rebate is Washington County, Sanchez said.

Artificial turf may look nice, needs relatively little upkeep and does not require water like natural grass.

There is a catch, however, explained Laura Briefer, director of Salt Lake City's Department of Public Utilities.

Artificial turf is made of plastics and does not allow for groundwater recharge. It contains "PFAS" chemicals, forever absorbed into a body — people, fish, wildlife, water.

Vialpando and Harte mentioned California in their complaint about the regulatory stance on fake grass.

There is an ongoing debate over the impact of these chemicals from synthetic grass and California's struggle with the issue.

Briefer said it is prudent to weigh the risks. "The concern we have with artificial turf is really in the materials that are used in artificial turf."

It is not natural and can contain toxins like lead. In addition, it creates a "heat island" boosting temperatures much like pavement, Briefer said.

She added that installing fake grass is not akin to water-wise landscaping because it is basically like installing cement, with no real "breathing room" for the ground.

"There are a lot of benefits to a natural landscape that include groundwater recharge softening (soils) during an intense runoff with large storm events and also filtering contaminants out of the system. And so artificial turf doesn't contribute to the those kinds of landscape benefits."

Harte said the city and the state need to get their act together when it comes to water conservation and how companies are allowed to sell it at a huge price that inevitably leaves homeowners in a lurch when it bumps up against regulations.

"It's insane," she said.

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# It's environment first in new plan for Colorado River water use

By ANASTASIA HUFHAM | *The Salt Lake Tribune*

Last month, the seven U.S. states that use Colorado River water released two divergent plans for how that water should be managed after 2026 when the current agreement expires. Their proposals centered on operations at Lake Powell and Lake Mead, the country's two largest reservoirs, the levels of which are instrumental in determining

how much water each state gets.

But a coalition of environmental organizations felt that those plans — and the discourse surrounding which states should have to cut their water use — drowned out a crucial consideration: the environment.

So, last week, they submitted a plan of their own.

“Our plan explicitly integrates environmental values and resources into the



BETHANY BAKER | *The New York Times*

A Great Blue Heron flies in Willow Gulch at Lake Powell near Ticaboo, Utah last year. A coalition of environmental groups has proposed a plan for managing Colorado River water.

planning, while also trying to meet the needs of people,” Taylor Hawes, the Colorado River Program director for The Nature Conservancy, said.

“We want to make sure that the

environment is truly factored in, and not just in the narrowest scope possible,” she added.

The Nature Conservancy, along with six

Please see ENVIRONMENT, A4

## Environment

Continued from A1

Other environmental groups, submitted their proposal to the Bureau of Reclamation, a federal agency that oversees water projects across the country. Their plan includes ideas for moderating water temperatures for endangered fish and wildlife, preventing invasive species from taking hold and helping imperiled habitats recover.

Environmental organizations have influenced Colorado River management in the past. In 2007, they suggested that states take on voluntary water cuts for conservation purposes. That plan was implemented as the Intentionally Created Surplus program.

But water managers for the states have questions about the feasibility of the environmental groups' proposal.

"We've got to be realistic about what we're trying to accomplish," said Amy Haas, executive director for the Colorado River Authority of Utah, which collaborates with other Colorado River Basin states to make management decisions.

"There are a lot of intriguing elements," Haas said about the groups' plan, "but they remain undefined."

### The Cooperation Conservation Alternative

Called the "Cooperation Conservation Alternative," the environmental groups' proposal presents different ways to manage the Colorado River for decreasing flows, increasing temperatures and drier conditions.

The groups propose considering climate factors when deciding how much water to release from Lake Powell and Lake Mead.

By looking at trends in soil moisture and temperatures, which influence how much water from snowpack ends up in reservoirs, Haas said, water managers can better understand how much water will be available.

"Our hope is that the more ideas that are on the table, the more robust the conversation can be, and maybe we can find a path forward that works for the whole region," Haas said.

The groups also introduce the idea of a "Conservation Reserve" in their proposal, a pool of water created from water conserved by the states.

This concept tweaks the existing Intentionally Created Surplus program, which incentivizes Arizona, California and Nevada to conserve water that is then stored in Lake Mead.

The Conservation Reserve would not factor into reservoir operations. Instead, water managers could move the water around the Colorado River system as needed to sustain hydropower or support sensitive ecosystems, like those in the Grand Canyon.

"The innovative Cooperative Conservation Alternative broadens the conversation about future management of the Colorado River in the era of climate change, to be more inclusive of various interests, Tribes, and the environment," Sinjin Eberle, Southwest communications director with American Rivers, said in a statement. "Expanding the scope of how water is managed to encompass a more realistic view of all pressures on the River puts forth a new vision to sustain the Colorado River and build resilience for the communities and ecosystems that rely on it for generations to come."

### 'A very ambitious alternative'

Haas, with the Colorado River Authority of Utah, called the environmental groups' proposal "a very ambitious alternative."

"I think what they're doing is throwing a lot of stuff against the wall and seeing what sticks," she said.

One part of their plan Haas agrees with is that relying on forecasts to determine releases from Lake Powell and Lake Mead is the wrong approach. Water managers should instead make decisions based on what water is available in the system.

But factoring in climate conditions the way that the environmental groups suggest is, to Haas, too subjective.

"That seems to inject another level of uncertainty and discretion in operations, which we are trying to avoid," she said.

"Is it realistic," she asked, "to try to control water temperature or address invasive species with this plan?"

The environmentalists' alternative also left Haas with questions about where Conservation Reserve water would be stored and Reclamation's broad discretion with that water.

Reclamation will consider the environmentalists' plan alongside the plans submitted in March by the Upper Colorado River Basin states (Colorado, New Mexico, Utah and Wyoming) and the Lower Basin states (Arizona, California and Nevada).

The water is shared through the Colorado River Compact of 1922, a foundational document for the river's management, which divided the seven states that use Colorado River water into two basins. The Upper Basin gets its share of water from the river itself, while the Lower Basin pulls its share from Lake Powell and Lake Mead.

"We're at the beginning, not the end, of the alternative development phase and will continue to work with all parties throughout the spring and summer to achieve as much consensus as possible," Acting Deputy Secretary of the Interior Laura Daniel-Davis said during a March news conference.

Reclamation reports that it aims to finish the draft environmental impact statement for the Colorado River's post-2026 operations by the end of this year.

# Colorado River states get a wet winter, but Lake Powell will get below-average runoff, forecast says

Officials released new data for the reservoir on Friday.

By **ANASTASIA HUFHAM**

*The Salt Lake Tribune*

Spring storms brought more snow to mountains across the Western U.S., bringing water for struggling Lake Powell with them.

The National Weather Service Colorado Basin River Forecast Center on Friday estimated that Lake Powell will receive 5.7 million acre-feet of water between April and July as snow melts off the mountains. An acre-foot is roughly enough water to sustain two houses for a year.

That volume is 89% of the normal runoff for that time period recorded between 1991 and 2020.

Facing extreme drought and climate change since the

turn of the century, Lake Powell dropped to a historic low of 22% full in Feb. 2023. The reservoir currently stands at about 32% full.

Three factors determine how much water ends up in Lake Powell: the amount of snowpack on Western mountains, spring temperatures (warmer weather can cause snow to melt faster) and soil moisture (dry soil absorbs melting snow, leaving less water for reservoirs).

Snowpack jumped in March throughout the Upper Colorado River Basin, the portion of the river basin that lies above Lake Powell and includes Colorado, New Mexico, Utah and Wyoming.

On March 1, snow water equivalent — the amount of

*Please see* **RUNOFF, A2**

The bathtub ring is visible at Lake Powell near Tropic, Utah last year. Forecasters anticipate that the lake will receive 5.7 million acre-feet of water from runoff this year — about 89 percent of normal runoff. The reservoir currently stands at about 32% full.

BETHANY BAKER  
*The Salt Lake Tribune*



## Runoff

» *Continued from A1*

water contained in snow — above Lake Powell stood at 97% of the median snow water equivalent between 1991 and 2020.

A month later, on April 1, forecasters recorded Upper Basin snowpack at 113% of the median.

Snowpack conditions above Lake Powell improved because of active weather in March, forecasters said, which was the third month in a row with near to above-normal precipitation throughout the Colorado River Basin.

Last month, the Upper Basin saw 130% of average

precipitation, bringing precipitation above Lake Powell to 102% of average for October 2023 through March 2024.

But an above-average year for snow doesn't guarantee an above-average runoff, given the forecast of warm spring temperatures and dry soil conditions.

Right now, forecasters say, soil moisture across the entire Colorado River Basin — which includes Arizona, California and Nevada as the Lower Basin — is close to below normal. Soil moisture is better in the Upper Basin than in the Lower Basin.

When forecasting how much water Lake Powell will get, hydrologists release three possible scenarios. On Friday, forecasters

reported that there is a 10% chance that the reservoir could receive as much as 8.3 million acre-feet of water or more from April through July. In a drier scenario, there is a 10% chance that runoff could drop to 4.4 million acre-feet of water or below. The most likely case is that Lake Powell sees about 5.7 million acre-feet of water.

Forecasters in late March predicted that Lake Powell would receive 5.4 million acre-feet of water between April and July.

These estimates guide the management of the Colorado River, which serves 40 million Americans, 30 Native American tribes and sustains various ecosystems and habitats.

# EPA sets limits on 'forever chemicals' in drinking water

BY MICHAEL PHILLIS  
Associated Press

The Biden administration on Wednesday finalized strict limits on certain so-called "forever chemicals" in drinking water that will require utilities to reduce them to the lowest level they can be reliably measured. Officials say this will reduce exposure for 100 million people and help prevent thousands of illnesses, including cancers.

The rule is the first national drinking water limit on toxic PFAS, or perfluoroalkyl and polyfluoroalkyl substances, which are widespread and long lasting in the environment.

Health advocates praised the Environmental Protection Agency for not backing away from tough limits the agency proposed last year. But water utilities took issue with the rule, saying treatment systems are expensive to install and that customers will end up paying more for water.

Water providers are entering a new era with significant additional health standards that the EPA says will make tap water safer for millions of consumers — a Biden administration priority. The agency has also proposed forcing utilities to remove dangerous lead pipes.

Utility groups warn the rules will cost tens of billions of dollars each and fall hardest on small communities with fewer resources. Legal challenges are sure to follow.

EPA Administrator Michael Regan says the rule is the most important action the EPA has ever taken on PFAS.

"The result is a comprehensive and life-changing rule, one that will improve the health and vitality of so many communities across our country," said Regan.

PFAS chemicals are hazardous because they don't degrade in the envi-



JOSHUA A. BICKEL, ASSOCIATED PRESS

Logan Feeney pours a PFAS water sample into a container for research on Wednesday at a U.S. Environmental Protection Agency lab in Cincinnati.

ronment and are linked to health issues such as low birth weight and liver disease, along with certain cancers. The EPA estimates the rule will cost about \$1.5 billion to implement each year, but doing so will prevent nearly 10,000 deaths over decades and significantly reduce serious illnesses.

They've been used in everyday products including nonstick pans, firefighting foam and waterproof clothing. Although some of the most common types are phased out in the U.S., others remain. Water providers will now be forced to remove contamination put in the environment by other industries.

"It's that accumulation that's the problem," said Scott Belcher, a North Carolina State University professor who researches PFAS toxicity. "Even tiny, tiny, tiny amounts each time you take a drink of water over your lifetime is going to keep adding up, leading to the health effects."

PFAS is a broad family of chemical substances, and the new rule sets strict limits on two common types — called PFOA and PFOS — at 4 parts per trillion. Three other types that include GenEx Chemicals that are a major problem in North Carolina are limited to 10 parts per trillion. Water providers will have to test for these PFAS chem-

icals and tell the public when levels are too high. Combinations of some PFAS types will be limited, too.

Regan will announce the rule in Fayetteville, North Carolina, on Wednesday.

Environmental and health advocates praised the rule, but said PFAS manufacturers knew decades ago the substances were dangerous yet hid or downplayed the evidence. Limits should have come sooner, they argue.

"Reducing PFAS in our drinking water is the most cost effective way to reduce our exposure," said Scott Faber, a food and water expert at Environmental Working Group. "It's

much more challenging to reduce other exposures such as PFAS in food or clothing or carpets."

Over the last year, EPA has periodically released batches of utility test results for PFAS in drinking water. Roughly 16% of utilities found at least one of the two strictly limited PFAS chemicals at or above the new limits. These utilities serve tens of millions of people. The Biden administration, however, expects about 6-10% of water systems to exceed the new limits.

Water providers will generally have three years to do testing. If those test exceed the limits, they'll have two more years to install treatment systems, according to EPA officials.

Some funds are available to help utilities. Manufacturer 3M recently agreed to pay more than \$10 billion to drinking water providers to settle PFAS litigation. And the Bipartisan Infrastructure Law includes billions to combat the substance. But utilities say more will be needed.

For some communities, tests results were a surprise. Last June, a utility outside Philadelphia that serves nearly 9,000 people learned that one of its wells had a PFOA level of 235 parts per trillion, among the highest results in the country at the time.

"I mean, obviously, it was a shock," said Joseph Hastings, director of the joint public works department for the Colleagueville and Trappe boroughs, whose job includes solving problems presented by new regulations.

The well was quickly yanked offline, but Hastings still doesn't know the contamination source. Several other wells were above the EPA's new limits, but lower than those the state of Pennsylvania set earlier. Now, Hastings says installing treatment systems could be a multi-million dollar endeavor, a major expense for a small customer base.

# EPA: 'Forever chemicals' must be removed from tap water

By **LISA FRIEDMAN** | *The New York Times*

For the first time, the federal government is requiring municipal water systems to remove six synthetic chemicals linked to cancer and other health problems that are present in the tap water of hundreds of millions of Americans.

The extraordinary move from the Environmental Protection Agency mandates that water providers reduce perfluoroalkyl and polyfluoroalkyl substances, known collectively as PFAS, to near-zero levels. The compounds, found in everything from dental floss to firefighting foams to children's toys, are called "forever chemicals" because they never fully degrade and can accumulate in the body and the environment.

The chemicals are so ubiquitous that they can be found in the blood of almost every person in the United States. A 2023 government study of private wells and public water systems detected PFAS chemicals in nearly half the tap water in the country.

Exposure to PFAS has been associated with metabolic disorders, decreased fertility in women, developmental delays in children and increased risk of some prostate, kidney and testicular cancers, according to the EPA.

The EPA estimated it would cost water utilities about \$1.5 billion annually to comply with the rule, though utilities maintain that the costs could be twice that amount. Industry executives say taxpayers will ultimately foot the bill in the form of increased water rates.

# Study finds links between ski wax and ‘forever chemicals’ at resorts

Park City’s ban does little to stop fluorowax coming in from Salt Lake City, other areas, and seeping into soil and water.

By **JULIE JAG** | *The Salt Lake Tribune*

Michelle De Haan is a city water quality and treatment manager, not Sherlock Holmes. Yet when she and her team discovered potentially dangerous chemical compounds in three wells that pump from an aquifer under Park City in 2022, she embarked on a full-scale investigation.

Lucky for De Haan, the culprit left fingerprints of sorts for her to follow. Some 15,000 human-made chemicals are classified as PFAS — short for per- and poly-fluoroalkyl substances, also known as forever chemicals for their resilience to breakdown. Yet only about seven types showed up in quantifiable levels in Park City’s water supply with another seven appearing at unquantifiable levels.



Please see **PFAS IN WATER, A8**

ILLUSTRATION BY **CHRISTOPHER CHERRINGTON** | *The Salt Lake Tribune*

## PFAS in water

• Continues from A1

That eliminated the possibility of the contamination coming from nearby fire stations or the golf course above the aquifer, neither of which used those specific compounds.

"That helped us rule that out, but it also made us scratch our heads," De Haan said. "What is the source of this contamination?"

Then one day, while deep in the rabbit hole of online PFAS research, De Haan skidded into her answer.

**Ski wax.**  
Park City draws tens of thousands of Nordic and alpine skiers every winter. And throughout every run, or every circuit, they scrape off thin layers of the wax on their skis. The chemicals in that wax then sink into the snow melt and soil. Eventually, they can seep into the waterways, where — especially if they contain fluorine — they can cause severe health issues such as cancer, infertility and kidney and thyroid problems. PFAS also pose a potentially thorny and expensive problem for water managers like De Haan, who estimated they could cost millions of dollars to clean up.

After pinpointing ski wax as the culprit, Park City enacted a ban on the sale and use of fluorowax. It's one of the few places in the world to take that step. Yet the ban can only stretch so far in a resort town that attracts people from around the world.

"We feel pretty confident that the retail community is doing a really good job locally," De Haan said. "But we're not able to regulate or have that same conversation with shops outside of Park City proper."

### STUDIES LINK PFAS TO SKI WAXES

The 2019 release of "Dark Waters" — a dramatization of a lawyer's claim that DuPont poisoned a West Virginia town's residents by dumping toxic sludge nearby — prompted Park City to begin proactively testing for PFAS. Since then, two academic studies have highlighted the lasting effects of the use of fluorowaxes on skis and snowboards on the environment.

The first, published in December 2020 in the academic journal *Chemosphere*, found greatly elevated levels of PFAS in the snow melt from the starting line of a popular cross-country course in Colby, Maine. It was that study, led by Gail Carlson, an assistant professor of environmental studies at Colby College and mother of a Nordic ski racer, that helped De Haan link Park City's PFAS problems to ski wax. Of the 14 ski wax-related PFAS found in the Colby study, 11 matched the compounds in Park City's aquifer.

De Haan noted that popular cross-country ski trails used for recreation and races crisscross the golf course above the aquifer during the winter, and her team found elevated levels of PFAS in the snow melt at the starting area. However,



PHOTOS BY FRANCISCO KJOLSETH | The Salt Lake Tribune

Bobby Monson, an area manager at Switchback Sports ski repair shop in Park City (shown April 1), occasionally implements the older method of applying wax to skis. The shop is doing its part in eliminating the use of high fluorocarbon waxes and Park City has banned the use of PFAS wax at their resorts.

De Haan's team also found PFAS in snow melt at the area's alpine playgrounds, including Deer Valley Resort and Park City Mountain.

A more recent study reinforces those findings. In January, a peer-reviewed study that appeared in the journal *Environmental Science: Processes & Impacts* revealed elevated levels of PFAS connected to ski wax in the soil and snow melt at recreational ski areas.

The soil at the ski resorts had more than twice as many PFAS varieties and they were found at levels 3-4 times higher than in the soils at control sites, according to Viktoria Muller, the study's lead researcher. Analysis of the snow melt revealed an even larger gap, she said. And while all the samples were taken in Austria from 2021-22, Muller said the findings can likely be extrapolated out to other resorts today, including those as far away as Utah.

"What is new with our study is the actual event for recreational skiing areas," said Mueller, a postdoctoral researcher at Austria's University of Graz, "and to see what normal people, not ski racers, put out there."

### FLUOROWAX: FAST BUT FOUL

Fluorowaxes work. There's no getting around that.

Since their invention in the early 2000s until recently, they have become ubiquitous on the competitive ski racing circuits. They made gliding easier and allowed snowboards and skis, both Nordic and



Skiers at Deer Valley on April 4. Elevated levels of PFAS have been found in snow melt at the resort. Most of it, the resort's sustainability manager said, was found where World Cup moguls and aerials competitions take place annually.

alpine, to go faster.

So when the International Ski Federation (FIS) announced in 2020 that it planned to ban fluorowaxes in all its competitions — including World Cup and Olympic alpine and Nordic races — reactions varied.

"It makes a huge difference," Richard Rokos, then the University of Colorado head ski coach, told *The Associated Press* in 2020. "Skis

are gliding better, it has less resistance. In reality, it saves you energy and gives you a better performance."

Rokos said he nonetheless supported the ban. The coach, who retired in 2021, ultimately didn't have to worry much about it, though. While the European Union banned some fluorowaxes in 2020 and U.S. Ski and Snowboard banned them for its events starting in 2021-22, FIS's ban only

fully took hold this season.

FIS's delay hinged partly on a lag in technology. It hoped to employ a "Fluorine Tracker" to uncover banned waxes on skis and boards, but perfecting the technology proved difficult. The lack of such devices is one reason racers only check sporadically for fluorowaxes, similar to the random issuance of drug tests for athletes.

PHOTOS BY FRANCISCO KJOLSETH | THE SALT LAKE TRIBUNE



Men compete in the 4x7.5km Relay at the Soldier Hollow Nordic Center in Midway for the first day of competition of the BWW BU World Cup Biathlon on March 8. This is the first year the International Ski Federation has implemented a full ban on fluorowaxes, which contain hazardous "forever chemicals," in all of its races.

## PFAS in water

Continued from A8

At recreational ski areas, however, fluorowaxes remain fair game. Anyone who wants to go a little faster can... for a price: A bar of fluorowax can cost \$100 or more compared to about \$25 for a fluoro-free bar.

Muller said the lack of regulations explains why they're being found at elevated levels at places where races aren't common.

"I don't see an issue with beginners," she said. "But if you're good at skiing and you take your skis to be serviced, they can wax your skis and use fluorinated ski waxes."

This seemed to take several Utah resorts contacted by *The Tribune* by surprise. That includes several in Big and Little Cottonwood Canyons whose runoff is a major source of water for much of the Salt Lake Valley. Most said they believed the Environmental Protection Agency had banned fluorowaxes.

That is not the case, EPA spokesperson Jeffrey Landis said in an email.

Rather, last June the EPA basically nixed the use of new PFAS compounds in commercial products unless they first weathered extensive testing and clearance. Then, in October, the agency solidified a rule that requires any company producing or importing products containing any amount of PFAS to report their "uses, production volumes, byproducts, disposals, exposures, and existing information on environmental or health effects to

the EPA."

So exciting, cataloged PFAS can still be used in a variety of products. However, Landis emphasized that the agency has strong reservations about the use of PFAS in ski waxes.

"Ski waxes have the potential to expose ski wax technicians and recreational skiers who apply waxes to the skis to PFAS from handling the waxes and from vapors released when the waxes are melted and applied to skis," he wrote in an email. "Additionally, PFAS may enter the environment from the use of waxed skis and from the ski wax shavings scraped off during application."

Several states have already banned PFAS in various products or plan to in the next year, according to the website Safer States. That includes Vermont, the only state to adopt a fluorowax ban, and Minnesota and New York, both of which saw ski wax bans introduced but not passed during their 2023 legislative sessions. Utah has no such ban.

Victoria Schlaepfer, the sustainability manager at Deer Valley, said De Haan's public utilities team found elevated levels of PFAS at that Park City resort during its 2022 investigation. Most of it, Schlaepfer said, was detected in the area where Deer Valley hosts annual moguls and aerials competitions as part of the Freestyle World Cup. She said now that FIS has banned fluorowaxes, she expects a reduction in the concentration of PFAS in snow melt and perhaps a halt to its buildup in the soil.

Still, she acknowledged eliminating PFAS on the mountain is a

Sisyphian endeavor. Not only can the chemical compounds be found on the bottom of any visitor's skis, PFAS have become a staple ingredient in almost every product designed to keep people warm and dry over the past 20 years. As recently as 2022, an environmental watchdog gave failing or near-failing grades to such esteemed outdoor brands as L.L. Bean, Columbia Sportswear and VF Corporation (the maker of North Face) for lacking policies to phase out PFAS.

"It's easy to commit ourselves at the resort to not having chemicals in our resorts," Schlaepfer said. "It's not so easy telling visitors and competitors that they can't have that wax on their skis."

### HOW TO DISPOSE OF A 'FOREVER CHEMICAL'

Even if ski areas and Nordic centers in Park City and elsewhere somehow succeed in eliminating the use of fluorowaxes, that won't eliminate their problems. The "forever chemicals" are already in the ground and water, and it could take a thousand years or more for them to breakdown.

As Muller, the researcher said, "What is already out there will stay out."

On Wednesday, the EPA issued its first regulations on PFAS in drinking water. For both PFOA and PFOS, which together make up the PFAS class, the agency set a limit of four parts per trillion—that's the equivalent of four drops of water in the Rose Bowl. The PFAS in Park City's groundwater wells

measure up to eight parts per trillion, however. While De Haan said Park City primarily gets its drinking water from surface water and only taps the wells on peak usage days, when it blends that water with the surface water, the city will have to remedy the imbalance. All water providers will have no more than three years to comply with the new standards.

The city's best and most economical option, De Haan said, is to blend the contaminated water with water that doesn't contain PFAS. It is prepared to do that with its new SKings water treatment plant. The EPA and the Utah Division of Drinking Water have to approve that measure, however. If they don't, the next best alternative involves building something akin to a massive Brita filter, in which PFAS compounds would absorb into a carbon block.

De Haan estimated the filter itself would cost between \$7 million and \$14 million. The carbon block would also have to be incinerated and replaced every year or so, she added, at an additional cost of about \$250,000-\$850,000 per year.

Incineration is one of the few known ways to breakdown PFAS. De Haan said that's what the city had to do to dispose of the more than 600 pounds of fluorowaxes it collected last year as part of an ongoing take back program.

Just as it can't keep fluorowaxes from coming in, though, Park City can't keep all of the potentially contaminated snow melt from going out. Some will eventually flow through Salt Lake City before

ending up in the Great Salt Lake.

Yet the city hasn't had any issues with PFAS contamination in its surface water, according to Laura Briefer, Salt Lake City's public utilities director. At least not so far.

"We are concerned about the use of PFAS," Briefer said, "not only in ski wax but in other items as well that could make it into our drinking water supply."

The Salt Lake City Department of Public Utilities serves about 365,000 people along the Wasatch Front, including parts of Millcreek, Hilday and Cottonwood Heights. It draws 80% of its drinking water from places where skiing is prevalent. That includes 51% from the Cottonwood Canyons—home to four of the state's 15 ski resorts. Another 30% comes from Deer Creek Reservoir, which sits adjacent to the Soldier Hollow Nordic Center. And about 15% comes through Parley's Creek, an area also popular with recreational cross-country skiers.

While Briefer said no PFAS have been detected in any of those sources, they have contaminated two wells that provide supplemental groundwater to residents. One is close to a superfund site and has not been used for a number of years, Briefer said. How these "forever chemicals" got into a well on 4th Avenue, which mostly gathers water from the City Creek Canyon area, though, is a mystery. Briefer said an investigation is underway, but she does not suspect ski wax. Still, she said the discovery of PFAS in a well that draws water from a mostly undisturbed area indicates how prevalent these chemical compounds are.

Briefer did not advocate for a ban on fluorowaxes and other PFAS sources. However, she emphasized that in a dry state like Utah, where water is scarce, she feels it's best to be proactive about risks to water sources.

"It's much easier to prevent the contamination through good policy and to take action rather than trying to treat it," she said. "Because depending on what the contamination is and how intense the contamination is, treatment may not be 100% effective all the time. But we have to do what we have to do to protect the public health."

Park City's ban on fluorowaxes has reduced PFAS contamination within the city, De Haan said. Yet, as any good detective knows, locking away one villain often opens the door for another to take its place. And as De Haan pointed out, no one knows yet if the new "environmentally friendly" chemicals being used to replace the fluoro in fluorowax will adversely impact our health or the environment.

"One of the things that is a little bit of a mystery still to us," she said, "is whether some of these new 'environmentally friendly' products are going to have some different PFAS compounds in them, but maybe [ones that are] less mobile in the environment, especially as it relates to snow and water. So we're kind of keeping our eye out for that because we are finding some compounds that don't show up in the fluoro suite."

# Park City, SLC set plans to comply with new EPA rules on PFAS in wells

By JULIE JAG | *The Salt Lake Tribune*

They are called “forever chemicals,” and they are as stubborn as they are ubiquitous. As of Wednesday, though, the Environmental Protection Agency intends to put a lid on the toxic compounds.

Officially known as perfluoroalkyl and polyfluoroalkyl substances but collectively referred to as PFAS, the human-made chemicals are used in everything from firefighting foam and nonstick pans to dental floss and rubber duckies. Part of their charm from a commercial standpoint is they are stubbornly resilient to degradation. Researchers estimate it takes up to a thousand years for them to disappear from the earth and between 7-14 years for them to reduce by half in the human body.

And yes, they are in your body.

The Centers for Disease Control and Prevention estimates 97% of Americans have PFAS in their blood. The EPA has linked high levels of PFAS to birth defects, cancers, infertility and thyroid problems, among other medical issues. Recently, a government study indicated almost half of the nation’s tap water contained at least one type of PFAS.

Previously, the EPA had limited PFAS to 70 parts per trillion in public drinking water. Last week, it minced that standard. Signaling a new understanding of the toxicity of the “forever chemicals” even in small amounts, it



FRANCISCO KJOLSETH | *The Salt Lake Tribune*

**Bobby Monson, an area manager at Switchback Sports ski repair shop in Park City doesn't use ski wax with PFAS in it. Officials believe ski wax is where the PFAS contamination came from.**

set the limit for PFOA and PFOS chemicals — which together make up the PFAS class — at four parts per trillion. For perspective, that's the equivalent of four drops of water in the

Rose Bowl or slightly more than two drops in Rice Eccles Stadium.

Park City and Salt Lake City both have

*Please see* **PFAS, A3**

## PFAs

Continued from A1

found PFAS in their groundwater at levels higher than the EPA's new limit. According to one report, 26 of 85 water systems statewide have discovered at least trace amounts of PFAS.

"Given the impacts and national attention associated with exposure to these forever chemicals, we take this rule seriously," Michelle De Haan, Park City's water quality and treatment manager, said in an email. "Our highest priority is our community's trust in the reliability and quality of the drinking water supply."

Park City started proactively testing for toxic chemical compounds in its water supplies almost four years ago. It found PFAS in three of its ground wells, which are connected to a common aquifer that sits under a golf and cross-country ski course. The wells, which are tapped only on peak water-use days, contained PFAS concentrations of up to eight parts per trillion — nearly twice the EPA's new limits. Officials later linked those compounds to fluorinated ski wax, which the city banned in 2023.

Since the fluorowax ban, which the city enacts mostly via education and a take-back program, preliminary reports show PFAS levels have remained mostly unchanged in the wells. Still, the "forever chemicals" already there won't be going anywhere soon.

De Haan said most of Park City's water comes from uncontaminated surface



CORY MORSE | The Grand Rapids Press via AP

Equipment used to test for perfluoroalkyl and polyfluoroalkyl substances, known collectively as PFAS, in drinking water is seen at Trident Laboratories in Holland, Mich., in 2018. The Environmental Protection Agency has slashed the standard for acceptable levels in wellwater.

sources. When demand rises, however, she said the city blends that water with water from PFAS-contaminated sources to dilute the concentration of chemicals.

If the city wants to continue to do that to meet the new EPA standards, it will need permission from both the EPA and Utah Division of Drinking Water. If that option is denied, De Haan said the next best avenue is investing in something like a massive Brita

filter. The chemicals would be absorbed into a giant carbon block that would need to be incinerated and replaced annually.

She estimated the filter would cost between \$7 million and \$14 million to build. Replacing the carbon block would add an additional cost of about \$250,000-\$550,000 per year. Plus, the EPA acknowledges incineration of PFAS could create smaller PFAS products "which may not have been

researched and thus could be a potential chemical of concern."

The city hopes it can rely less on its groundwater wells once its 3Kings water treatment plant becomes operational this summer. That plant specializes in removing contaminants from former mining operations in water flowing through the Judge and Spiro mine tunnels.

The Salt Lake City Department of Public Utilities also found PFAS in levels surpassing the EPA's new regulations in two of its wells.

One of the wells sits near a superfund site and has not been used in years, according to public utilities director Laura Briefer. The other, located at 4th Avenue near Memory Grove, is more of a mystery. The department has been investigating the source of the chemicals in that water, which mostly feeds through City Creek. It was recently replaced, and Briefer surmised that the chemicals could have seeped in from the tape holding the pipes together.

The levels of PFAS found in that well are nearly twice the EPA's limit. The city tested for the chemicals in October in anticipation of the EPA's order. The well, which is typically only used on summer peak-use days, was already offline. It will remain that way, Briefer said, until her team can find the cause of the contamination and address it.

Briefer said no other PFAS have been found in the city's drinking, most of which comes from surface water.

Municipalities will have until 2027 to comply with the EPA's new regulations.

# March storms buoy already promising rise in water level of Great Salt Lake

How much the lake gains still depends on several factors that include downstream diversions and reservoir releases.

By **CARTER WILLIAMS**  
*KSL for the Great Salt Lake Collective*

The Great Salt Lake was already expected to receive a strong boost from this year's snowpack, but projected inflows are now expected to be a bit larger after a productive round of March storms.

The Natural Resources Conservation Service now estimates that the lake, which is already the highest it has been in four years, could gain anywhere from 600,000 to 1.42 million acre-feet of water between April and July, raising the lake's water levels by 0.4 to 1.5 feet.

Agency officials said the median — or most likely outcome — is that the lake will gain about 1.01 million acre-feet, which would add about 0.9 feet to the lake level, according to a report the agency published last week about the state's water supply.

"The relatively small amount of available reservoir capacity in (the Great Salt Lake) basin reservoirs will likely lead to significant surplus water that may make it to the (Great Salt Lake)," Conservation Service officials wrote in the report.

Agency officials previously wrote that the lake could gain another 1.2 feet by the end of the snowpack collection following a strong end to the meteorological winter.

However, Jordan Clayton, a hydrologist and director of the Utah Snow Survey, explained to

KSL.com last month that the projections don't account for downstream diversions for consumption, controlled releases from reservoirs or a berm that splits the lake in half. All of these are why the total could be higher or lower — and may not impact all lake areas.

Water levels at the Great Salt Lake's southern arm are now up to 4,194.4 feet elevation, up about a half-foot from the previous projection and also the arm's highest point since the spring of 2020.

Its northern arm is back to 4,191.3 feet in elevation, having gained less because of the berm splitting the lake in half.

What helps is that last month was Utah's 23rd-wettest March since 1895. The snowpack that feeds water within the Great Salt Lake basin rose by another 5 inches of snow-water equivalent in March, forcing the Conservation Service to adjust its lake outlook.

The region's snowpack collection reached 23.2 inches on April 1, 3.6 inches above the region's season median.

It remains at 23.1 inches as of Monday, having lost 0.6 inches to snowmelt over the past week but regaining 0.5 inches from a storm that dumped more than 2 feet of snow in parts of the basin over the weekend.

Agency officials add that the new precipitation kept soil moisture levels high, which should make for a more efficient runoff.

Should the lake gain 1.5 feet over the next few months, the lake's southern arm could reach 4,196 feet elevation for the first time since 2017.

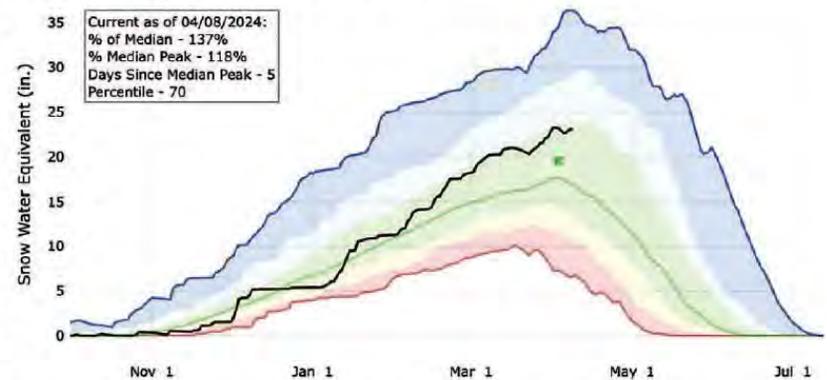
That would leave it 2 feet below its minimum healthy level before the lake is expected to drop off again during the summer.



JEFFREY D. ALLRED | *The Deseret News* for the Great Salt Lake Collective

The Great Salt Lake's southern arm, shown in mid-February, is already higher now than it has been in four years, and a report states it could reach a level it hasn't reached since 2017.

## Utah's snowpack in Great Salt Lake basin



Natural Resources Conservation Service

This graph shows Utah's snowpack levels within the Great Salt Lake basin (black line) as compared to other snowpack collections over the past four decades. The green line represents the median average from 1991 to 2020.

Brian Steed, Utah's Great Salt Lake commissioner, said last month he was thrilled with the previous outlook as the state of office — created last year — continues to find ways to get water to

the lake.

"It's still not healthy, but it's closer to healthy than we have been anytime since 2019," Steed said. "We're really happy to (potentially reach 4,195 feet

elevation) there this year."

*Published through the Utah News Collaborative, a partnership of news organizations that aims to inform readers across the state.*

# Mountain snow, the spring runoff and what to expect

By Amy Joi O'Donoghue  
Deseret News

The wet months of January, February and March boosted Utah's overall snowpack and promise to bring above average runoff to most areas of the state.

It is hard to predict with a firm sense of certainty of what's to come, officials say, because spring can behave like a temperamental teenager.

"Springtime in Utah is more like a roller coaster than a cruise," said Glen Merrill, hydrologist with the National Weather Service in Salt Lake City.

Merrill and other water experts met Tuesday in their monthly water supply and forecast meeting to discuss current conditions and what to expect next.

Most reservoirs are expected to fill, and those at a lower capacity like some in the Weber-Ogden Basin are in that situation because they are already making downstream releases to allow room for the coming snowmelt.

The snowmelt is here, with the lower elevation snow coming off quickly.

Across the state, the snow water equivalent, or SWE, sat at 131% of normal as of early April.

Basin conditions include Bear River, 119% of normal; Weber, 133% of normal; Provo, 133% of normal; and southwestern Utah, 108% of normal.

## What's next?

The early part of April started out dry, but then Ogden received an inch of rain in this latest storm that hit Sunday into Monday.

Some observers may call this an unsettled weather pattern, but Merrill and some other experts at the meeting said this is the recipe they hope for in the coming months: a warming up period, followed by cooling down and then repeat.

What they don't want, he emphasized, is a monstrous storm event packed with rain and snow and then an extended period of days that reach the 90s. With May historically one of the wettest months, there's reason to believe that slow and steady might be the pace.

So far, the short-term forecasts and longer range outlooks deliver some room for hope and optimism in the coming weeks, but any one outcome is possible, Merrill said.

Gary Henrie, an engineer with the U.S. Bureau of Reclamation, is often asked to use his car analogies to describe current conditions or what to expect.

In this case with weather patterns, the weather is warming up — but not excessively so — much like revving the engine. Then Mother Nature delivers some wet weather and cooler temperatures, and the car slows down



Water rushes downstream in Big Cottonwood Creek in Big Cottonwood Canyon on Tuesday.

Jeffrey D. Allred, Deseret News

to brake going around the curve.

What forecasters, water managers and residents don't want to see is a full-throttle, pedal to the floor period when it comes to dry, hot conditions that persist. The engine will overheat.

Henrie said last year's snowpack helped the struggling Lake Powell to come up 44.2 feet. This year, while uncertainty still exists, officials are anticipating a possible rise of 8.6 feet at Lake Powell. It is still not enough to steer the country's second largest man-made reservoir out of trouble — sitting at 33% of capacity — but every drop helps.

And with reservoirs full and a high runoff expected in rivers and streams, Jordan Clayton said there may be just over a million acre feet of water destined to hit the Great Salt Lake. It is a hopeful prediction, but as with Lake Powell, it will not fill the bucket. Still, it would roughly be 140% of average from April until the end of July.

Clayton, the Utah Snow Survey supervisor with the Natural Resources Conservation Service, said the agency has built a new page on its website dedicated to the Great Salt Lake for those who want to learn more.

## Will it flood?

Trevor Grout, with the Colorado River Basin Forecast Center, said in the meeting the streamflow forecasts may seem high, but they were not as high as last year. While it depends on the weather, he emphasized, "Nothing is expected to hit critical threshold."

Henrie added that water managers have been on top of releases and are keenly tracking streamflow, reservoir levels and the way to hang onto storage capacity while still letting water run downstream and monitoring flooding potential.

"I think we are well placed to deal with these volumes," Henrie said.

And drought?

According to the U.S. Drought Monitor's latest evaluation, most of Utah is in not in any drought so far, and only the eastern portions of the state are in abnormally dry conditions or moderate drought. That is not say that Mother Nature might put it in full throttle next year and let the state overheat.

ENVIRONMENT

# A new plan for the Great Salt Lake Basin is out. Will it help?

By Amy Joi O'Donoghue  
Deseret News

The Utah Division of Water Resources and the Bureau of Reclamation announced Monday the finalization of the “work plan” for the Great Salt Lake Basin Integrated plan, which charts the course for developing the overall strategy.

The document comes after a 65-day comment period and was updated in response to recommendations and incorporates specific actions necessary for completing the final product.

“The Great Salt Lake holds a profound importance for Utah, serving as a critical element in our environment, economy and cultural heritage,” said the Division of Water Resources Director Candice Hasenyager. “This finalized work plan marks a significant stride in our commitment to tackling intricate challenges in preserving and safeguarding this extraordinary asset.”

It was funded by \$5 million from the Utah Legislature in 2022 via HB429 and \$3.1 million from Reclamation’s basin study program.

“Aridification in the western U.S. is a pressing issue that demands collaboration and action,” said Reclamation’s Upper Colorado Basin Regional Director Wayne Pullan. “Working together to find solutions that chart a path to a sustainable future for our water resources is essential for addressing the challenges that face the Great Salt Lake.”

The plan addresses:

- Assessing current surface and groundwater supply in the Great Salt Lake Basin.
- Forecasting future water demands.
- Investigating potential benefits of forest management and watershed restoration.
- Coordinating efforts to quantify and incorporate demand into the water supply and demand model.
- Identifying and evaluating best management practices to provide a reliable water supply to quantify and incorporate demand into models.

Additionally, the plan emphasizes identifying the tradeoffs in relation to impacts on water users throughout the basin and avoiding deterioration of agriculture,



Jeffrey D. Allred, Deseret News

The Great Salt Lake is pictured on Feb. 17. The Utah Division of Water Resources and the Bureau of Reclamation announced Monday the finalization of the “work plan” for the Great Salt Lake Basin Integrated plan.

industry and ecosystems, as well as developing “holistic” ways to manage water resources.

“The tools the work plan is developing will provide vital information and guidance as we work to get the Great Salt Lake to a healthy range and sustain it from there,” said Great Salt Lake Commissioner Brian Steed.

In its executive summary, the Utah Division of Water and U.S. Bureau of Reclamation noted the ongoing challenges in a climate that over the years has become increasingly arid.

“Declining water levels in our lakes, reservoirs, rivers, and the Great Salt Lake emphasize that our water supply is limited. Continued growth places additional demands on a water supply already declining due to

drought and climate change. A resilient water supply that supports the requirements of all uses within the watershed is needed for generations to come,” it said. “Ensuring a resilient water supply requires extraordinary vision and a collaborative effort. Solutions remain socially and technically complex as demands on this limited resource continue to increase.”

The legislation approved in the 2022 state Legislature mandated the full plan be completed by Nov. 30, 2026, setting the stage for possible additional legislative tools as water managers and other experts look to safeguarding and improving water resources in the Great Basin. A copy of the work plan is available on the Utah Department of Natural Resources’ website.

There is ongoing work to address water scarcity and build more water wise approaches into communities, but it can move slowly.

Lawmakers noted earlier this session that too many communities in the Great Salt Lake drainage, for example, lack a water conservation plan and represent 40% of the population.

The lawmakers’ resolution, HJR27, sponsored by Rep. Doug Owens, D-Millcreek, did not force the adoption of new standards, but encouraged them.

It did not pass because of time constraints. However, he sponsored HB11 requiring water efficiency standards for new construction in government buildings such as schools and other buildings. It passed and was signed by the governor.

# GOING WITH THE FLOW



SPENSER HEAPS, UTAH NEWS DISPATCH

Rep. Blake Moore, R-Utah, and Rep. Jimmy Panetta, D-Calif., ride an airboat on a tour of the Willard Bay portion of the Great Salt Lake on March 18.

## Utah's new plan for Great Salt Lake Basin 'to ensure an ongoing, resilient water supply'

**BY KYLE DUNPHEY**  
Utah News Dispatch

A new water management plan for the Great Salt Lake Basin was completed earlier this week, which the state hopes will ensure an ongoing, resilient water supply for northern Utah.

The Great Salt Lake Basin is comprised of five smaller basins — the Bear, Weber and Jordan rivers, Utah Lake and the West Desert. There are many models in each basin analyzing how water flows and eventually ends up in the Great Salt Lake. The recently completed plan is an attempt to merge each model together to better understand water resources across the entire Great Salt Lake Basin.

“The Great Salt Lake holds a profound im-

portance for Utah, serving as a critical element in our environment, economy and cultural heritage,” said Candice Hasenyager, Division of Water Resources Director, in a statement. “This finalized Work Plan marks a significant stride in our commitment to tackling intricate challenges in preserving and safeguarding this extraordinary asset.”

The plan is a result of an “unprecedented collaborative effort” between the U.S. Bureau of Reclamation, which helps manage water systems and develop water infrastructure projects, and the Utah Division of Water Resources. It's funded by HB429, which passed the legislature in 2022 and allocated \$5 million to the division to complete the plan.

The Bureau of Reclamation is also using \$3.1 million from a recent program designed to analyze basins around the West.

“Aridification in the western U.S. is a pressing issue that demands collaboration and action,” said Wayne Pullan, the bureau's Upper Colorado Basin Regional Director, in a statement. “Working together to find solutions that chart a path to a sustainable future for our water resources is essential for addressing the challenges that face the Great Salt Lake.”

The Division of Water Resources laid out the basics of the plan in a statement on Monday. It would:

# Water

From A1

- Assess the current supply of surface and groundwater – water found underground, sometimes in aquifers – in the Great Salt Lake Basin.

- Forecast for future water demands in northern Utah.

- Investigate the benefits of watershed restoration and forest management.

- Identify the best ways to provide a reliable water supply.

- Analyze the “trade-offs” in each river basin to assess the “costs and benefits” of meeting certain water conservation goals. That includes trying to avoid “deterioration of agriculture, industry and ecosystems.”

- Recommend strategies for “holistic” water management.

Documents from the division say the

plan will “collaboratively explore options to address water supply imbalances, increase supply reliability and avoid degradation of the vital Great Salt Lake ecosystem.”

The plan identifies certain tools to be developed over the next two years – things like measuring water depletion, water metering, municipal and industrial conservation and agricultural optimization – that have also been incorporated into Utah’s Great Salt Lake Strategic Plan.

“The tools the Work Plan is developing will provide vital information and guidance as we work to get the Great Salt Lake to a healthy range and sustain it from there,” said Great Salt Lake Commissioner Brian Steed.

The Great Salt Lake has been declining for years – in 2021, it hit a historic low of 4,191.3 feet. The shrinking lake exposes toxic dust contaminated with ar-

senic that pollutes the air and can cause a number of diseases and health complications.

However, the current level of the south arm of the lake is now just over 4,194 feet, which surpasses last year’s high point, according to data from the state. There’s plenty of spring runoff to come, with current snow water equivalent – essentially the water content currently in the snowpack – at about 128% of the median for this time of year.

That has officials cautiously optimistic.

“It’s still not healthy,” said Steed during a media briefing in late March, “but it’s closer to healthy than we have been at any time really since 2019.”

Utah News Dispatch is a nonprofit, nonpartisan news source covering government, policy and the issues most impacting the lives of Utahns.



FRANCISCO KJOLSETH | The Salt Lake Tribune

The dark waters of Mill Creek combine with the flow of the Jordan River on Wednesday. Utah Lake has reached a point that requires Salt Lake County officials to open the spigot to the Jordan River to prevent lake levels from rising further.

# Jordan River will run high, cold and fast — possibly into August

Despite a second straight year of above-average snowfall in Wasatch Mountains, county officials believe flooding risk is lower than last year.

By JOSE DAVILA IV

The Salt Lake Tribune

Spring runoff has arrived with rising temperatures and the Wasatch snowpack hitting its peak in many places.

After last year's record winter, the reservoirs that help manage the Wasatch Front's water supplies are full and the once-dry soils are saturated. With another above-average winter giving way to warmer temperatures, the snowmelt has to go somewhere.

Salt Lake County officials predict the Jordan River will run cold, high and fast through the summer as it delivers significant amounts of water to the Great Salt Lake. Utah Lake has reached a point that requires officials to open the spigot to the Jordan River

to prevent lake levels from rising further. Even if the river's flows are higher than normal, the county's flood control and watershed experts believe flooding risk will remain relatively low based on long-term weather forecasts and expected gradual melting.

"The biggest issue we're seeing right now is the releases from Utah Lake to the Jordan River," county flood control director Kade Moncur told the County Council on Tuesday. "Anywhere between 800 and 1,500 [cubic feet per second], and that's double of what we saw last year, right? Already we're seeing more water in the Jordan River than we did see last year."

The amount of water locked in the Wasatch Range's snowpack sits at 130% of normal.

The two high-elevation reservoirs in the Jordan River Basin, Jordanelle and Deer Creek, are already full from last year's record-breaking season. Utah Lake, where the headwaters of the Jordan River are managed by pumps and gates, is at a level where it cannot store any more water.

Utah Lake's gates are already open and letting water into the Jordan River, so as more snow melts, Moncur expects to see the river run higher and harder than it is now.

County officials predict peak flows on the river and its tributaries, like Emigration Creek and Mill Creek, will come earlier than usual. High water has already closed parts of the Jordan River Trail.

Please see JORDAN RIVER, A4

# Jordan River

» *Continued from A1*

Officials hope that warm stretches of weather are punctuated by cooler temps so the snow doesn't melt all at once. For now, forecasts are cooperating.

"We like the water. We want it to come down. We want it to come down in a managed fashion and all things are pointing to that at this moment," said Bob Thompson, the county's watershed manager. "But we do expect it, like always, to be high, fast and cold, so safety is always an issue."

The worst-case scenario, Moncur, the flood control director, said, would be if the basin saw 10 days in a row with highs over 90 degrees in June. A stretch like that could lead to flooding but, for now, it's looking unlikely.

Regardless, county officials say they're better prepared than they were last year. They've cleared debris from creeks and dredged 10 detention basins countywide. At Parleys and Emigration creeks, flood control officials have deployed equipment to deal with any excess runoff.

County officials also warned residents to use caution and keep children and pets away from water when recreating near creeks and on the Jordan River Trail.

# Utah's reservoirs and streams in 'impressive' shape, state says

BY KYLE DUNPHEY  
Utah News Dispatch

Utah's streams and reservoirs are in good shape heading into the spring, with the snowpack likely seeing its peak for the season and runoff expected to bring more water down from the mountains in the coming weeks.

The Utah Division of Water Resources on Thursday reported the state's reservoirs at about 85% ca-

capacity, which officials say is "impressive" for this time of year. The announcement comes on the heels of an above average winter, with Utah seeing about 132% of the normal snow water equivalent — essentially how much water is in the snowpack — at the beginning of April.

March alone brought 150% of normal snow water equivalent, and 156% of normal precipitation.

That brings the water year, which

is defined as the 12-month period from Oct. 1 to Sept. 30, to about 117% above normal. Across the state, the snowpack appears to have reached a peak of 18.8 inches in early April.

"The timing and magnitude of our snowpack peak plays a crucial role in our water management strategies," said Candice Hasenyager, director of the Division of Water Resources, in a



SPENSER HEAPS, UTAH NEWS DISPATCH

Please see **WATER**, Page A4

The Willard Bay portion of the Great Salt Lake is pictured March 18.

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## Water

From A1

statement. “We have all this snow still in the mountains, and we need to pay attention to how it melts.”

Reservoirs around the state are currently averaging about 20% above normal capacity for this time of year, with many reservoirs releasing water to make way for spring runoff. Deer Creek reservoir is currently at 96% capacity, with Strawberry at 92%, Echo at 85% and Jordanelle at 81%.

That’s a stark contrast to last year, when the statewide reservoir capacity was around 50%.

“Spring runoff is really where the magic happens for water supply,” Hasenyager said. “Knowing how much water to release and estimating how much water will make its way into the reservoir requires continual monitoring.”

State data also points to 60% of Utah’s streams flowing at normal to above-normal levels. That water is giving a needed boost to the Great Salt Lake, which hit a historic low of 4,191.3 feet in 2021. The division on Thursday reported a 2.5 foot rise in levels since October, bringing the elevation of the lake’s south arm up to 4,194.5 feet as of Friday.

Most of Utah’s water supply – an estimated 95% – comes from the snowpack. Spring runoff will continue to result in

above-average, sometimes dangerous, flows near streams and rivers. The state is urging residents to be cautious, with the high volume resulting in “treacherous” conditions, especially for children and pets.

“Rising temperatures, while beneficial for spring runoff, require careful monitoring. A balance must be maintained to avoid both flooding from rapid melting and inadequate water replenishment from slow melting,” reads a press release from the Division of Water Resources.

Utah News Dispatch is a nonprofit, nonpartisan news source covering government, policy and the issues most impacting the lives of Utahns.

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## SPRING RUNOFF



CURTIS BOOKER, DAILY HERALD

The Provo River can be seen running at a high level near the Geneva Road bridge trailhead on Sunday.

# AQUATIC AWARENESS

Provo River flooding  
not anticipated, but  
the city is monitoring  
high water flows

BY CURTIS BOOKER  
Daily Herald

Rising temperatures also means a rise in water levels in Utah's reservoirs, rivers and streams. Spring runoff already is having an impact on portions of the Provo River, causing flows to run high and fast.

Within the past week, the river is averaging a streamflow of 680 cubic feet per second. That's higher than normal, according to Jacob O'Bryant, floodplain manager for Provo City, but he's not ruling out higher stream flows as the runoff season continues.

"The river can hold closer to 1,800 or 2,000 cubic feet per second. So it's still higher than normal, and that's because of spring runoff time. But it can get to be quite a bit greater flow rate; it probably will in the next

Please see **PROVO RIVER**, Page A6

## Provo River

From A1

few weeks," O'Bryant said.

An area along the Provo River Trail experiencing high water is under the Geneva Road bridge. Last week, out of abundance of caution, the city's parks department closed the section of the trail because water has seeped onto the concrete, but the spillover isn't necessarily related to flooding, city officials say.

Doug Robins, Provo's parks and recreation director, explained that during spring runoff when high water accumulates, low-lying bridge tunnels under crossings may be impacted because the pumps can't keep

up with fast-moving water. He further explained that the situation isn't uncommon and crews are monitoring bridge crossings along the river.

While river levels are high, the risk is not as dire compared to last spring, following a record-breaking snow year.

Last year, O'Bryant said, the snow water equivalent on nearby mountains that provides water into the river was around 40 inches. This year was just over 20 inches, he added, 14 of which already has melted off.

The Provo River is fed by nearby tributaries, including Jordanelle and Deer Creek reservoirs. O'Bryant says officials expect it to run high as the reservoirs release flows into the river, but he doesn't foresee it running as high as last year.

But caution is still advised. "Anytime we have the river full, we have the concern of keeping an eye on the levees, keeping people away when we get really high flow rates, especially small children," O'Bryant said.

The Provo River is still under 75% of flooding stage, according to the KSL River flow tracker. Further north, the American Fork River is running slightly higher at around 80% of flood stage.

Though flooding isn't anticipated, crews took precautionary measures by cleaning debris out of the river following last spring.

"We're still keeping an eye on it, but a lot was done last year that helps us out to be ready this year," O'Bryant told the Daily Herald.

Gordon Haight, director of public works for Provo, agrees. In the event conditions change, he says the city still has sandbags left from last year, and the city is constantly monitoring snowpack levels.

Crews will continue to monitor conditions, specifically if there is heavy rain from an intense storm.

"There's never a zero (percent) chance for flooding. But we feel really good with the infrastructure the city's put in and with the effort in watching everything that's going on throughout the city," Haight said.

In the meantime, officials encourage residents to exercise caution near riverbanks and bodies of water, keep pets on a leash and supervise small children closely.

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# Great Salt Lake is up, but it still isn't healthy — and likely won't be for a while

By MEGAN BANTA  
*The Salt Lake Tribune*

*This article is published through the Great Salt Lake Collaborative, a solutions journalism initiative that partners news, education and media organizations to help inform people about the plight of the Great Salt Lake — and what can be done to make a difference before it is too late. Read all of our stories at [greatsaltlakenews.org](https://greatsaltlakenews.org).*

Utah officials expect The Great Salt Lake to rise by another foot to 18 inches or so amid spring runoff. “This is both a hope and a guess that we may reach 4,195.5, maybe up to 4,196,” said Deputy Great Salt Lake Commissioner Tim Davis.

While that would continue what Great Salt Lake Commissioner Brian Steed described as a “great” and “remarkable” recovery for water levels, it still wouldn’t make the lake healthy.

But it would greatly improve the lake’s ecology.

On Tuesday, the lake level was 4,194.7 feet above sea level in the south arm as measured by the

U.S. Geological Survey at Saltair Boat Harbor and 4,191.4 feet in the north arm as measured just northwest of Promontory Point.

While that’s above the highest elevation level at any point last year, it’s still below the minimum “healthy level” of 4,198 feet by at least a yard and some change. The Utah Department of Natural Resources set the healthy range of the lake between 4,198 and 4,205 feet above sea level, and Steed confirmed the state is still using that level.

There are challenges to reaching 4,198 feet, Steed said, because the lake spreads as it rises, leading to more evaporation and slower recovery.

“It’s not a one-to-one where you have the inputs and ... it goes up at the same level,” he said. “Unless we have a continued series of really great winters, we’re going to be in this for a long haul.”

The state has projected it will take more than 400,000 acre-feet of additional water per year to get the lake to healthy levels, Steed said. That’s the equivalent of about 130.3 billion gallons or 266,000



Water levels are up in Bear River Bay during a fly-over of the Great Salt Lake with EcoFlight earlier this month.

MEGAN BANTA  
*The Salt Lake Tribune*

Olympic swimming pools.

The lake average hasn’t been at a healthy level in over two decades and hit its all-time low in fall 2022.

But, in some good news, it’s close to 4,195 feet — a level Steed said is categorized as “some adverse impacts” to the animals and plants that depend on the lake.

“We are in a much, much healthier space ecologically than we had been in the runoff up to this time,” Steed said.

Salinity levels are also good in the south arm, he said, making for a large brine shrimp harvest and expectations of a large brine fly population for migratory birds.

The lake is similar to where it was in 2019, he said. That’s good,

but not great.

South arm levels have been artificially high because the state sealed a railroad causeway to help keep the lake viable.

Officials intend to keep that breach open this year, Steed said, to help the north arm recover.

They will approach whether to raise the breach year by year, he said, with some hard cutoffs like raising it if the south arm gets down to 4,190 feet.

Another piece of good news: Reservoirs along tributaries that feed the Great Salt Lake are “remarkably healthy,” Steed said. Between those water levels and the snowpack, he said, officials expect more releases of water into

the lake.

Utah is “learning as we go” about how much water needs sent into the lake, Steed said.

Officials are having lots of conversations now with farmers, agriculture groups and municipal water districts to talk about water conversation, delivery and retention, Davis said.

“It’s going to take everyone working together to save water, get it to the lake and make sure it stays there,” he said.

**Megan Banta** is *The Salt Lake Tribune’s* data enterprise reporter, a philanthropically supported position. *The Tribune* retains control over all editorial decisions.

# Utah's snowpack has melted in a 'reasonable manner' so far, National Weather Service says

By Carter Williams  
KSL.com

Close to slightly below-normal temperatures have helped Utah's above-average snowpack melt "in a reasonable manner," and the current weather outlook is showing promising signs as the state's high-level snowpack begins to melt, federal forecasters say.

Most of the state's low- and mid-elevation snowpack has already melted without too many problems, said Hayden Mahan, a meteorologist at the National Weather Service, in a video update to the state's water situation that the agency posted on Monday.

"We just have that high-elevation snowpack that is starting to become primed for melting off and should do so here over the next few weeks. There's still a lot of water in the high elevations — upward of 2-plus feet of water for some locations, specifically (in) the northern mountains," he said.

## What has helped so far

Utah's statewide snowpack — the amount of water in the mountain snow — reached 18.8 inches of snow water equivalent on April 2. About one-third of that has melted over the past three weeks, according to Natural Resources Conservation Service data.

Mahan explained that the state has avoided issues, so far, largely because of the temperatures since meteorological spring began in March.

While Utah posted its sixth-warmest winter on record, spring has been closer to normal. Utah's average temperature was 0.6 degrees below the 30-year normal in March, while meteorological winter was 3.2 degrees above the seasonal normal, per the National Centers for Environmental Information.

That hasn't changed much in April. For example, Alta's average temperature this month is on pace to be just 0.5 degrees above normal after the first three weeks of the month. Mahan shared a map that shows many locations in the state have been close to or slightly below the 30-year normal through mid-April.

This, in turn, has helped melt the state's snowpack in a "reasonable manner." It's very similar to last year, which ultimately helped the state avoid severe flooding concerns as



Jeffrey D. Allred, Deseret News

Snow lines the Big Cottonwood Creek in Big Cottonwood Canyon on April 16. The National Weather Service says Utah's high-elevation snowpack will begin to melt in earnest over the next few weeks. The 12.4 inches in the average snowpack is 1.4 inches above the 30-year normal for April 23.

its record-breaking snowpack melted.

"We're not warming things up rapidly to where we're melting off heaps of snow and bringing down a lot of water," he said. "We're doing it at a steady pace, which is what we'd like to see."

## What's expected for the rest of spring

Last year's snowpack drastically changed reservoir levels in the state, which is why Utah's reservoir system is already within one percentage point from last year's peak of 86% capacity. There's still plenty of snow left to melt even if the current snowpack level is now half of what it was this time last year, which will help many reservoirs refill again this year.

The 12.4 inches left in the average snowpack by Tuesday morning is 1.4 inches above the 30-year normal for April 23. It's also about 4.6 inches above the total in 2022 and 5 inches

above the level in 2021. The current level is also higher than the peak snowpack level in both 2021 and 2022.

That said, the outlooks remain favorable as the high-elevation snowpack melts.

KSL meteorologist Matt Johnson said a few small storms coming from the Gulf of Alaska are forecast to arrive by the second half of this week. The storms are forecast to bring in some precipitation and also drop high temperatures from high-70s and low-80s along the Wasatch Front back down into the 50s and 60s by the end of the workweek. That will help calm down the active snowmelt.

The National Weather Service Climate Prediction Center lists almost all of Utah as having "equal chances" when it comes to temperature and precipitation next month. That means there's no clear signal if conditions will be above, below or close to normal in May. That could also mean there's

a mix of hot and dry weather met with cooler and wetter weather, much like has been the case since spring began.

It's not until June and July that the probability of above-normal heat ramps up, but most of the snowpack could be melted by then.

As such, the Colorado Basin River Forecast Center projects about a zero percent to less than 10% chance that Utah's major rivers and streams will reach flood stage this year, which is a good sign. But Mahan said there will still be some safety risks until the snowpack is all melted.

"They will still be running high, fast and cold, so you're going to want to be careful if you're out recreating by any of these tributaries," he said.

Public safety experts say people should pay close attention to children or pets when near any stream, creek or river, especially during the snowmelt process.