



JORDAN VALLEY WATER
CONSERVANCY DISTRICT

**BOARD MEETING
OF THE BOARD OF TRUSTEES
FEBRUARY 14, 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, February 14, 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/1651/jvwcd-board-meeting>)

Agenda

1. Call to order and introduction of visitors
2. Administration of Oath of Office to newly appointed Trustees
 - a. Karen D. Lang, Division 1
 - b. Andy Pierucci, Division 8
 - c. Dawn R. Ramsey, Division 5
 - d. John B. Richardson, Division 6
 - e. Corey L. Rushton, Division 1
3. Consider adoption of Resolution No. 24-02, "Of Appreciation to Sherrie L. Ohrn for her Service on the Board from February 2020 to February 2024"
4. Consider adoption of Resolution No. 24-03, "Of Appreciation to A. Reed Gibby for his Service on the Board from February 2020 to February 2024"
5. Approval of common consent items:
 - a. Minutes of the Executive Committee meeting held January 8, 2024, and the regular Board meeting held January 10, 2024
 - b. Trustees' expenses report for January 2024
6. Public comments
7. Core Mission Reports
 - a. Water supply update
 - b. Water quality update
8. Standing Committee Reports
 - a. Finance update
 - b. Conservation update
9. Engineering activities
 - a. Consider authorization to award a construction contract for 2024 Distribution Pipeline Replacements – Lakeside Drive Area
 - b. Consider authorization to award a construction contract for Southeast Regional Water Treatment Plant Asphalt Replacement
 - c. Consider approval of grant of easement to Questar Gas Company, dba Dominion Energy Utah, at 4408 South 4800 West

JORDAN VALLEY WATER CONSERVANCY DISTRICT

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February 2024
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10. Reporting items:
 - a. Legislative update report
 - b. Central Utah Project/CUWCD activities report
 - c. Report on easement encroachment agreements signed by the General Manager
 - d. Report on District performance indicators for December 2023
 - e. Capital projects report for January 2024
 - f. Report on Media Coverage
11. Upcoming meetings:
 - a. Conservation Committee meeting, Monday, March 11, at 3:00 p.m.
 - b. Executive Committee meeting, Monday, March 11, at 3:00 p.m.
 - c. Finance Committee meeting, Monday, March 11, 3:15 p.m.
 - d. Annual Board meeting, Wednesday, March 13, at 3:00 p.m.
 - e. Finance Committee meeting, Monday, March 25, at 3:00 p.m.
 - f. Consider approval to cancel the Conservation Committee meeting scheduled for March 11, at 3:00 p.m.
12. Closed meeting shall be held electronically and in person with Trustees
 - a. Discussion of sale or purchase of real property and/or water rights or water shares
13. Open meeting
14. Adjourn

Date: February 13, 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 Beverly Parry at 801-565-4300.



2024

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Notes

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JORDAN VALLEY WATER CONSERVANCY DISTRICT

ACRONYMS AND ABBREVIATIONS

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

JORDAN VALLEY WATER CONSERVANCY DISTRICT

ACRONYMS AND ABBREVIATIONS

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

JORDAN VALLEY WATER CONSERVANCY DISTRICT

ACRONYMS AND ABBREVIATIONS

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

JORDAN VALLEY WATER CONSERVANCY DISTRICT

ACRONYMS AND ABBREVIATIONS

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



UTAH STATE SENATE

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November 16, 2023

The Honorable Spencer J. Cox
Governor, State of Utah
State Capitol Building, Suite 200
Salt Lake City, UT 84114

Dear Governor Cox:

President J. Stuart Adams has asked me to inform you that on November 15, 2023, the Senate confirmed the following appointments:

Board of State History:

Spencer Hall is reappointed as a public member for the Board of State History, a term to expire October 31, 2027. See Utah Code 9-8-204(2).

Margaret Olson is reappointed as a public member for the Board of State History, a term to expire October 31, 2027. See Utah Code 9-8-204(2).

Ignacio Garcia is reappointed as a public member for the Board of State History, a term to expire October 31, 2027. See Utah Code 9-8-204(2).

Emily Larsen is appointed to replace David Lewis as a public member for the Board of State History, a term to expire October 31, 2027. See Utah Code 9-8-204(2).

Mike Brenchley is appointed to replace David Richardson as a public member for the Board of State History, a term to expire October 31, 2027. See Utah Code 9-8-204(2).

Commission on Criminal and Juvenile Justice:

Thomas Kay is appointed to replace Judith Atherton as the citizen member for the Commission on Criminal and Juvenile Justice, a term to expire January 1, 2027. See Utah Code 63M-7-202(2)(d).

Drinking Water Board:

David Pitcher (U) is reappointed as a member representing a water district for the Drinking Water Board, a term to expire May 8, 2027. See Utah Code 19-4-103(1)(b)(iii).

Blake Tullis (R) is reappointed as a member from an institution of higher education with expertise in water research for the Drinking Water Board, the remainder of the term to expire May 8, 2027. See Utah Code 19-4-103(1)(b)(v)(B).

Great Salt Lake Advisory Council:

Ryan Doherty is appointed to replace Daniel Tuttle as a member representing Tooele County for the Great Salt Lake Advisory Council, a term to expire June 1, 2027. See Utah Code 73-32-302(2)(a)(vi)(D).

Jordan Valley Water Conservancy District Board of Trustees:

Andy Pierucci is appointed to replace Sherrie Ohrn as a member for the Jordan Valley Water Conservancy District Board of Trustees, a term to expire January 31, 2028. See Utah Code 17B-2a-1005.

Corey Rushton is reappointed as a member who represents investing experience for the Jordan Valley Water Conservancy District Board of Trustees, a term to expire January 31, 2028. See Utah Code 17B-2a-1005.

Karen Lang is reappointed as a member who represents investing experience for the Jordan Valley Water Conservancy District Board of Trustees, a term to expire January 31, 2028. See Utah Code 17B-2a-1005.

State Money Management Council:

Scott Burnett (R) is reappointed as a member who represents investing experience for the State Money Management Council, a term to expire June 30, 2027. See Utah Code 51-7-16(1)(b)(iv).

Board of Financial Institutions:

Andrea Moss is appointed to replace Ronald Ostler as a member who represents the Industrial Bank Industry for the Board of Financial Institutions, a term to expire July 1, 2027. See Utah Code 7-1-203(1)(c).

William Tingey is reappointed as a public member for the Board of Financial Institutions, a term to expire July 1, 2025. See Utah Code 7-1-203(1)(e).

Paul Atkinson is reappointed as a member who represents credit union business for the Board of Financial Institutions, a term to expire July 1, 2026. See Utah Code 7-1-203(1)(d).

Brad Baldwin is reappointed as a member who represents a commercial banking business for the Board of Financial Institutions, a term to expire July 1, 2025. See Utah Code 7-1-203(1)(a).

Kip Cashmore is reappointed as a member from the deferred deposit lending industry for the Board of Financial Institutions, a term to expire July 1, 2027. See Utah Code 7-1-203(1)(b).

Utah Housing Corporation Board of Trustees:

Annette Lowder (D) is reappointed as a mortgage lending industry representative for the Utah Housing Corporation Board of Trustees, a term to expire May 31, 2027. See Utah Code 63H-8-201(2)(d)(i).

Jessica Norie (D) is reappointed as the home building industry representative for the Utah Housing Corporation Board of Trustees, a term to expire May 31, 2027. See Utah Code 63H-8-201(2)(d)(ii).

Utah State University Board of Trustees:

Clark Whitworth is appointed to replace Wayne Niederhauser as a member for the Utah State University Board of Trustees, a term to expire June 30, 2027. See Utah Code 53B-2-104.

Sincerely,

A handwritten signature in black ink that reads "Phalin L. Flowers". The signature is written in a cursive style with a large, circular flourish at the beginning of the word "Phalin".

Phalin L. Flowers
Secretary of the Senate
Utah Senate



UTAH STATE SENATE

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January 20, 2024

The Honorable Spencer J. Cox
Governor, State of Utah
State Capitol Building, Suite 200
Salt Lake City, UT 84114

Dear Governor Cox:

President J. Stuart Adams has asked me to inform you that on January 19, 2024, the Senate confirmed the following appointments:

Utah Department of Cultural and Community Engagement:

Donna Law is appointed to replace Jill Remington Love as the executive director of the Utah Department of Cultural and Community Engagement. See Utah Code 9-1-201.1(1).

Jordan Valley Water Conservancy District Board of Trustees:

John Richardson is appointed to replace Reed Gibby as the Draper City representative for the Jordan Valley Water Conservancy District Board of Trustees, a term to expire January 31, 2028. See Utah Code 17B-2a-1005(2)(c).

Dawn Ramsey is reappointed as the South Jordan representative for the Jordan Valley Water Conservancy District Board of Trustees, a term to expire January 31, 2028. See Utah Code 17B-2a-1005(2)(c).

Political Subdivisions Ethics Review Commission:

Jim Evans is appointed to replace Joseph Jenkins as a municipal council member for the Political Subdivisions Ethics Review Commission, a term to expire March 1, 2027. See Utah Code 63A-15-201(2)(e)(ii).

Stephen Roth is appointed to replace Sheila McCleve as a member who has served, but no longer serves, as a judge of a court for the Political Subdivisions Ethics Review Commission, a term to expire March 1, 2027. See Utah Code 63A-15-201(2)(a).

Private Activity Bond Review Board:

Amelia Powers Gardner is appointed to replace Ricky Hatch as an elected or appointed county official, nominated by the Utah Association of Counties for the Private Activity Bond Review Board, a term to expire January 1, 2028. See Utah Code 35A-8-2103(1)(b)(i).

State Money Management Council:

Stephen Dawson (U) is appointed to replace S. Ted Elder as a member for the general public treasurer position for the State Money Management Council, a term to expire March 1, 2027. See Utah Code 51-7-16 (1)(b)(iii).

Utah Indigent Defense Commission:

Aaron McKnight is appointed to replace Heather Schriever as a member recommended by the Utah League of Cities and Towns for the Utah Indigent Defense Commission, a term to expire June 15, 2027. See Utah Code 78B-22-402(1)(b)(viii).

Utah State Developmental Center Board:

Deanna Wall is appointed to replace Laura Anderson as a member of the general public for the Utah State Developmental Center Board, a term to expire May 10, 2028. See Utah Code 26B-1-429(2)(e)(i).

Utah State University Board of Trustees:

David Petersen is reappointed as a member for the Utah State University Board of Trustees, a term to expire June 30, 2027. See Utah Code 53B-2-104.

Jacey Skinner is reappointed as a member for the Utah State University Board of Trustees, a term to expire June 30, 2027. See Utah Code 53B-2-104.

Gina Gagon is reappointed as a public member for the Utah State University Board of Trustees, a term to expire June 30, 2027. See Utah Code 53B-2-104.

David Huntsman is reappointed as a member for the Utah State University Board of Trustees, a term to expire June 30, 2027. See Utah Code 53B-2-104.

Weber Basin Water Conservancy District Board of Trustees:

Randy Elliot is reappointed as the Davis County representative for the Weber Basin Water Conservancy District Board of Trustees, a term to expire January 31, 2028. See Utah Code 17B-2a-1005(2)(c).

Gage Froerer is appointed to replace Marlin K. Jensen as the Ogden Valley representative for the Weber Basin Water Conservancy District Board of Trustees, a term to expire January 31, 2028. See Utah Code 17B-2a-1005(2)(c).

Scott K. Jenkins is reappointed as the Weber County representative for the Weber Basin Water Conservancy District Board of Trustees, a term to expire January 31, 2028. See Utah Code 17B-2a-1005(2)(c).

Angie Osguthorpe is reappointed as the Weber County representative for the Weber Basin Water Conservancy District Board of Trustees, a term to expire January 31, 2028. See Utah Code 17B-2a-1005(2)(c).

Sincerely,



Phalin L. Flowers
Secretary of the Senate
Utah Senate

OATH OF OFFICE

I, Karen D. Lang, do solemnly swear that I will support, obey, and defend the Constitution of the United States and the Constitution of this State, and that I will discharge the duties of my office with fidelity.

Dated: February 14, 2024

Karen D. Lang

STATE OF UTAH)
 :SS.
COUNTY OF SALT LAKE)

Subscribed and sworn to before me this 14^h day of February 2024.

Commission expires: _____

NOTARY PUBLIC
Residing in _____

OATH OF OFFICE

I, Corey L. Rushton, do solemnly swear that I will support, obey, and defend the Constitution of the United States and the Constitution of this State, and that I will discharge the duties of my office with fidelity.

Dated: February 14, 2024

Corey L. Rushton

STATE OF UTAH)
 :SS.
COUNTY OF SALT LAKE)

Subscribed and sworn to before me this 14^h day of February 2024.

Commission expires: _____

NOTARY PUBLIC
Residing in _____

OATH OF OFFICE

I, Dawn R. Ramsey, do solemnly swear that I will support, obey, and defend the Constitution of the United States and the Constitution of this State, and that I will discharge the duties of my office with fidelity.

Dated: February 14, 2024

Dawn R. Ramsey

STATE OF UTAH)
 :SS.
COUNTY OF SALT LAKE)

Subscribed and sworn to before me this 14^h day of February 2024.

Commission expires: _____

NOTARY PUBLIC
Residing in _____

OATH OF OFFICE

I, Andy Pierucci, do solemnly swear that I will support, obey, and defend the Constitution of the United States and the Constitution of this State, and that I will discharge the duties of my office with fidelity.

Dated: February 14, 2024

Andy Pierucci

STATE OF UTAH)
 :SS.
COUNTY OF SALT LAKE)

Subscribed and sworn to before me this 14^h day of February 2024.

Commission expires: _____

NOTARY PUBLIC
Residing in _____

OATH OF OFFICE

I, John B. Richardson, do solemnly swear that I will support, obey, and defend the Constitution of the United States and the Constitution of this State, and that I will discharge the duties of my office with fidelity.

Dated: February 14, 2024

John B. Richardson

STATE OF UTAH)
 :SS.
COUNTY OF SALT LAKE)

Subscribed and sworn to before me this 14^h day of February 2024.

Commission expires: _____

NOTARY PUBLIC
Residing in _____



Resolution of the Board of Trustees

RESOLUTION NO. 24-02 OF APPRECIATION TO SHERRIE L. OHRN FOR HER SERVICE ON THE BOARD FROM FEBRUARY 2020 TO FEBRUARY 2024

WHEREAS, Ms. Sherrie L. Ohrn has served as a member of the Board of Trustees of the Jordan Valley Water Conservancy District from February 2020 to February 2024, a period in which significant progress was achieved and services were provided by the District; and

WHEREAS, Ms. Ohrn served as Conservation Committee Chair from March 2023 to February 2024, a period when the District made significant progress in water conservation initiatives including: planning for expansion of the Conservation Garden Park; advancement of public participation in, and adoption of, Localscapes, Utah Water Savers, Water Efficiency Standards, and new incentive programs; creation of important public information and outreach campaigns; and noteworthy advancement of water conservation goals; and

WHEREAS, significant services to the District's member agencies during her tenure have included the completion of transmission infrastructure projects and support for growing municipal and industrial water deliveries to those agencies; and

WHEREAS, during this period of increased capital infrastructure spending, inflation, and volatility from a pandemic, the District was able to maintain its AA+ bond credit rating, issue two new bond issuances totaling \$127.5 million, and increase its revenue using a balanced approach of steady water rate adjustments and tax rate increases; and

WHEREAS, Ms. Ohrn has shared her insight, wisdom, humor, and common sense on many important matters to influence water supply and infrastructure development programs and impactful water conservation programs and policies; and

WHEREAS, Ms. Ohrn has exhibited a great deal of knowledge, expertise, and skill in dealing with a wide range of water issues, and drawn from her previous experiences to help the District meet the water needs of its service area and help the District to prosper and grow; and

WHEREAS, Ms. Ohrn has consistently promoted the best interests of the District and its staff, its member agencies, and also the interests of Herriman City, Riverton City, and Bluffdale City.

NOW, THEREFORE, BE IT RESOLVED that the Board of Trustees expresses its sincere appreciation to Sherrie L. Ohrn for her outstanding service and contributions to Jordan Valley Water Conservancy District.

PASSED, ADOPTED, AND APPROVED this 14th day of February 2024.

Corey L. Rushton,
Chair of the Board of Trustees

ATTEST:

Alan E. Packard, District Clerk



JORDAN VALLEY WATER
CONSERVANCY DISTRICT

Resolution of the Board of Trustees

**RESOLUTION NO. 24-03
OF APPRECIATION TO A. REED GIBBY
FOR HIS SERVICE ON THE BOARD FROM FEBRUARY 2020 TO FEBRUARY 2024**

WHEREAS, Mr. A. Reed Gibby has served as a member of the Board of Trustees of the Jordan Valley Water Conservancy District from February 2020 to February 2024, a period in which significant progress was achieved and services were provided by the District; and

WHEREAS, Mr. Gibby has been actively involved and influential in water supply and infrastructure development programs and impactful water conservation programs and policies, sharing his historical perspective, wisdom, attention to detail, and common sense on many important matters; and

WHEREAS, during his term of office, the District advanced significant water conservation initiatives including planning for expansion of the Conservation Garden Park, the use of Utah Water Savers, Water Efficiency Standards, and Localscapes, which Mr. Gibby personally embraced, and many new incentive programs, important public information and outreach efforts, and noteworthy advancement of water conservation goals; and

WHEREAS, significant services to the District's member agencies have included the completion of transmission infrastructure projects and support for growing municipal and industrial water deliveries to those agencies; and

WHEREAS, during this period of increased capital infrastructure spending, inflation, and volatility from a pandemic, the District was able to maintain its AA+ bond credit rating, issue two new bond issuances totaling \$127.5 million, and increase its revenue using a balanced approach of steady water rate adjustments and tax rate increases; and

WHEREAS, Mr. Gibby has exhibited a great deal of knowledge, expertise, and skill in dealing with a wide range of water issues, drawing from his significant engineering expertise, which helped the District meet the water needs of its service area and have helped the District to prosper and grow; and

WHEREAS, Mr. Gibby has consistently promoted the best interests of the District and its staff, its member agencies, and also the interests of Draper City, Midvale City, Draper Irrigation Company (WaterPro), and the Department of Corrections.

NOW, THEREFORE, BE IT RESOLVED that the Board of Trustees expresses its sincere appreciation to A. Reed Gibby for his outstanding service and contributions to Jordan Valley Water Conservancy District.

PASSED, ADOPTED, AND APPROVED this 14th day of February 2024.

Corey L. Rushton,
Chair of the Board of Trustees

ATTEST:

Alan E. Packard, District Clerk

COMMON CONSENT ITEMS

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

(Unapproved and subject to change)

Held January 8, 2024

The Executive Committee meeting of the Board of Trustees of the Jordan Valley Water Conservancy District was held in person and electronically on Monday, January 8, 2024, at 3:57 p.m. at JVVCD's office located at 8215 South 1300 West, West Jordan, Utah.

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

Trustees Present:

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

Staff Present:

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

Others Present:

Shannon Ellsworth, Rio Tinto
Greg Christensen, Trustee, Kearns Improvement District

Welcome

Mr. Corey Rushton, Chair, called the meeting to order at 3:57 p.m.

**Review agenda
for January 10,
2024, Board
meeting**

Mr. Rushton asked Mr. Alan Packard, General Manager, to proceed with the review of the proposed agenda. Mr. Packard reviewed the proposed agenda for the January 10, 2024, regular Board of Trustees meeting. Some of the topics for discussion and consideration included: consider approval of minutes of the Executive Committee meeting held November 6, 2023, and the Public Hearing/regular Board meeting held November 8, 2023, and

the Trustees expenses report for November and December 2023; report on bond rating presentations and subsequent bond ratings by S&P Global Ratings and Fitch Ratings; consider adoption of Resolution No. 24-01, "Adopting the Jordan Valley Water Conservancy District Strategic Plan"; establishing a level of service for preparation of fiscal year 2024/2025 budget; preliminary budget preparation calendar; preliminary budget parameters plan; consider approval of Member Agency Water Efficiency Standards Funding Agreement with the City of South Salt Lake; consider approval of a Water Conservation Funding Agreement with the City of South Salt Lake; consider authorization to award a construction contract for 6180 South 3200 West Suction Vault Upgrades; consider authorization to award a construction contract for Southwest Groundwater Treatment Plant and Education Center HVAC Improvements; consider approval of expenditure to purchase vehicles; verification of compliance with selected legal requirements and internal District practices; core mission reports; standing committee reports; and various routine reporting items. A closed session was proposed to discuss sale or purchase of real property and/or water rights or water shares.

Ms. Dawn Ramsey arrived in person at 3:59 p.m.

**Discuss
updated
Strategic Plan**

Mr. Matt Olsen presented the final draft of the updated Strategic Plan (Plan) to be considered for final adoption during the regular Board meeting on January 10, 2024. He said the critical components of the Strategic plan included Mission, Vision, and Values, Core Imperatives, and Areas of Strategic Focus. He also said that the updated Strategic Plan is intended to guide major decisions and investments over the next five to ten years. Mr. Olsen said that after the November 2023 discussion with Trustees, improvements were made to the Plan based on the feedback received from Trustees which included: describing identifying phased implementation of operational objectives and initial next steps, defining the process of amending the Plan, removing "2024" from the title of the Plan, and making stronger statements in the financial viability section. Mr. Olsen then discussed the Phase 1 implementation plan which included updating the existing key performance indicator Board Report Card, and prioritizing the Phase 1 operational objectives and grouping them into planning projects: 1) Emergency Response Plan Update, 2) Communication Plan Update, 3) Asset Management Plan Update, and 4) Workforce Plan.

Ms. Sherrie Ohrn said the process was thorough and thoughtful and that the overall accomplishment is impressive.

**Discuss water
availability
budget
concepts**

Mr. Packard spoke about long-term water supply planning and how it can be influenced by factors such as climate variability and development trends, which can make planning more difficult. He said the objective of a water availability budget policy is to equitably make water resources available to developing lands, and to promote greater integration of land use planning and water supply planning. Mr. Packard then presented recommended policy concepts: 1) newly annexing lands and large new developments in current boundaries will be allocated a water availability budget of JVVCD's 1.35 AF/acre, 2) Member Agencies and/or the developer may supplement

the JVVCD budget with their own resources as needed, and if not, 3) requests to receive JVVCD supplies in excess of 1.35 AF/acre can be accommodated if JVVCD receives “replacement” water rights for all demands exceeding 1.35 AF/acre, or 4) JVVCD will accept cash in lieu of water rights, subject to cost analysis. He said if the proposed policy concepts were to be implemented, that the analysis supporting the cash in lieu of water rights amount would be periodically updated. Mr. Packard proposed an implementation schedule for the draft policy to be presented during the February 2024 Executive Committee Meeting, and to have the final policy considered for approval at the March 2024 regular Board meeting.

Mr. Reed Gibby commended staff for long-term planning efforts and appreciated the thought put into the proposed policy. He observed that a March deadline might be too soon, and that staff ensure ample discussion is had with Member Agencies.

A conversation between Trustees took place where the benefits and challenges of adopting a water budget policy was discussed.

Ms. Sherrie Ohrn acknowledged the importance of planning for a finite resource and applauded staff for their important planning efforts.

Closed meeting

Mr. Rushton proposed to convene a closed meeting at 5:06 p.m. to discuss pending litigation. Mr. Reed Gibby moved to go into closed session for the discussion. Following a second by Ms. Barbara Townsend, the motion was approved by those present as follows:

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

The closed meeting convened at 5:12 p.m. with the following Trustees present: Mr. Corey Rushton, Mr. Reed Gibby, Mr. Zach Jacob, Ms. Karen Lang, Ms. Sherrie Ohrn, Ms. Dawn Ramsey, Mr. Mick M. Sudbury, Mr. John Taylor, and Ms. Barbara Townsend. Also present were: Alan Packard, General Manager; Jacob Young, Deputy General Manager; Matt Olsen, Assistant General Manager; Shazelle Terry, Assistant General Manager; Dave Martin, Chief Financial Officer; Mark Stratford, General Counsel; Beverly Parry, Executive Assistant; Mindy Keeling, Administrative Assistant; and Kelly Good, Communications Division Manager.

No votes or actions were taken during the closed meeting.

Open meeting

The open meeting reconvened at 5:39 p.m.

Adjourn

Mr. Rushton called for a motion to adjourn. Ms. Karen Lang moved to adjourn. Following a second by Mr. Mick Sudbury, the meeting adjourned at 5:40 p.m.

Corey L. Rushton, Chair of the Board of Trustees

Alan E. Packard, District Clerk

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

(Unapproved and subject to change)

January 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, January 10, 2024, at 3:00 p.m. at JVVCD's administration building located at 8215 South 1300 West, West Jordan, Utah.

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

Trustees Present:

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

Staff Present:

Alan Packard, General Manager
Jacob Young, Deputy General Manager
Matt Olsen, Assistant General Manager
Shazelle Terry, Assistant General Manager
Jason Brown, Information Systems Department Manager
Brian Callister, Maintenance Department Manager
Shane Swensen, Engineering Department Manager and Chief Engineer
Gordon Batt, Operations Department Manager
Mark Stratford, General Counsel
David Martin, Chief Financial Officer/Treasurer
Brian McCleary, Controller
Kurt Ashworth, Human Resources Manager
Beverly Parry, Executive Assistant
Mindy Keeling, Administrative Assistant
Martin Feil, Database Administrator (electronic)
Kyle Alcott, Marketing Specialist (electronic)
Kelly Good, Communications Division Manager
Jeanette Perry, Customer Service Supervisor (electronic)
Kevin Rubow, Senior Engineer – Water Rights
Matthew Volmar, Asset Management Data Analyst
Becca White, Administrative Assistant I/Receptionist

Also Present:

Austin Ballard, CFO/Controller, Granger-Hunter Improvement District (electronic)
Mark Chalk, General Manager, Taylorsville-Bennion Improvement District (electronic)
Greg Christensen, Trustee, Kearns Improvement District
Clint Dilley, General Manager, Magna Water District (electronic)
Justun Edwards, Public Works Director, Herriman City (electronic)

Jason Helm, General Manager, Granger-Hunter Improvement District
Rob Moore, General Counsel, CUWCD (electronic)
Stacie Olsen, Water Manager, Riverton City (electronic)
Dennis Pay, City Engineer, City of South Salt Lake (electronic)
Ana Paz, Associate Engineer, South Jordan City (electronic)
David Robertson, Principal/Owner, LRB Public Finance Advisors
Shawn Robinson, Director of Operations and Maintenance, Taylorsville-Bennion Improvement District (electronic)
Dan Tracer, Assistant City Engineer, Bluffdale City (electronic)
Ryan Willeitner, Engineer, Jacobs Engineering
Wayne Winsor, Assistant General Manager, Metropolitan Water District of Salt Lake & Sandy Misty Woods (electronic)

Call to order and introduction of visitors

Mr. Corey Rushton, Chair, convened the Board meeting of the Jordan Valley Water Conservancy District Board of Trustees at 3:00 p.m. on Wednesday, January 10, 2024. Mr. Rushton introduced the members of the Board and the public who joined the meeting both in person and electronically.

Approval of common consent items

Mr. Rushton presented the minutes of the Executive Committee meeting held November 6, 2023, and the regular Board meeting held November 8, 2023. He also presented the November and December 2023 Trustees' Expenses Reports. Mr. Rushton called for a motion. Ms. Sherrie Ohrn moved to approve the minutes of the November 6th and November 8th meetings and the Trustees' Expenses Reports for November and December 2023. Following a second by Ms. Barbara Townsend, the motion was unanimously approved by those present as follows:

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

Public comments

There were no public comments.

Mr. Alan Packard announced that Mr. Matt Olsen, Assistant General Manager, will be leaving JVWCD on January 31 after twenty years of service. He expressed appreciation for Mr. Olsen's contributions and wished him luck in his future endeavors. He reported that Mr. Jacob Young, Deputy General Manager, will now be responsible for Communications, Conservation, and Information Systems departments. Mr. Shane Swensen, Engineering Department Manager & Chief Engineer, will now report directly to the General Manager and be responsible for many special assignments previously assigned to Mr. Young.

Mr. John Taylor arrived at 3:04 p.m.

Core Mission Reports

Water supply update

Mr. Alan Packard, General Manager, reviewed the Municipal and Industrial (M&I) Water Deliveries report through December 2023, the Wholesale

Contract Progress report for each Member Agency, the Wholesale and Retail Actual and Projected Deliveries report, and the Provo River Reservoirs Update. He also presented snow water equivalent data from the various watershed basins in Utah as well as Trial Lake and Beaver Divide.

Water quality update

Mr. Gordon Batt, Operations Department Manager, reviewed the Lead and Copper Rule Revisions (LCRR). He gave background information on the Lead and Copper Rule (LCR). He explained that the federal government reviewed the LCRR and concluded that there were significant opportunities to improve the LCRR. This resulted in the 2023 Proposed Lead and Copper Rule Improvements (LCRI) which included five key provisions:

1. Achieving 100% lead pipe replacement within 10 years
2. Locating legacy lead pipes
3. Improving tap sampling
4. Lowering the lead action level
5. Strengthening protections to reduce exposure

Mr. Batt provided information on how JVVCD plans to meet the provisions included in the LCRI. He said these provisions will strengthen transparency and trust between water systems and consumers by:

- requiring water systems to communicate more frequently and proactively about lead service lines and the system's plans for replacing these lines;
- by revising the Consumer Confidence Report language to increase clarity about health effects of lead, the water system's efforts to sample for lead in schools and childcare facilities, and how consumers can access the water system's lead service line replacement plan; and
- requiring systems to notify the public within 24 hours if systemwide lead levels exceed the proposed lower action level.

Standing Committee Reports

Report on bond rating presentations and subsequent bond ratings by S&P Global Ratings and Fitch Ratings

Mr. David Martin, Chief Financial Officer, said JVVCD has used bond issuance to finance capital infrastructure since it was formed in the 1950's. He reviewed the bond rating process and said prospective buyers determine whether they are interested in purchasing JVVCD bonds based on JVVCD's bond ratings. Some JVVCD strengths listed in the bond rating letters include: a broad service area, an adequate water supply and treatment capacity, good long-term planning, take-or-pay contractual agreements with wholesale customers, diverse revenue source (water rates and property taxes), and steady financial performance. Some pressures on JVVCD listed in the letters include: the need to develop additional water supplies, a large capital plan, and the long-term financial plan's reliance on both water rate and property tax rate increases. JVVCD received a AA+ bond rating.

Mr. David Robertson, LRB Public Finance Advisors, reported on the recent bond rating meetings that took place in relation to JVVCD's issuance of the \$90,865,000 Series 2024A water revenue bonds. He expressed

appreciation for the finance team members who assisted with the bond issuance. Mr. Robertson provided information on the bond pricing and structuring process and said that a negotiated sale method was used which saved the District hundreds of thousands of dollars in interest.

Finance update

There were no questions on the October and November Finance Reports.

Conservation update

Mr. Matt Olsen, Assistant General Manager, provided an update on the adoption of Water Efficiency Standards by municipalities within JVVCD's service area. He mentioned that the state conducted audits across Utah to assess compliance with the prerequisites for receiving turf replacement funding. Some cities within the JVVCD's jurisdiction required modifications to their landscape ordinances to align with these standards. Mr. Olsen noted that most of these cities have already implemented the necessary changes. Midvale and Draper are the remaining cities that are yet to update their ordinances, with plans to do so in 2024. He commended the cities for their proactive response to the state's audit and their efforts to amend their ordinances accordingly.

Consider adoption of Resolution No. 24-01, "Adopting the JVVCD Strategic Plan"

Mr. Packard expressed appreciation to staff and Board members for the input received while putting together the updated Strategic Plan. He said staff suggests making a small change to the Plan from the version reviewed by the Board previously. Under the Water Resource and Sustainability section, under What It Looks Like In Action: Individual, the statement read "Follow the State's watering guide recommendations at your own home." It is suggested that this be changed to "Learn about water conservation practices and become an ambassador of responsible water use within your community." Mr. Packard recommended adoption of Resolution No. 24-01, "Adopting the Jordan Valley Water Conservancy District Strategic Plan" with the suggested change as well as authorize the staff to make any clerical or format changes needed.

Ms. Sherrie Ohrn stressed the importance of the Transparency Value as well as the Unity Value in the Strategic Plan. She said the Strategic Plan is applicable to the times we are living in, and a Strategic Plan is only as good as its implementation.

Mr. Rushton called for a motion on the recommendation. Ms. Dawn Ramsey moved to adopt Resolution No. 24-01, "Adopting the Jordan Valley Water Conservancy District Strategic Plan" with staff's suggested change and authorize the General Manager and staff to make non-substantial clerical and format changes. Following a second by Ms. Barbara Townsend, the motion was unanimously approved as follows:

Mr. Gibby – aye	Mr. Jacob – aye
Ms. Lang – aye	Ms. Ohrn – aye
Ms. Ramsey – aye	Mr. Rushton – aye
Mr. Sudbury – aye	Mr. Taylor – aye
Ms. Townsend - aye	

Financial Matters

Establishing a level of service for preparation of fiscal year 2024/2025 budget

Mr. Packard said that each year it has been staff's practice to begin the budget process by establishing the level of service which retail customers and Member Agencies expect from JWCD. This level of service document is the basis for creating the fiscal year 2024/2025 budget. Mr. Packard said there are four influential factors to consider as the budget is prepared. First is water supply conditions and achievement level of durable conservation. Based on the current water supply conditions and the assumption of the public's level of achievement of durable conservation, the budget proposal will be based on delivery of 104,000 AF during FY 2024/2025. The second factor is economic conditions, with lower inflation but a continued tight labor market. Third, significant capital projects during the next several years will make it important to keep track of rate increases and consideration of property tax increases to prudently manage our finances. Fourth, implementation of the new Strategic Plan which has fifteen objectives to be achieved by the end of the FY 2024/2025. The budget will include three additional maintenance staff positions.

Mr. Rushton called for a motion to approve use of the level of service standards for preparation of FY 2024/2025 budget. Ms. Sherrie Ohrn moved to approve establishing a level of service for preparation of FY 2024/2025 budget. Following a second by Barbara Townsend, the motion was unanimously approved as follows:

Mr. Gibby – aye	Mr. Jacob – aye
Ms. Lang – aye	Ms. Ohrn – aye
Ms. Ramsey – aye	Mr. Rushton – aye
Mr. Sudbury – aye	Mr. Taylor – aye
Ms. Townsend - aye	

Preliminary budget preparation calendar

Mr. Martin summarized the preliminary budget preparation calendar and noted that a property tax increase is not being proposed at this time, and the certified tax rate will not be known until June.

Preliminary budget parameters plan

Mr. Martin explained that the budget parameters plan is a preliminary plan that gives an overview of the parameters staff will be using for the fiscal year 2024/2025 budget preparation. He reviewed items in the preliminary budget parameters plan including projected water deliveries of 104,000 AF, a possible water rate adjustment of 4.5-6.0%, use of the Short-term Operating Reserve and Revenue Stabilization Funds, property tax revenues without a proposed tax rate increase, maintenance of reserve fund balances, Operations and Maintenance expenses which include a personnel compensation adjustment and three new full-time positions, capital project expenditures, and PayGo capital to be generated from operations.

Ms. Ramsey expressed concern with the decreasing balance in the Revenue Stabilization Fund. Mr. Martin said this will be discussed in the upcoming Finance Committee meetings.

**Conservation,
communications, and
Information Systems
activities**

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

Mr. Olsen said this request for funding from the City of South Salt Lake is to support staff dedicated to the implementation and enforcement of the Water Efficiency Standards. This includes additional training and a subsequent salary increase for a certified Water Conservationist Specialist. They will also have a team of nine employees that will assist with creating a landscape plan template, reviewing landscape plans, reviewing the city landscape ordinance, and coordinating with the parks department to conduct landscape inspections. Mr. Olsen recommended approval of a Member Agency Water Efficiency Standards Funding Agreement with the City of South Salt Lake in the amount of \$22,500.

Mr. Rushton called for a motion on the recommendation. Ms. Sherrie Ohrn moved to approve a Member Agency Water Efficiency Standards Funding Agreement with the City of South Salt Lake in the amount of \$22,500. Following a second by Mr. Reed Gibby, the motion was unanimously approved as follows:

Mr. Gibby – aye	Mr. Jacob – aye
Ms. Lang – aye	Ms. Ohrn – aye
Ms. Ramsey – aye	Mr. Rushton – aye
Mr. Sudbury – aye	Mr. Taylor – aye
Ms. Townsend - aye	

**Consider approval of
a Water Conservation
Funding Agreement
with the City of South
Salt Lake**

Mr. Olsen said the City of South Salt Lake is seeking grant funding assistance for two projects including a comprehensive water rate study and the purchase of leak detection equipment to identify water leaks in its water distribution system. The City wants to use the equipment as part of a Leak Detection Plan. Mr. Olsen suggested that the City of South Salt Lake coordinate with Granger-Hunter Improvement District as they have gone through extensive effort to improve leak detection and repair over the last few years. Mr. Olsen recommended approval of a Water Conservation Funding Agreement with the City of South Salt Lake in the amount of \$32,847.

Mr. Rushton called for a motion on the recommendation. Ms. Dawn Ramsey moved to approve a Water Conservation Funding Agreement with the City of South Salt Lake in the amount of \$32,847. Following a second by Ms. Barbara Townsend, the motion was unanimously approved as follows:

Mr. Gibby – aye	Mr. Jacob – aye
Ms. Lang – aye	Ms. Ohrn – aye
Ms. Ramsey – aye	Mr. Rushton – aye
Mr. Sudbury – aye	Mr. Taylor – aye
Ms. Townsend - aye	

Engineering activities

Consider authorization to award a construction contract for 6180 South 3200 West Suction Vault Upgrades

Mr. Jacob Young, Deputy General Manager, said this project is part of JVVCD's ongoing vault renewal and replacement program. This vault has been identified as needing replacement due to age related advanced corrosion in the piping and one valve is not operational. This project will include replacement of 30-inch piping and valves, removal and replacement of the concrete vault lid, surface restoration, and application of paint coatings. Mr. Young recommended authorization to award a construction contract for 6180 South 3200 West Suction Vault Upgrades to Beck Construction in the amount of \$270,350.

Mr. Rushton called for a motion on the recommendation. Ms. Dawn Ramsey moved to authorize award of a construction contract for 6180 South 3200 West Suction Vault Upgrades in the amount of \$270,350 to Beck Construction. Following a second by Mr. Reed Gibby, the motion was unanimously approved as follows:

- | | |
|--------------------|-------------------|
| Mr. Gibby – aye | Mr. Jacob – aye |
| Ms. Lang – aye | Ms. Ohrn – aye |
| Ms. Ramsey – aye | Mr. Rushton – aye |
| Mr. Sudbury – aye | Mr. Taylor – aye |
| Ms. Townsend - aye | |

Consider authorization to award a construction contract for Southwest Groundwater Treatment Plant and Education Center HVAC Improvements

Mr. Young said the HVAC systems at the Education Center and the Southwest Groundwater Treatment Plant (SWGTP) are having performance issues that make it difficult to provide a comfortable work environment for staff and protect critical IT infrastructure. He explained the inefficiencies associated with the current HVAC systems. This project's scope includes the replacement of the existing inefficient water-cooled systems with high efficiency air-cooled systems. Mr. Young recommended authorization to award a construction contract for Southwest Groundwater Treatment Plant and Education Center HVAC Improvements to All State Mechanical in the amount of \$1,055,769.

Mr. Rushton called for a motion on the recommendation. Ms. Sherrie Ohrn moved to authorize award of a construction contract for Southwest Groundwater Treatment Plant and Education Center HVAC Improvements in the amount of \$1,055,769 to All State Mechanical. Following a second by Mr. Reed Gibby, the motion was unanimously approved as follows:

- | | |
|--------------------|-------------------|
| Mr. Gibby – aye | Mr. Jacob – aye |
| Ms. Lang – aye | Ms. Ohrn – aye |
| Ms. Ramsey – aye | Mr. Rushton – aye |
| Mr. Sudbury – aye | Mr. Taylor – aye |
| Ms. Townsend - aye | |

Operations and Maintenance Activities

Consider approval of expenditure to purchase vehicles

Mr. Brian Callister, Maintenance Department Manager, said in order to ensure JVVCD retains a reliable and well-functioning fleet of vehicles in the most cost effective manner, JVVCD staff regularly evaluates its fleet to identify what vehicles need to be replaced and what additional vehicles may be needed. Staff have identified three vehicles that need to be replaced and one additional vehicle that needs to be added to the fleet. The new

vehicle is for the new Inspector/Locator I position that was recently added. He said JWCD utilizes the State Contract for vehicle purchases and that \$11,280 will be reimbursed by MWDSL. Mr. Callister recommended approval of the expenditure to purchase four 2024 Ford F-150 XL 4WD Super Crew pickups from Ken Garff W.V. Ford in the total amount of \$180,480.

Mr. Rushton called for a motion on the recommendation. Mr. Reed Gibby moved to approve of the expenditure to purchase four 2024 Ford F-150 XL 4WD Super Crew pickups from Ken Garff W.V. Ford in the total amount of \$180,480. Following a second by Ms. Barbara Townsend, the motion was unanimously approved as follows:

Mr. Gibby – aye	Mr. Jacob – aye
Ms. Lang – aye	Ms. Ohrn – aye
Ms. Ramsey – aye	Mr. Rushton – aye
Mr. Sudbury – aye	Mr. Taylor – aye
Ms. Townsend - aye	

Agenda Item No. 11 was not used.

Reporting Items

Mr. Stratford verified that JWCD is in compliance with all selected legal requirements and internal District practices. Mr. Packard reviewed the routine reporting items which included: Central Utah Project/CUWCD activities report, easement encroachment agreements signed by the General Manager, performance indicators for November 2023, and media coverage. Mr. Shane Swensen, Engineering Department Manager and Chief Engineer, reported on three final project completion reports including 2022 Distribution Pipeline Replacements – Redmaple Area, Install Pump #1 at Old Bingham Pump Station, and JWTP Sedimentation Basins 3-6 Equipment Replacement.

Upcoming meetings

Mr. Rushton reviewed the upcoming meetings including the Conservation Committee meeting, Monday, February 12 at 3:00 p.m.; Executive Committee meeting, Monday, February 12 at 3:30 p.m.; and regular Board meeting, Wednesday, February 14 at 3:00 p.m.

Closed meeting

Mr. Rushton proposed to convene a closed meeting at 5:05 p.m. to discuss sale or purchase of real property and/or water rights or water shares. Ms. Barbara Townsend moved to go into closed session for the discussion. Following a second by Ms. Sherrie Ohrn, the motion was unanimously approved as follows:

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

The closed meeting convened at 5:12 p.m. with the following Trustees present: Mr. Reed Gibby, Mr. Zach Jacob, Ms. Karen Lang, Ms. Sherrie Ohrn, Ms. Dawn Ramsey, Mr. Corey Rushton, Mr. Mick Sudbury, Mr. John Taylor, and Ms. Barbara Townsend. Also present were: Alan Packard, General Manager; Jacob Young, Deputy General Manager; Matt Olsen, Assistant General Manager; Shazelle Terry, Assistant General Manager; Dave Martin, Chief Financial Officer; Mark Stratford, General Counsel; Beverly Parry, Executive Assistant; Mindy Keeling, Administrative Assistant III; Ben Perdue, Right-of-Way & Property Manager; and Shane Swensen, Chief Engineer.

No votes or actions were taken during the closed meeting.

Open meeting

The open meeting reconvened at 5:35 p.m.

Adjourn

Mr. Rushton called for a motion to adjourn. Mr. John Taylor moved to adjourn. Following a second by Ms. Barbara Townsend, the meeting adjourned at 5:36 p.m.

Corey L. Rushton, Chair of the Board of Trustees

Alan E. Packard, District Clerk

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

January 2024

Meeting		Executive Committee Meeting January 8, 2024	Board Meeting January 10, 2024	Per Diem To Date for 2024 (Maximum 12)	Total Miles	Mileage \$.62 per mile	Total Per Diem	Total Amount
Trustee								
Gibby, Reed		X	X	2	60.0	\$37.20	\$ 120	\$157.20
Jacob, Zach		X	X	0	28.0	\$17.36	\$ -	\$17.36
Lang, Karen		X	X	0	21.0	\$13.02	\$ -	\$13.02
Ohrn, Sherrie		X	X	2	54.0	\$33.48	\$ 120	\$153.48
Ramsey, Dawn		X	X	2	40.0	\$24.80	\$ 120	\$144.80
Rushton, Corey		X	X	0	40.0	\$24.80	\$ -	\$24.80
Sudbury, Mick		X	X	0	29.0	\$17.98	\$ -	\$17.98
Taylor, John		X	X	0	17.2	\$10.66	\$ -	\$10.66
Townsend, Barbara		X	X	0	40.0	\$24.80	\$ -	\$24.80
							Total	\$ 564.10

CORE MISSION REPORTS

WATER SUPPLY UPDATE

JORDAN VALLEY WATER CONSERVANCY DISTRICT

Monthly Summary of Water Deliveries in Acre Feet

January 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	133.01	140.48	-5%	133.01	140.48	-5%	2,140.75	2,129.21	1%
Copperton Improvement District	0.00	0.00		0.00	0.00		10.95	29.23	-63%
Draper City	142.91	139.72	2%	142.91	139.72	2%	2,772.80	2,776.91	0%
Granger-Hunter Improvement District	667.82	694.58	-4%	667.82	694.58	-4%	11,535.11	12,208.28	-6%
Herriman City ³	234.36	148.36	58%	234.36	148.36	58%	4,334.33	3,767.95	15%
Hexcel Corporation	91.06	75.35	21%	91.06	75.35	21%	475.11	529.21	-10%
Kearns Improvement District	362.74	335.35	8%	362.74	335.35	8%	4,882.79	4,740.91	3%
Magna Water District	68.35	70.76	-3%	68.35	70.76	-3%	473.74	461.40	3%
Midvale City	125.16	131.82	-5%	125.16	131.82	-5%	1,850.21	2,253.54	-18%
Riverton City	373.02	342.83	9%	373.02	342.83	9%	3,409.24	3,123.04	9%
South Jordan City ³	548.47	536.28	2%	548.47	536.28	2%	10,736.68	10,834.44	-1%
City of South Salt Lake	89.95	70.44	28%	89.95	70.44	28%	588.61	492.17	20%
Taylorville-Bennion Improvement District	538.09	447.23	20%	538.09	447.23	20%	2,835.57	2,868.27	-1%
Utah Div. of Fac. Const. and Mgmt.	3.42	15.25	-78%	3.42	15.25	-78%	69.66	126.76	-45%
WaterPro, Inc.	0.00	36.66	-100%	0.00	36.66	-100%	829.29	738.85	12%
City of West Jordan ³	876.85	691.40	27%	876.85	691.40	27%	13,343.25	13,404.59	0%
White City Water Improvement District	0.00	0.00		0.00	0.00		0.00	0.00	
Willow Creek Country Club ⁶	0.10	0.12	-19%	0.10	0.12	-19%	176.96	205.17	-14%
Wholesale System Subtotal	4,255.32	3,876.63	10%	4,255.32	3,876.63	10%	60,465.07	60,689.91	0%
Retail System ²	365.93	328.60	11%	365.93	328.60	11%	4,933.25	4,730.71	4%
Total Wholesale & Retail	4,621.25	4,205.23	10%	4,621.25	4,205.23	10%	65,398.32	65,420.61	0%

Other M&I Deliveries

MWDSLS (Treated and Transported) ⁴	521.81	23.92	2081%	521.81	23.92	2081%	7,179.54	7,247.97	-1%
District Use (Non-revenue) ⁵	27.73	25.23	10%	27.73	25.23	10%	392.39	392.52	0%
Other M&I Subtotal	549.53	49.15	1018%	549.53	49.15	1018%	7,571.93	7,640.50	-1%
Total M&I Deliveries	5,170.78	4,254.38	22%	5,170.78	4,254.38	22%	72,970.26	73,061.11	0%

Irrigation and Raw Water Deliveries

Welby Jacob Water Users	0.00	0.00		0.00	0.00		16,199.24	14,091.90	15%
Total Irrigation and Raw Water	0.00	0.00		0.00	0.00		16,199.24	14,091.90	15%
Total Deliveries	5,170.78	4,254.38	22%	5,170.78	4,254.38	22%	89,169.49	87,153.01	2%

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

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

³ Contract amount is minimum purchase plus remediated water.

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

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

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

Jordan Valley Water Conservancy District

Wholesale Contract Progress (af)

January 2024

■ Actual % of Contract
■ Projected³ % of Contract

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

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

²Remediated water is credited first as it becomes available.

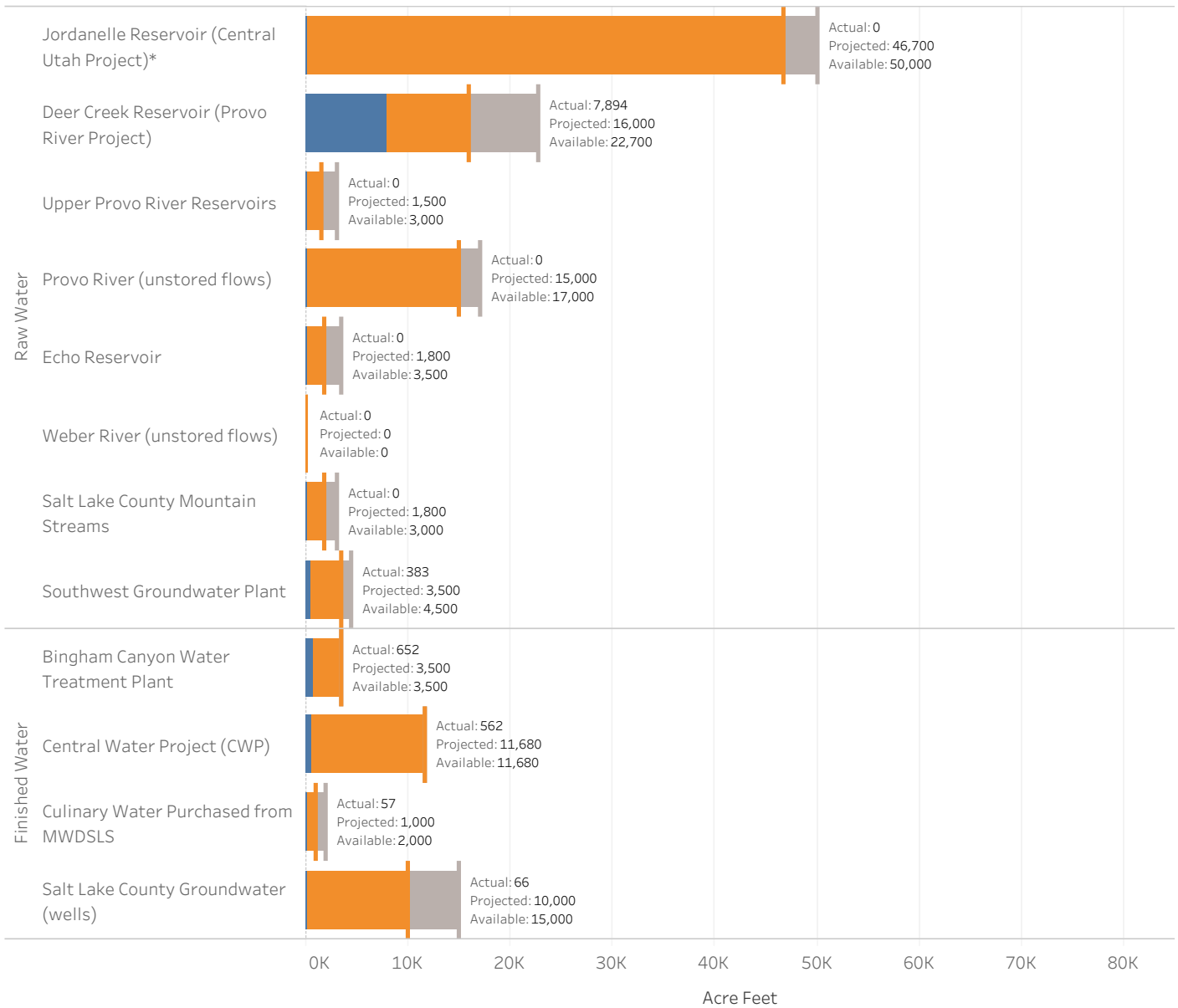
³Projected deliveries are calculated as an average monthly delivery over the previous three years for months left in the contract year.

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

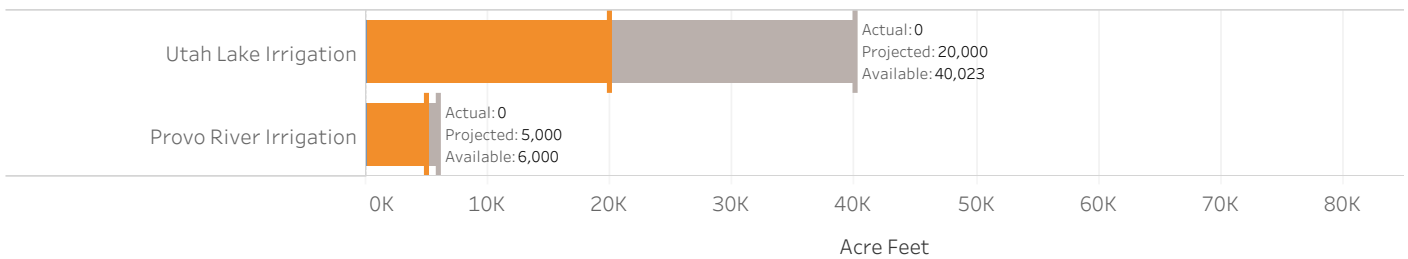
Jordan Valley Water Conservancy District

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

Actual
Projected
Available



Irrigation Water Sources (December 31, 2023)
Irrigation Season 2024 (April 15, 2024 - October 15, 2024)



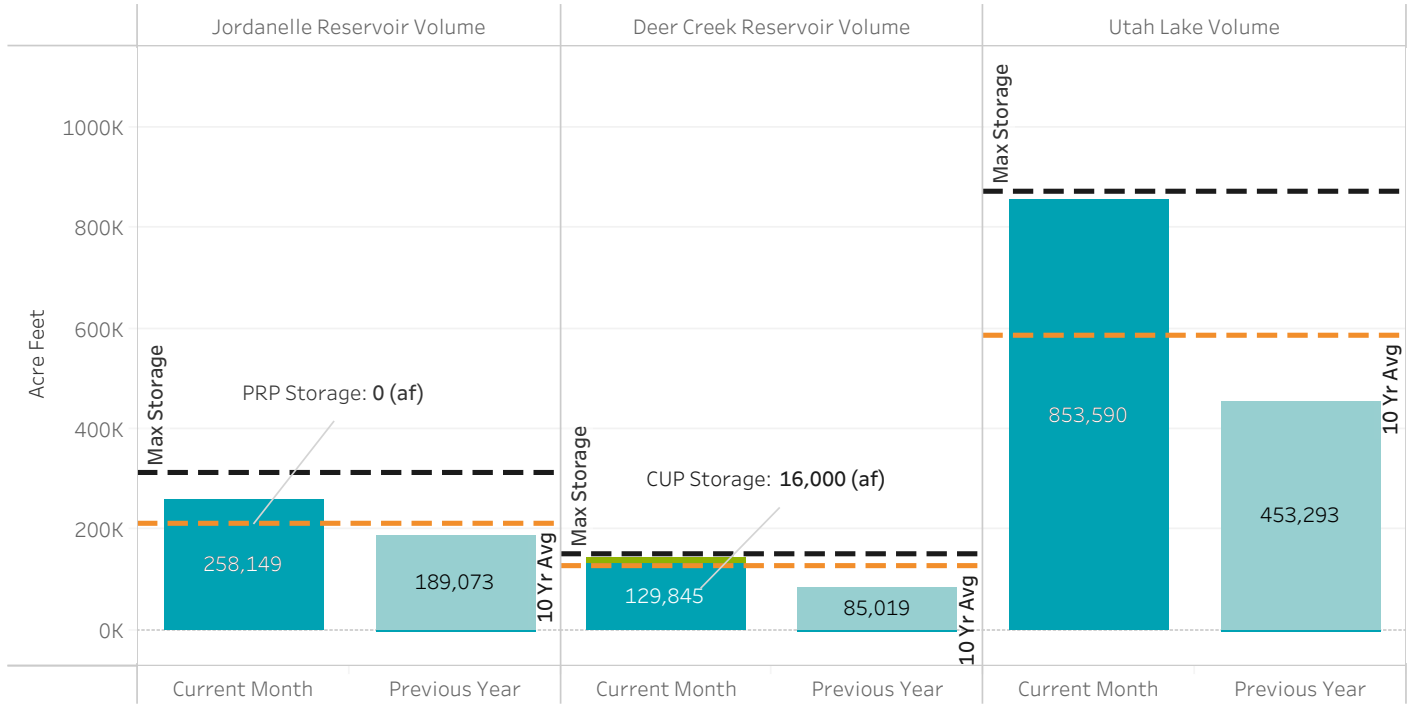
*Central Utah Project may include holdover water from the previous year.

Jordan Valley Water Conservancy District

Provo River Reservoirs Update

February 1, 2024

■ Current Month
■ Other Storage
■ Previous Year



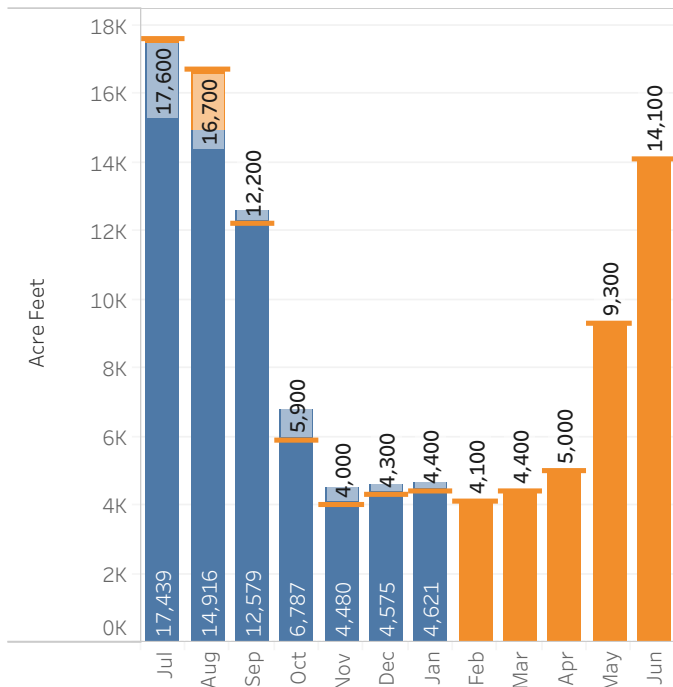
10 Yr Avg for Jordanelle Reservoir may not include all ten years. The available data for Jordanelle Reservoir begins with April, 2014.

Wholesale + Retail Actual & Projected Deliveries

FY 2024

Through January 2024

■ Actual
■ Projected



Water Outlook Update

(Provo River - Utah Lake - Jordan River)

February 4, 2024

BASIN		SNOW WATER EQUIVALENT			TOTAL PRECIPITATION		
Site Name	Elev (ft)	Current	Median	% of Median	Current	Avg	% of Avg
Beaver Divide	8,280	8.5	6.8	125%	12.0	9.8	122%
Brighton	8,766	13.7	13.1	105%	15.9	16.8	95%
Cascade Mountain	7,774	12.6	12.6	100%	16.5	14.6	113%
Clear Creek #1	8,975	9.6	11.0	87%	12.0	11.8	102%
Clear Creek #2	7,837	5.8	7.4	78%	10.1	9.4	107%
Daniels-Strawberry	8,008	10.1	9.0	112%	11.4	11.0	104%
Dry Fork	7,093	10.4	9.2	113%	13.4	13.1	102%
Lookout Peak	8,161	17.4	15.8	110%	21.0	20.5	102%
Louis Meadow	6,700	13.7	12.6	109%	18.8	15.3	123%
Mill-D North	8,963	16.0	15.9	101%	18.2	16.6	110%
Parleys Summit	7,585	10.1	10.0	101%	15.3	14.6	105%
Payson R.S.	8,044	9.8	9.6	102%	9.8	10.2	96%
Snowbird	9,177	23.3	20.6	113%	25.4	23.1	110%
Timpanogos Divide	8,140	9.4	12.3	76%	13.8	15.0	92%
Trial Lake	9,992	12.0	12.8	94%	13.2	14.2	93%
Basin Index (%)				102%	105%		

-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

Board Meeting
February 14, 2024

Water Quality Update

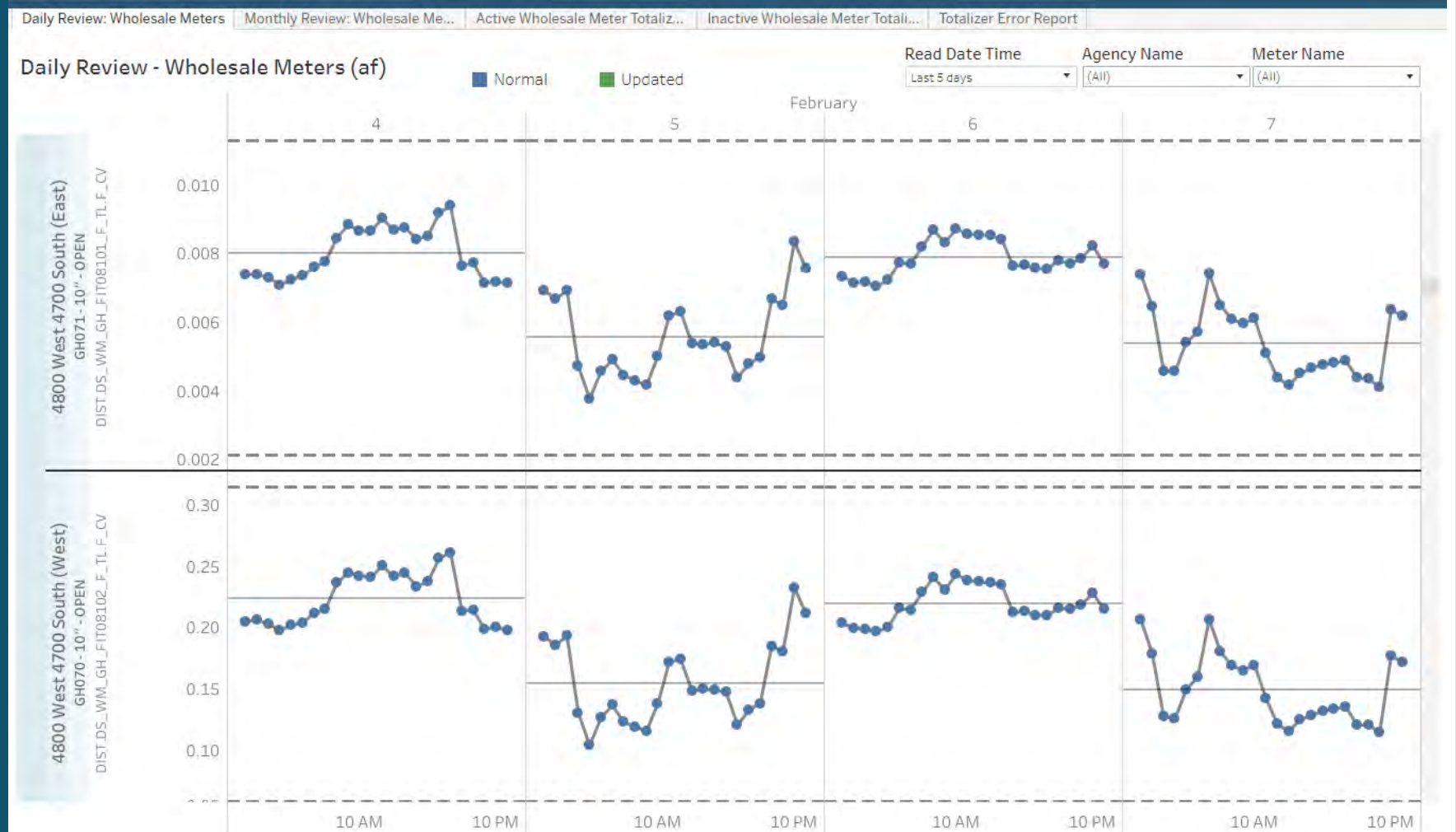
Water Treatment and Water
Quality Data Validation



Water Accounting System

Started with Wholesale Meters

Example: Daily Data Review

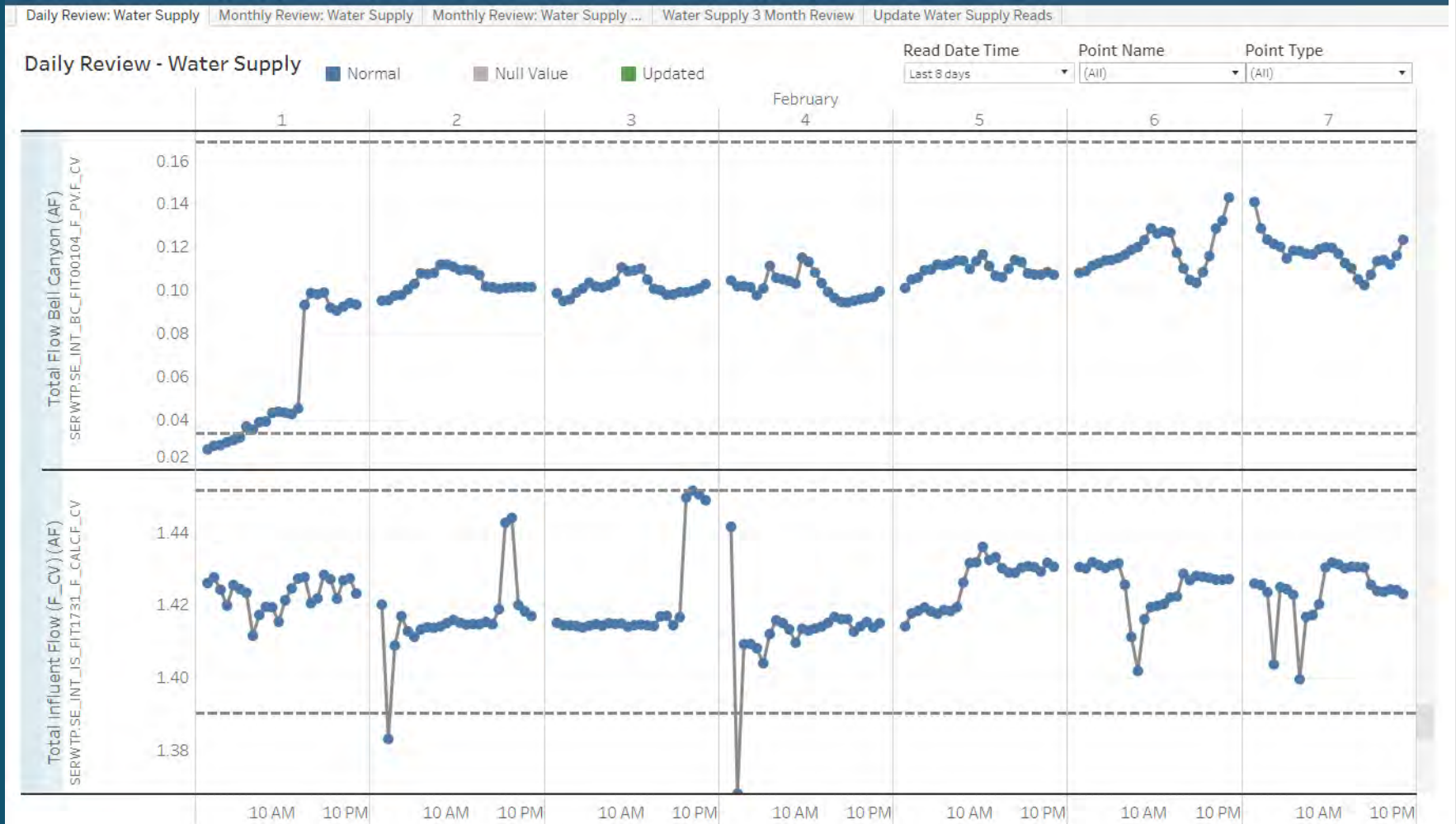




Water Accounting System

Moved to additional aspects of District Operations

Example: Water Supply Daily Data Review

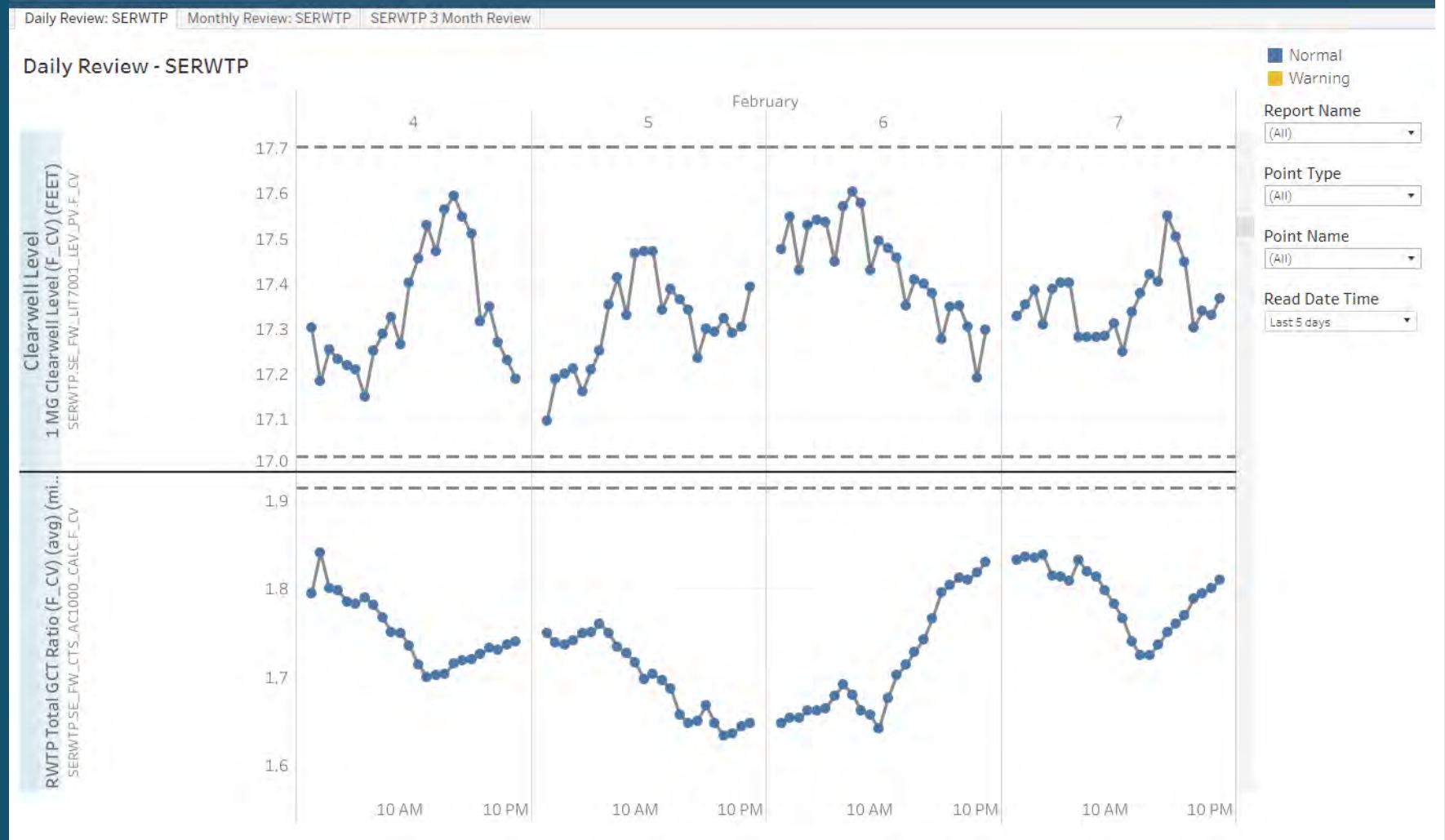




Water Accounting System

Most recently work has focused on Water Treatment Operations and Water Quality

Example: SERWTP Daily Data Review





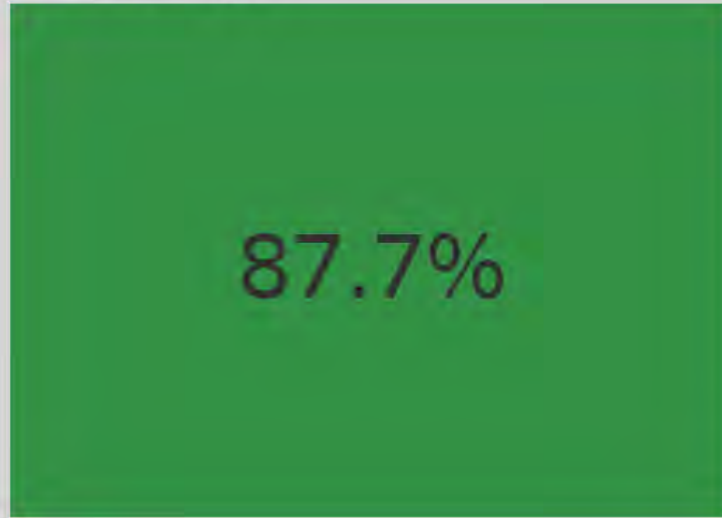
Water Accounting System

Live Demo on WQ Data Validation and Report Card Visuals

Water Quality KPI



Full Year Average



Average by Month

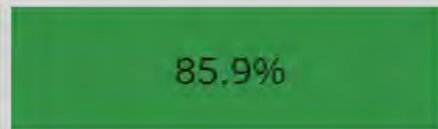
February 2023	90.4%
March 2023	91.4%
April 2023	88.8%
May 2023	89.0%
June 2023	89.6%
July 2023	83.6%
August 2023	79.5%
September 2023	83.9%
October 2023	87.1%
November 2023	90.3%
December 2023	89.2%
January 2024	87.0%

JVWTP Yearly



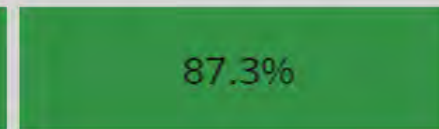
[Click to See JVWTP Analysis](#)

SWGWTP Yearly



[Click to See SWGWTP Analysis](#)

SERWTP Yearly



[Click to See SERWTP Analysis](#)

Distribution System Yearly



[Click to See Distribution System](#)

JVWTP Monthly Analysis

[Back to Park Nav](#)

	Combined Filter Effluent Performance			Individual Filter Performance			Chlorine Residual			Langlier			TOC			Aesthetics			Fluoride				
	MAX Hourly Turbidity			MAX Hourly Turbidity			MAX Hourly Particle Counts			MAX & MIN Hourly CL2			AVG Daily			AVG Daily			AVG Daily				
Plant Wide Month Average	Upper Range			Upper Range			Upper Range			Upper Range			Upper Range			Upper Range			Upper Range				
	0.08			0.08			50			1			0.5			2			5			0.9	
	Lower Range									Lower Range									Lower Range				
										0.5			-0.1						0.6				

85.8%	February 2023	672	672	100.0%	4,938	5,142	96.0%	4,241	5,142	82.5%	636	672	94.6%	672	672	100.0%	4	4	100.0%	2	2	100.0%	26	28	92.9%
96.1%	March 2023	742	743	99.9%	5,472	5,627	97.2%	4,425	5,627	78.6%	688	743	92.6%	743	743	100.0%	5	5	100.0%	3	3	100.0%	31	31	100.0%
92.8%	April 2023	645	651	99.1%	4,993	5,055	98.8%	3,120	5,055	61.7%	591	651	90.8%	651	651	100.0%	3	3	100.0%	2	2	100.0%	26	28	92.9%
84.9%	May 2023	740	743	99.6%	10,398	10,559	98.5%	5,145	10,559	48.7%	705	743	94.9%	726	743	97.7%	2	5	40.0%	2	2	100.0%	31	31	100.0%
78.6%	June 2023	719	720	99.9%	11,235	11,518	97.5%	7,943	11,518	69.0%	719	720	99.9%	452	720	62.8%	0	4	0.0%	2	2	100.0%	30	30	100.0%
83.3%	July 2023	741	744	99.6%	11,220	11,903	94.3%	7,765	11,903	65.2%	697	744	93.7%	637	744	85.6%	2	4	50.0%	2	2	100.0%	24	31	77.4%
71.3%	August 2023	736	744	98.9%	10,888	11,229	97.0%	8,362	11,229	74.5%	712	744	95.7%	294	744	39.5%	0	5	0.0%	3	3	100.0%	20	31	64.5%
74.1%	September 2023	720	720	100.0%	10,349	10,452	99.0%	9,356	10,452	89.5%	720	720	100.0%	258	720	35.8%	1	4	25.0%	1	2	50.0%	28	30	93.3%
88.6%	October 2023	744	744	100.0%	5,711	5,742	99.5%	5,451	5,742	94.9%	697	744	93.7%	529	744	71.1%	2	4	50.0%	1	1	100.0%	31	31	100.0%
90.4%	November 2023	720	720	100.0%	4,516	4,525	99.8%	4,392	4,525	97.1%	703	720	97.6%	669	720	92.9%	5	5	100.0%	2	2	100.0%	30	30	100.0%
83.2%	December 2023	744	744	100.0%	4,119	4,123	99.9%	4,089	4,123	99.2%	727	744	97.7%	737	744	99.1%	2	4	50.0%	2	2	100.0%	31	31	100.0%

ROS CL2

Upper Ran... Lower Ran... Month of Read Date T...
 (All) ▼

[Back to Measure Nav](#)

[Back to Full Year All Measure Monthly Analysis](#)

		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
January 3, 2024	ROS CL2 (min)	1.0095	1.0060	1.0055	1.0055	1.0065	1.0010	1.0035	1.0035	0.9995	1.0000	0.9975	1.0005	1.0000	0.9990	0.9965	1.0020	0.9975	0.9940	0.9920	0.9858	0.9800	0.9785	0.9795	0.9815
	ROS CL2 (max)	0.9960	1.0015	0.9995	0.9995	1.0010	1.0000	0.9965	0.9925	0.9885	0.9885	0.9820	0.9795	0.9760	0.9755	0.9915	0.9950	0.9945	0.9905	0.9870	0.9870	0.9870	0.9855	0.9830	0.9805
January 4, 2024	ROS CL2 (min)	0.9850	0.9900	0.9905	0.9885	0.9895	0.9895	0.9865	0.9845	0.9790	0.9792	0.9730	0.9720	0.9675	0.9650	0.9720	0.9830	0.9855	0.9780	0.9750	0.9760	0.9770	0.9740	0.9745	0.9695
	ROS CL2 (max)	0.9810	0.9835	0.9835	0.9790	0.9850	0.9845	0.9865	0.9855	0.9850	0.9830	0.9815	0.9805	0.9770	0.9760	0.9775	0.9830	0.9770	0.9755	0.9775	0.9800	0.9790	0.9820	0.9810	0.9845
January 5, 2024	ROS CL2 (min)	0.9720	0.9750	0.9745	0.9660	0.9725	0.9720	0.9740	0.9770	0.9755	0.9725	0.9710	0.9700	0.9690	0.9690	0.9695	0.9690	0.9685	0.9670	0.9695	0.9700	0.9705	0.9730	0.9705	0.9755
	ROS CL2 (max)	0.9835	0.9840	0.9810	0.9685	0.9655	0.9665	0.9655	0.9625	0.9655	0.9645	0.9695	0.9795	0.9875	0.9930	0.9920	0.9925	1.0180	1.0300	1.0435	1.0510	1.0535	1.0490	1.0410	1.0280
January 6, 2024	ROS CL2 (min)	0.9695	0.9705	0.9455	0.9450	0.9555	0.9535	0.9565	0.9535	0.9540	0.9570	0.9585	0.9630	0.9730	0.9770	0.9855	0.9840	0.9890	1.0105	1.0110	1.0160	1.0415	1.0370	1.0245	1.0110
	ROS CL2 (max)	1.0255	1.0215	1.0155	1.0100	1.0080	1.0045	0.9985	0.9935	0.9855	0.9795	0.9735	0.9705	0.9660	0.9655	0.9690	0.9690	0.9700	0.9685	0.9735	0.9760	0.9785	0.9830	0.9805	0.9785
January 7, 2024	ROS CL2 (min)	1.0105	1.0110	1.0040	1.0000	0.9960	0.9945	0.9865	0.9806	0.9745	0.9691	0.9645	0.9615	0.9575	0.9570	0.9555	0.9560	0.9615	0.9605	0.9625	0.9655	0.9685	0.9725	0.9685	0.9610
	ROS CL2 (max)	0.9710	0.9840	0.9850	0.9880	0.9910	0.9905	0.9875	0.9875	0.9800	0.9845	0.9865	0.9865	0.9850	0.9910	0.9945	0.9895	0.9905	0.9895	0.9860	0.9785	0.9785	0.9760	0.9750	0.9700
January 8, 2024	ROS CL2 (min)	0.9580	0.9655	0.9740	0.9735	0.9810	0.9835	0.9780	0.9761	0.9725	0.9740	0.9730	0.9750	0.9770	0.9785	0.9800	0.9795	0.9815	0.9790	0.9715	0.9700	0.9665	0.9660	0.9655	0.9600
	ROS CL2 (max)	0.9745	0.9770	0.9795	0.9765	0.9740	0.9705	0.9700	0.9675	0.9645	0.9675	0.9660	0.9640	0.9575	0.9905	1.0010	1.0058	1.0085	1.0190	1.0315	1.0225	1.0195	1.0165	1.0115	1.0065
January 9, 2024	ROS CL2 (min)	0.9665	0.9660	0.9680	0.9675	0.9640	0.9610	0.9545	0.9550	0.9555	0.9555	0.9560	0.9525	0.9460	0.9450	0.9850	0.9910	0.9950	1.0005	1.0140	1.0155	1.0100	1.0070	1.0030	0.9990
	ROS CL2 (max)	1.0065	1.0065	1.0075	1.0040	0.9980	1.0005	1.0035	1.0005	1.0025	1.0015	1.0058	1.0155	1.0165	1.0338	1.0450	1.0420	1.0350	1.0265	1.0330	1.0305	1.0160	1.0090	0.9985	0.9905
January 10, 2024	ROS CL2 (min)	0.9985	0.9985	0.9975	0.9895	0.9905	0.9930	0.9945	0.9920	0.9920	0.9925	0.9930	0.9970	1.0085	1.0113	1.0305	1.0315	1.0225	1.0120	1.0110	1.0145	1.0050	0.9935	0.9870	0.9810
	ROS CL2 (max)	0.9835	0.9805	0.9750	0.9680	0.9605	0.9555	0.9530	0.9545	0.9505	0.9476	0.9470	0.9500	0.9500	0.9835	1.0025	1.0199	1.0215	1.0155	1.0140	1.0095	1.0030	0.9960	0.9945	0.9870
January 11, 2024	ROS CL2 (min)	0.9770	0.9715	0.9630	0.9565	0.9515	0.9475	0.9460	0.9450	0.9425	0.9365	0.9380	0.9335	0.9395	0.9490	0.9750	0.9930	1.0010	1.0045	1.0065	1.0000	0.9900	0.9870	0.9765	0.9740
	ROS CL2 (max)	0.9875	0.9890	0.9895	0.9895	0.9925	0.9945	0.9910	0.9900	0.9880	0.9850	0.9850	0.9835	0.9835	0.9820	0.9800	0.9795	0.9815	0.9755	0.9730	0.9760	0.9820	0.9845	0.9850	0.9830
January 12, 2024	ROS CL2 (min)	0.9715	0.9800	0.9825	0.9810	0.9830	0.9830	0.9850	0.9780	0.9795	0.9740	0.9740	0.9760	0.9655	0.9725	0.9725	0.9710	0.9690	0.9630	0.9610	0.9625	0.9695	0.9770	0.9755	0.9710
	ROS CL2 (max)	0.9765	0.9710	0.9730	0.9765	0.9765	0.9760	0.9795	0.9770	0.9656	0.9670	0.9620	0.9708	0.9725	0.9765	0.9780	0.9770	0.9795	0.9825	0.9830	0.9785	0.9785	0.9776	0.9815	0.9835
January 13, 2024	ROS CL2 (min)	0.9650	0.9620	0.9610	0.9625	0.9650	0.9680	0.9708	0.9615	0.9550	0.9540	0.9435	0.9440	0.9650	0.9645	0.9655	0.9650	0.9710	0.9685	0.9710	0.9705	0.9670	0.9655	0.9705	0.9755
	ROS CL2 (max)	0.9825	0.9825	0.9835	0.9848	0.9870	0.9865	0.9860	0.9815	0.9785	0.9775	0.9775	0.9760	0.9805	0.9835	0.9840	0.9835	0.9775	0.9755	0.9755	0.9770	0.9795	0.9750	0.9765	0.9725
January 14, 2024	ROS CL2 (min)	0.9715	0.9735	0.9685	0.9744	0.9755	0.9790	0.9760	0.9625	0.9695	0.9685	0.9555	0.9610	0.9710	0.9700	0.9725	0.9740	0.9680	0.9655	0.9650	0.9645	0.9620	0.9615	0.9650	0.9625
	ROS CL2 (max)	0.9725	0.9710	0.9700	0.9715	0.9725	0.9690	0.9670	0.9660	0.9670	0.9685	0.9685	0.9715	0.9730	0.9730	0.9775	0.9780	0.9765	0.9750	0.9765	0.9765	0.9800	0.9800	0.9805	0.9890
January 15, 2024	ROS CL2 (min)	0.9635	0.9630	0.9595	0.9630	0.9640	0.9605	0.9540	0.9550	0.9570	0.9600	0.9600	0.9585	0.9640	0.9640	0.9640	0.9685	0.9690	0.9655	0.9685	0.9685	0.9655	0.9670	0.9715	0.9745



Questions?



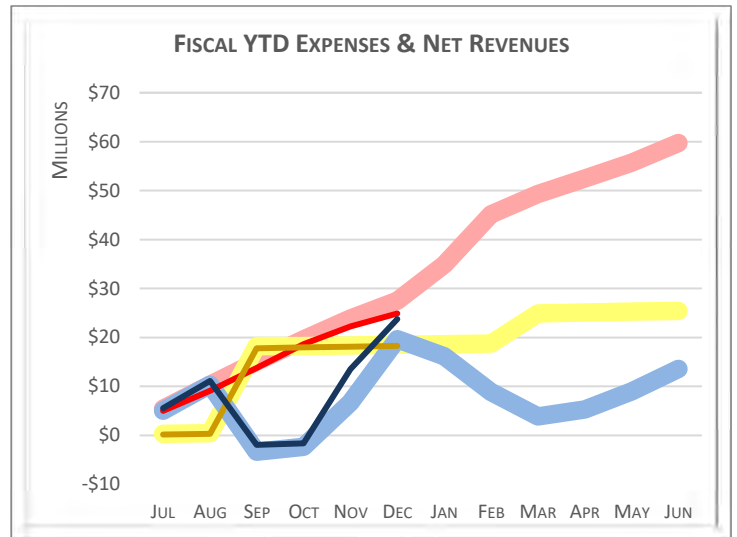
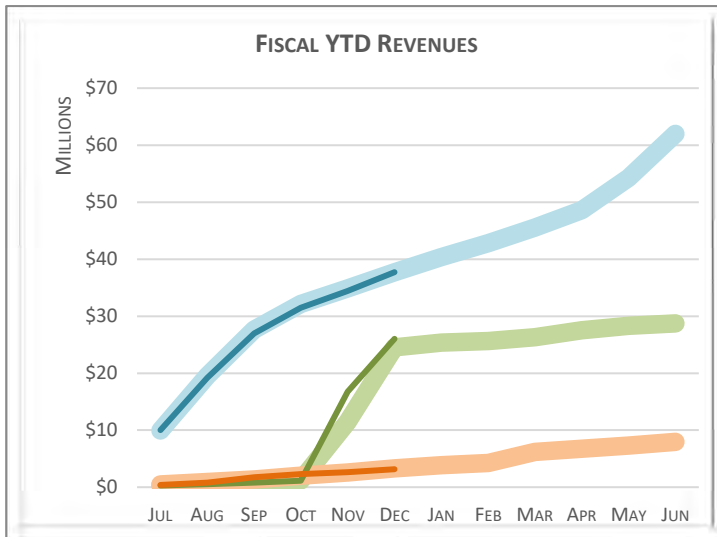
STANDING COMMITTEE REPORTS

FINANCE UPDATE

JORDAN VALLEY WATER CONSERVANCY DISTRICT
FINANCIAL REPORT SUMMARY – DECEMBER 2023

MONTHLY AND YEAR-TO-DATE OPERATING SUMMARY

	Legend	DECEMBER 2023	FY 23/24 Y-T-D	FY 23/24 BUDGET
REVENUES				
Water Sales Revenue	—	\$ 3,270,959	\$ 37,719,064	\$ 61,980,076
Property Tax Revenue	—	9,289,843	26,028,526	28,731,637
All Other Revenue	—	504,276	3,154,135	7,953,800
		13,065,078	66,901,725	98,665,513
EXPENSES				
Operating Expenses	—	2,669,061	24,889,339	59,725,718
Bond Debt Service	—	146,332	18,264,701	25,405,675
Net Revenues after Debt Service	—	\$ 10,249,685	\$ 23,747,685	\$ 13,534,120

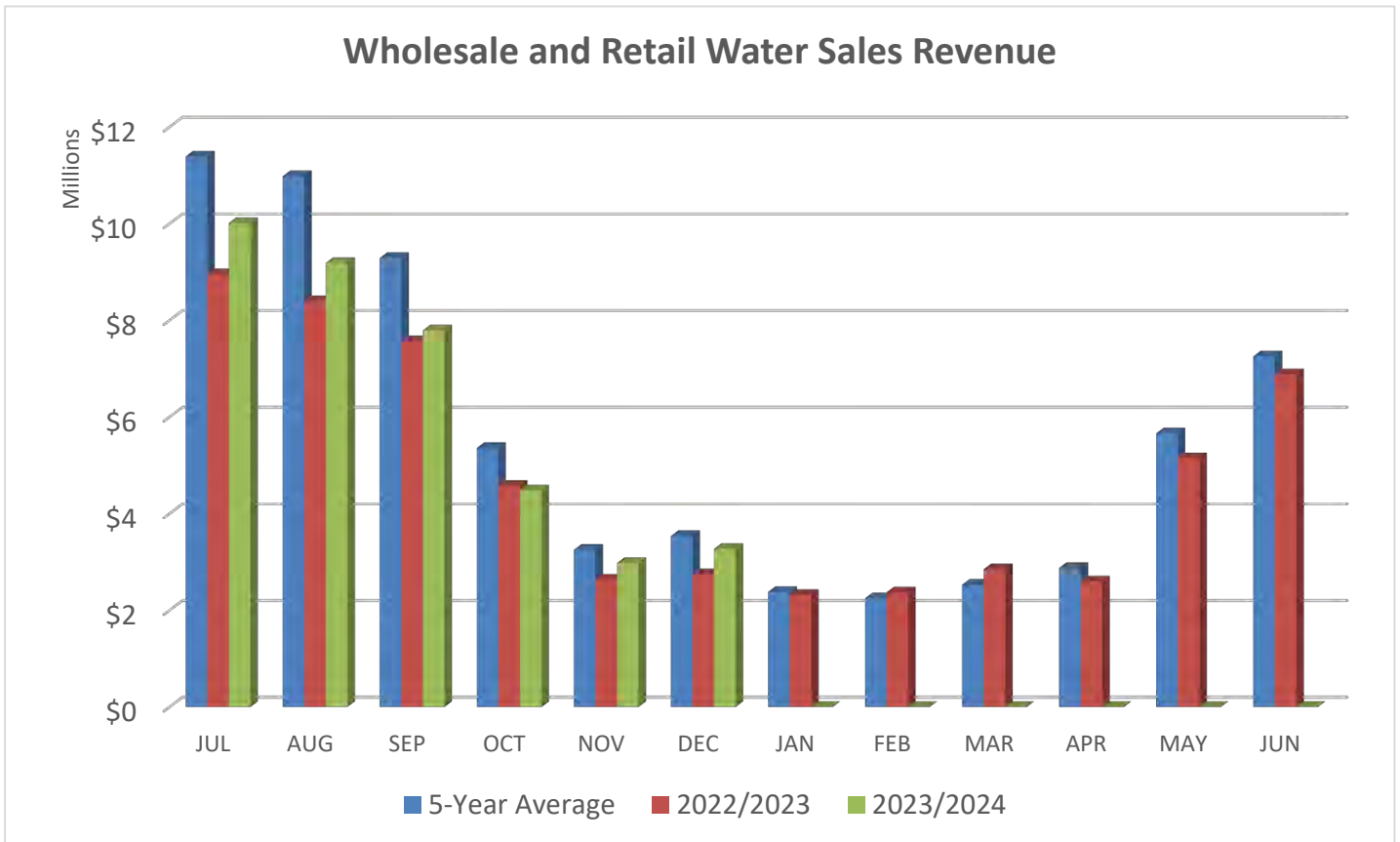


OTHER FINANCIAL HIGHLIGHTS

FUND BALANCES	
Revenue	\$ 5,346,012
Operation & Maintenance	34,807,938
General Equipment	1,114,751
Retail Deposit Account	367,138
Bond Proceeds	17,287
Capital Projects	16,462,771
Replacement Reserve	15,671,374
Development Fee	45,275
Other Reserves	12,192,042
Bond Reserves	5,139,665
	\$ 91,164,253

LONG-TERM DEBT INFORMATION	
Outstanding Bonds and Notes Payable - 12/31/2023	\$ 291,218,090
<u>Average Annual Debt Payments Next 10-Years</u>	
Principal Payments	\$ 14,738,515
Interest Payments	16,516,500
	\$ 31,255,015
<u>Projected Next Future Bond Issue</u>	
Bond Issue Date	January 2024
Bond Issue Amount	\$ 100,000,000

JORDAN VALLEY WATER CONSERVANCY DISTRICT
FINANCIAL REPORT SUMMARY – DECEMBER 2023



JORDAN VALLEY WATER CONSERVANCY DISTRICT
INCOME STATEMENT - DECEMBER 2023 (50%)

MODIFIED ACCRUAL BASIS - UNAUDITED

	DECEMBER 2023	FY 23/24 Y-T-D	FY 23/24 BUDGET	% OF BUDGET	DECEMBER 2022	FY 22/23 Y-T-D	FY 22/23 BUDGET	% OF BUDGET
REVENUES								
Metered Sales of Water								
- Wholesale	\$ 2,984,828	\$ 32,660,844	\$ 54,767,689	60%	\$ 2,482,098	\$ 30,399,012	\$ 52,554,723	58%
- Retail	286,130	5,058,221	7,212,387	70%	265,034	4,479,772	6,758,349	66%
Impact Fees	26,577	232,341	435,000	53%	13,381	82,316	512,000	16%
General Property Tax	9,289,843	26,028,526	28,731,637	91%	14,451,783	21,024,818	25,650,346	82%
Other - Investment Income, etc.	401,433	2,077,436	3,943,800	53%	354,412	1,296,027	1,087,300	119%
Other - Misc.	76,266	844,357	3,575,000	24%	32,496	919,403	2,243,093	41%
Total Revenues	13,065,078	66,901,725	98,665,513	68%	17,599,204	58,201,347	88,805,811	66%
OPERATING EXPENSES *								
Water Purchases	163,410	5,438,055	19,449,887	28%	1,154,452	6,736,690	18,615,784	36%
Operations and Maintenance	552,989	5,640,204	12,255,706	46%	341,946	5,864,669	11,621,168	50%
General and Administrative	317,722	3,769,971	7,552,953	50%	286,021	3,304,432	5,728,341	58%
Payroll Related	1,634,940	10,041,109	20,467,172	49%	1,470,192	9,930,448	19,587,691	51%
Total Operating Expenses	2,669,061	24,889,339	59,725,718	42%	3,252,611	25,836,240	55,552,984	47%
Net Revenues Available for Debt Service	10,396,017	42,012,386	38,939,795	108%	14,346,593	32,365,108	33,252,827	97%
Bond Debt Service	146,332	18,264,701	25,405,675	72%	119,188	17,395,932	23,164,500	75%
Net Revenues after Debt Service	10,249,685	23,747,685	13,534,120		14,227,405	14,969,175	10,088,327	
Transfer of Revenue Stabilization Funds	-	5,663,452	5,663,452	100%	-	8,402,108	8,402,108	100%
Net Revenues	\$ 10,249,685	\$ 29,411,137	\$ 19,197,572		\$ 14,227,405	\$ 23,371,283	\$ 18,490,435	
* See Exhibit 2 for summary of expenses by line item.								
NON-OPERATING EXPENSES (REVENUES)								
Capital Replacement Projects	\$ 667,083	\$ 8,916,812	\$ 19,600,000	45%	\$ 809,492	\$ 4,809,652	\$ 21,837,862	22%
Capital Projects	298,768	8,780,856	53,505,650	16%	6,611,584	14,174,110	32,456,659	44%
Development Fee	5,435	359,305	435,000	83%	99,038	99,038	512,000	19%
General Equipment	39,460	370,085	1,423,000	26%	40,387	359,100	903,100	40%
Self Insurance Claims	(3,145)	30,616	100,000	31%	10	2,585	100,000	0%
Bond Cost of Issuance	-	-	700,000		-	-	250,000	
Subtotal	1,007,601	18,457,674	75,763,650	24%	7,560,511	19,444,484	56,059,621	35%
Cap Proj Grants & Other Contrib	-	(3,654,382)	(11,889,642)	31%	(66,135)	(1,037,239)	(2,849,431)	36%
(Gain) / Loss on Sale of Assets	-	-	-		(69,785)	(249,934)	-	
Bond Cost of Issuance Proceeds	-	-	(700,000)		-	-	(250,000)	
Subtotal	-	(3,654,382)	(12,589,642)	29%	(135,920)	(1,287,173)	(3,099,431)	42%
Total Non-operating Expenses (Revenues)	\$ 1,007,601	\$ 14,803,292	\$ 63,174,008		\$ 7,424,591	\$ 18,157,311	\$ 52,960,190	34%

JORDAN VALLEY WATER CONSERVANCY DISTRICT
OPERATING EXPENSES SUMMARY - DECEMBER 2023 (50%)

MODIFIED ACCRUAL BASIS - UNAUDITED

DESCRIPTION	DECEMBER 2023	FY 23/24 Y-T-D	FY 23/24 BUDGET	% OF BUDGET	DECEMBER 2022	FY 22/23 Y-T-D	FY 22/23 BUDGET	% OF BUDGET
Water Purchases	\$ 163,410	\$ 4,902,080	\$ 18,194,022	27%	\$ 402,315	\$ 5,519,352	\$ 17,402,067	32%
Water Stock Assessments	-	535,975	1,255,865	43%	752,137	1,217,338	1,213,717	100%
Total Water Purchases	163,410	5,438,055	19,449,887	28%	1,154,452	6,736,690	18,615,784	36%
Building & Grounds Maint	19,094	218,102	409,420	53%	17,853	170,742	389,512	44%
General Property & Leases	17,730	68,757	204,596	34%	18,978	82,091	210,482	39%
Repair & Replacement	71,839	389,647	1,427,198	27%	61,303	627,033	1,230,499	51%
Scheduled Maintenance	22,944	284,967	667,427	43%	9,730	232,157	552,539	42%
Tools & Supplies	23,300	201,504	338,269	60%	21,904	147,823	338,911	44%
Treatment - Chemicals	106,162	1,690,753	3,171,672	53%	129,292	1,239,310	2,780,169	45%
Treatment - Lab, Studies & Quality	35,294	192,517	686,041	28%	13,283	264,385	607,499	44%
Utilities - JVVWTP	35,524	178,864	351,780	51%	-	139,575	347,460	40%
Utilities - SERWTP	20,271	68,805	120,546	57%	1,516	45,343	118,842	38%
Utilities - SWGWTP & RO Wells	59,311	229,494	724,122	32%	1,163	171,763	734,702	23%
Utilities - Wells	18,968	357,529	1,064,636	34%	1,854	814,761	1,334,878	61%
Utilities - Boosters	76,092	1,090,990	1,731,448	63%	29,830	1,167,628	1,663,712	70%
Utilities - JNPS & JA	2,904	435,651	788,634	55%	1,394	494,413	784,314	63%
Utilities - Other	13,614	46,531	210,217	22%	8,375	92,366	203,549	45%
Utility Location (Blue Stakes)	2,516	18,426	37,050	50%	2,558	19,392	28,050	69%
Vehicle & Gen. Equip. - Fuel	15,010	97,331	200,660	49%	16,052	114,290	180,060	63%
Vehicle & Gen. Equip. - Parts	12,416	70,335	121,990	58%	6,862	41,597	115,990	36%
Total Operations & Maintenance	552,989	5,640,204	12,255,706	46%	341,946	5,864,669	11,621,168	50%
Bond Fees	30,385	175,565	396,400	44%	63,492	270,345	424,000	64%
Computer Supplies	25,702	323,211	844,080	38%	10,059	315,041	822,775	38%
Conservation Programs	152,351	1,334,191	3,060,030	44%	81,725	923,993	1,567,873	59%
General & Administrative	14,058	180,193	236,910	76%	25,208	143,032	211,950	67%
General Insurance	-	1,256,027	1,206,021	104%	-	1,094,509	1,031,351	106%
Legal & Auditing Fees	32,122	143,149	491,650	29%	60,399	194,905	481,650	40%
Office / Mailing / Safety	26,833	133,586	282,930	47%	21,478	119,697	277,858	43%
Professional Consulting Services	12,537	63,352	429,371	15%	7,015	117,013	316,350	37%
Public Relations	1,056	32,175	202,964	16%	933	18,549	192,925	10%
Training & Education	22,678	128,521	402,597	32%	15,713	107,348	401,609	27%
Total General & Administrative	317,722	3,769,971	7,552,953	50%	286,021	3,304,432	5,728,341	58%
Payroll Related	1,634,940	10,041,109	20,467,172	49%	1,470,192	9,930,448	19,587,691	51%
Total Operating Expenses	\$ 2,669,061	\$ 24,889,339	\$ 59,725,718	42%	\$ 3,252,611	\$ 25,836,240	\$ 55,552,984	47%

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

MODIFIED ACCRUAL BASIS - UNAUDITED

WHOLESALE MEMBER AGENCY	CURRENT MONTH			FISCAL YTD		
	DECEMBER 2023	DECEMBER 2022	INCREASE / (DECREASE)	DECEMBER 2023	DECEMBER 2022	INCREASE / (DECREASE)
Bluffdale	\$ 208,086	\$ 121,086	\$ 87,000	\$ 1,288,915	\$ 1,176,134	\$ 112,781
Div of Fac Const & Mgnt	153,841	85,984	67,857	182,318	122,713	59,605
Draper	75,668	72,664	3,004	1,475,768	1,408,622	67,146
Granger-Hunter	372,691	461,292	(88,601)	6,386,270	6,477,459	(91,189)
Herriman	154,005	93,656	60,348	2,922,014	2,462,781	459,233
Hexcel Corporation	100	27,172	(27,072)	175,992	179,230	(3,238)
Kearns	372,171	223,706	148,465	2,874,693	2,585,115	289,577
Magna	31,530	28,979	2,551	179,772	169,580	10,193
Midvale	122,327	102,833	19,494	924,921	1,068,564	(143,643)
Riverton	430,889	297,964	132,925	1,975,960	1,542,592	433,368
South Jordan	318,070	303,422	14,648	5,947,943	5,083,630	864,313
South Salt Lake	38,031	35,114	2,917	211,280	174,039	37,241
Taylorsville-Bennion	216,292	155,078	61,214	992,584	1,003,583	(11,000)
WaterPro, Inc.	-	-	-	-	-	-
West Jordan	490,916	472,942	17,974	7,106,488	6,927,343	179,145
White City	50	50	-	300	300	-
Willow Creek Country Club	163	155	7	15,626	17,328	(1,701)
TOTALS	<u>\$ 2,984,828</u>	<u>\$ 2,482,098</u>	<u>\$ 502,730</u>	<u>\$ 32,660,844</u>	<u>\$ 30,399,012</u>	<u>\$ 2,261,832</u>

JORDAN VALLEY WATER CONSERVANCY DISTRICT
FUND BALANCES - DECEMBER 2023

CASH BASIS - UNAUDITED

	Operating Funds			
	Revenue	Operation and	General	Retail
	Fund *	Maintenance	Equipment	Deposit
		Fund *	Fund	Account
Beginning Cash Balance	\$ 4,934,634.60	\$ 26,124,781.20	\$ 1,148,211.96	\$ 374,638.00
CASH RECEIPTS:				
Operations	2,557,670.35	9,300,008.93	-	-
Interest	11,629.69	135,613.49	5,998.81	-
Bond	-	-	-	-
Transfers	-	2,000,000.00	-	-
Total Cash Receipts	2,569,300.04	11,435,622.42	5,998.81	-
CASH DISBURSEMENTS:				
Operations	14,899.56	2,752,465.91	-	7,500.00
Capital	-	-	39,459.66	-
Debt Service	143,022.83	-	-	-
Other	-	-	-	-
Transfers	2,000,000.00	-	-	-
Total Disbursements	2,157,922.39	2,752,465.91	39,459.66	7,500.00
Net Change in Cash	411,377.65	8,683,156.51	(33,460.85)	(7,500.00)
Ending Cash Balance	\$ 5,346,012.25	\$ 34,807,937.71	\$ 1,114,751.11	\$ 367,138.00
* Minimum Balance or Reserve	\$ 6,351,419.00	\$ 7,600,000.00	\$ -	\$ -

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

CASH BASIS - UNAUDITED

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

Beginning Cash Balance	\$	16,253,540.24	\$	16,724,870.77	\$	17,193.80
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CASH RECEIPTS:

Operations		-		-		-
Interest		84,916.26		87,378.72		93.38
Bond		-		-		-
Transfers		-		-		-
Total Cash Receipts		<u>84,916.26</u>		<u>87,378.72</u>		<u>93.38</u>

CASH DISBURSEMENTS:

Operations		-		-		-
Capital		667,083.00		304,203.22		-
Debt Service		-		-		-
Other		-		-		-
Transfers		-		-		-
Total Disbursements		<u>667,083.00</u>		<u>304,203.22</u>		<u>-</u>
Net Change in Cash		<u>(582,166.74)</u>		<u>(216,824.50)</u>		<u>93.38</u>

Ending Cash Balance	\$	<u>15,671,373.50</u>	\$	<u>16,508,046.27</u>	\$	<u>17,287.18</u>
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* Minimum Balance or Reserve		<u>\$ -</u>		<u>\$ -</u>		<u>\$ -</u>
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**JORDAN VALLEY WATER CONSERVANCY DISTRICT
FUND BALANCES - DECEMBER 2023**

CASH BASIS - UNAUDITED

	Reserve Funds			Restricted Funds	Total	
	Other Reserve Funds *	Self Insurance Fund *	Revenue Stabilization Fund	Short-Term Operating Reserve	Total Bond Debt Service Reserve Funds *	Total All Funds *
Beginning Cash Balance	\$ 401,385.46	\$ 5,400,601.80	\$ 2,936,624.52	\$ 3,386,936.00	\$ 5,127,267.92	\$ 82,830,686.27
<u>CASH RECEIPTS:</u>						
Operations	-	9,880.80	-	-	-	11,867,560.08
Interest	2,097.04	28,215.33	33,037.30	-	12,397.26	401,377.28
Bond	-	-	-	-	-	-
Transfers	-	-	-	-	-	2,000,000.00
Total Cash Receipts	2,097.04	38,096.13	33,037.30	-	12,397.26	14,268,937.36
<u>CASH DISBURSEMENTS:</u>						
Operations	-	6,735.99	-	-	-	2,781,601.46
Capital	-	-	-	-	-	1,010,745.88
Debt Service	-	-	-	-	-	143,022.83
Other	-	-	-	-	-	-
Transfers	-	-	-	-	-	2,000,000.00
Total Disbursements	-	6,735.99	-	-	-	5,935,370.17
Net Change in Cash	2,097.04	31,360.14	33,037.30	-	12,397.26	8,333,567.19
Ending Cash Balance	\$ 403,482.50	\$ 5,431,961.94	\$ 2,969,661.82	\$ 3,386,936.00	\$ 5,139,665.18	\$ 91,164,253.46
* Minimum Balance or Reserve	\$ 403,482.50	\$ 5,431,961.94	\$ -	\$ -	\$ 5,139,665.18	\$ 24,926,528.62

JORDAN VALLEY WATER CONSERVANCY DISTRICT
FUND BALANCES - DECEMBER 2023

INVESTMENT SUMMARY

	Institution/Account	Fund	Date Invested	Maturity Date	Interest Rate	Principal Invested	
Operating Funds	Zions Bank - Checking/Sweep Account	Revenue	12/01/23	12/31/23	5.01%	\$ 903,883.47	
	Paypal Account - Garden Revenue	Revenue	12/01/23	12/31/23	0.00%	6,432.95	
	Wells Fargo Bank - Savings Account	Revenue	12/01/23	12/31/23	0.01%	345,894.47	
	Express Bill Pay Deposit Account	Revenue	12/01/23	12/31/23	0.00%	135,666.71	
	CUWCD Series B-4 Revenue Bonds	Revenue	06/20/13	10/01/34	5.58%	1,670,000.00	
	Public Treasurers Investment Fund	Revenue	12/01/23	12/31/23	5.48%	2,284,134.65	
	Subtotal - Revenue Funds						5,346,012.25
	Zions Bank - Checking/Sweep Account	O&M	12/01/23	12/31/23	5.01%	775,878.43	
	Public Treasurers Investment Fund	O&M	12/01/23	12/31/23	5.48%	34,032,059.28	
	Subtotal - O&M Funds						34,807,937.71
Public Treasurers Investment Fund	General Equipment	12/01/23	12/31/23	5.48%	1,114,751.11		
Retail Deposit Account	Retail Deposit	12/01/23	12/31/23	0.00%	367,138.00		
Total Operating Funds						\$ 41,635,839.07	
Capital Funds	Public Treasurers Investment Fund	Capital Replacement Reserve	12/01/23	12/31/23	5.48%	\$ 15,671,373.50	
	Public Treasurers Investment Fund	Capital Projects	12/01/23	12/31/23	5.48%	16,462,770.98	
	Public Treasurers Investment Fund	Bond Project Funds	12/01/23	12/31/23	5.48%	17,287.18	
	Public Treasurers Investment Fund	Development Fee	12/01/23	12/31/23	5.48%	45,275.29	
	Total Capital Funds						\$ 32,196,706.95
Reserve Funds	Public Treasurers Investment Fund	Self Insurance	12/01/23	12/31/23	5.48%	\$ 5,431,961.94	
	Public Treasurers Investment Fund	JVWTP Maintenance	12/01/23	12/31/23	5.48%	97,926.93	
	Public Treasurers Investment Fund	Bond R&R	12/01/23	12/31/23	5.48%	176,971.00	
	Public Treasurers Investment Fund	JA Maintenance	12/01/23	12/31/23	5.48%	128,584.57	
	Public Treasurers Investment Fund	Revenue Stabilization	12/01/23	12/31/23	5.48%	2,969,661.82	
	Public Treasurers Investment Fund	Short-Term Operating Reserve	12/01/23	12/31/23	5.48%	3,386,936.00	
	Total Reserve Funds						\$ 12,192,042.26
Restricted Funds	Zions Bank (Trustee) - US Treasury Notes	B-1 Bond Debt Serv Res	Varies	Varies	2.86%	\$ 4,976,072.32	
	Zions Bank (Trustee) - US Treasury Notes	2009C Bond Debt Serv Res	Varies	Varies	2.86%	163,592.86	
	Total Restricted Funds						\$ 5,139,665.18
TOTAL ALL FUNDS						\$ 91,164,253.46	

JORDAN VALLEY WATER CONSERVANCY DISTRICT
BALANCE SHEET - DECEMBER 2023

MODIFIED ACCRUAL BASIS - UNAUDITED

	DECEMBER 2023	DECEMBER 2022
ASSETS		
<i>Current Assets:</i>		
Cash & Cash Equivalents (Note 1)	\$ 86,020,611	\$ 74,820,130
Accounts Receivable	5,423,236	4,031,253
Inventory	814,518	654,868
Total Current Assets	92,258,365	79,506,251
<i>Restricted Assets:</i>		
Cash & Investments	5,156,952	35,396,163
<i>Long-Term Assets:</i>		
Long-Term Receivables	-	-
Other Assets	3,815,444	8,565,423
Property, Plant & Equipment (Net)	594,025,061	566,913,334
Total Long-Term Assets	597,840,505	575,478,757
Total Assets	\$ 695,255,822	\$ 690,381,171
LIABILITIES & FUND EQUITY		
<i>Current Liabilities:</i>		
Accounts Payable	\$ (0)	\$ 0
Other Current Liabilities	1,644,759	2,445,230
Total Current Liabilities	1,644,759	2,445,230
<i>Long-Term Liabilities:</i>		
Bonds and Notes Payable	291,218,090	307,214,619
Other Long-Term Liabilities	8,351,061	13,507,237
Total Long-Term Liabilities	299,569,151	320,721,856
Total Liabilities	301,213,910	323,167,086
Total Net Position	394,041,913	367,214,085
Total Liabilities & Net Position	\$ 695,255,822	\$ 690,381,171

Note 1: Cash and cash equivalents totalling \$42,113,069 have been committed for; replacement reserve \$15,671,374, capital projects \$16,462,771, development fee \$45,275, general equipment \$1,114,751, self insurance reserve \$5,431,962 and revenue stabilization fund \$3,386,936.

JORDAN VALLEY WATER CONSERVANCY DISTRICT
IMPACT FEE SUMMARY - DECEMBER 2023

CASH BASIS - UNAUDITED

<u>Date</u>	<u>Payee</u>	<u>Subdivision/Lot#</u>	<u>Amount</u>
12/08/23	Salt Lake Public Utilities	271 E Gordon Lane	\$ 26,577.00

Total Fees Collected December \$ 26,577.00

Total Fees Collected Fiscal YTD \$ 232,341.00

JORDAN VALLEY WATER CONSERVANCY DISTRICT

CHECK REGISTER - REVENUE ACCOUNT

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

CHECK NO.	CHECK DATE	VENDOR NAME	CHECK AMOUNT
72108	12/19/23	BUTLER, MEL	\$10.96
72109	12/19/23	DEL CID, LUIS	8.80
72110	12/19/23	DURBANO, DANA	120.00
72111	12/19/23	GIBBONS, MAHLON W	8.80
72112	12/19/23	BOE, JASON MILLCREEK CABINET	2.33
72113	12/19/23	KLINELL DREW	71.93
72114	12/19/23	MINI MKT/J NEELEMAN	216.00
72115	12/19/23	CAREY, STEVEN W	4.96
72116	12/19/23	ROGAN, BROGAN	8.42
72117	12/20/23	ALSOP, WAYNE I	21.83
72118	12/20/23	ANOOSHE, GHANDIAN	37.66
72119	12/20/23	ANTONOV, VALERI	12.04
72120	12/20/23	BAIR, MARK	18.50
72121	12/20/23	BEHROUZI,JAFAR &TAHEREH ZAMANI	0.68
72122	12/20/23	BURNS, ROBERT	7.65
72123	12/20/23	CABINET, BEST CUSTOM	19.58
72124	12/20/23	CHATTERTON, PATRICK P	31.42
72125	12/20/23	CUMMINGS LEVER CARS	5.38
72126	12/20/23	DAVID EARLY GROUP,INC	177.25
72127	12/20/23	DRUMMOND, JACQUELINE	0.02
72128	12/20/23	GONZALES, RAYMOND	22.00

JORDAN VALLEY WATER CONSERVANCY DISTRICT

CHECK REGISTER - REVENUE ACCOUNT

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

CHECK NO.	CHECK DATE	VENDOR NAME	CHECK AMOUNT
72129	12/20/23	HILL, DONNA M	\$23.02
72130	12/20/23	HUD MICHAELSON/CONNER/BOUL	2.50
72131	12/20/23	JAMES, ANGELA	50.91
72132	12/20/23	KADIC, RASIM	19.54
72133	12/20/23	KLUTH, WALTER	7.07
72134	12/20/23	KUHN, JAMES E	78.24
72135	12/20/23	LAKE, ROBERT	19.65
72136	12/20/23	MAMDANI SHAFEEQ	13.00
72137	12/20/23	MCDONALD, LISA AND MONTE	5.93
72138	12/20/23	MCKELLAR, KAYLA ANN	16.28
72139	12/20/23	MINNIS, L RUTH	10.00
72140	12/20/23	NAFUS, WILLIAM	25.00
72141	12/20/23	OOPS	58.12
72142	12/20/23	OPENSHAW, CAROLYN B	0.32
72143	12/20/23	PARAMETRIX INC	905.00
72144	12/20/23	PUTMAN, FRANCIS	36.01
72145	12/20/23	REAL ESTATE WANTED	24.38
72146	12/20/23	RIEDEL, EMMA	50.50
72147	12/20/23	RIEDEL, EMMA	48.60
72148	12/20/23	RIEDEL, EMMA	5.10
72149	12/20/23	ROCK, CLAUDIA	10.00

JORDAN VALLEY WATER CONSERVANCY DISTRICT

CHECK REGISTER - REVENUE ACCOUNT

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

CHECK NO.	CHECK DATE	VENDOR NAME	CHECK AMOUNT
72150	12/20/23	SANCHEZ, VICTOR SERGIO	\$24.23
72151	12/20/23	SMITH, VALERIE	23.44
72152	12/20/23	STEINER, HERMAN W	9.90
72153	12/20/23	WASATCH RENTAL CORP	23.35
72154	12/20/23	WERRETT, DAVID E	11.32
72155	12/20/23	WILSON, CHARLES C	16.28
72156	12/20/23	WORLD, KIM	48.19
72157	12/21/23	JF 4500 PARTNERS, LLC	18.00
72158	12/21/23	LAYTON CONSTRUCTION	16.00
72159	12/21/23	MEYER, ROGER P	48.00
72160	12/21/23	URBAN, MELISSA	3.00
72161	12/21/23	ZDBJ PROPERTIES LLC	19.79
REPORT TOTAL:			<u>\$2,476.88</u>

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PAYMENT REGISTER - O&M ACCOUNT

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

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
179847	12/8/23	ACCURINT 51000650 5170	MONTHLY PEOPLE SEARCH SERVICE	239.48	\$239.48
179848	12/8/23	ALESSANDRO VENOSA 62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	5,666.10	5,666.10
179849	12/8/23	AUTOMATION-X CORPORATION 11000184 6010 4295	500 W 4500 S VAULT – ELECTRICAL	1,417.11	1,417.11
179850	12/8/23	BECKS SANITATION INC 83000570 5360	CLEANING OF GENERATOR BLDG SUMP CON	648.96	648.96
179851	12/8/23	BONNEVILLE INDUSTRIAL SUPPLY COMPANY 82000570 5310	TOOL BOXES TO KEEP TOOLS IN THE TRENC	229.64	229.64
179852	12/8/23	CHILD SUPPORT SERVICES 11000200 2135	Payroll Run 1 - Warrant 113023	529.00	529.00
179853	12/8/23	CHRISTENSEN & JENSEN PC 51000650 5284	GENERAL ADJUDICATION	400.00	400.00
179854	12/8/23	CONSTRUCTION TESTING & ENGINEER INC 11000188 6010 4204	ZONE "D" CHEMICAL FEED FACILIT	170.00	170.00
179855	12/8/23	CRSA 11000160 6010 4330	465 EAST 3900 SOUTH WATER TRAILERS STC	10,652.90	10,652.90
179856	12/8/23	ELLSWORTH PAULSEN CONSTRUCTION COMPANY 11000182 6010 4284	SERWTP PEC BULK TANK	58,073.08	58,073.08
179857	12/8/23	FLEET PRIDE 81000570 5330	BRAKE CHAMBER FLEET PRIDE.	132.83	132.83
179858	12/8/23	GRANGER HUNTER IMPROVEMENT 62000570 5670	MEMBER AGENCY GRANT - GRANGER-HUNTI	1,300.04	1,300.04
179859	12/8/23	JORDAN SCHOOL DISTRICT 62000570 5270	FIELD TRIP REIMBURSEMENT - JORDAN HILL	277.30	277.30
179860	12/8/23	KEN GARFF WEST VALLEY DODGE 81000570 5330	SHIFT CABLES	77.08	77.08
179861	12/8/23	LAW OFFICES OF KIRK A CULLIMORE LLC 11000200 2135	Payroll Run 1 - Warrant 113023	300.00	300.00
179862	12/8/23	LINDE GAS & EQUIPMENT 78000590 5720	METALS GAS	279.28	279.28
179863	12/8/23	LONE PEAK PARKWAY, LLC ATT/BRYAN NORTON 62000570 5670	LANDSCAPE LEADERSHIP GRANT	11,358.72	11,358.72
179864	12/8/23	MERIDIAN TITLE 52000570 5400	TITLE REPORT ON DISTRICT PROPERTY	250.00	250.00
179865	12/8/23	MGB+A INC 62000140 6010	GARDEN MASTER PLAN AND 1300 WE	2,186.75	2,186.75
179866	12/8/23	MIMIR WATER 62000570 5280	COMMERCIAL WATER ASSESSMENT TRAININ	3,835.00	3,835.00

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PAYMENT REGISTER - O&M ACCOUNT

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

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
179867	12/8/23	NAPA GENUINE AUTO PARTS COMPANY			\$1,236.36
		81000570 5330	REPAIR PARTS FROM NAPA	1,103.58	
		81000570 5330	REPAIR PARTS FROM NAPA.	132.78	
179868	12/8/23	NOLAND & SON CONSTRUCTION COMPANY INC			95,075.87
		11000188 6010 4225	RED MAPLE DISTRIBUTION PIPELIN	95,075.87	
179869	12/8/23	PITNEY BOWES INC			1,005.00
		51000650 5250	MAIL SERVICES	1,005.00	
179870	12/8/23	RAY QUINNEY & NEBEKER			2,103.50
		51000650 5284	HARVEY	2,103.50	
179871	12/8/23	REPUBLIC SERVICES INC			2,950.67
		83000570 5350	ADMIN/MAINT	265.79	
		83000570 5350	MAINT	386.86	
		51000650 5350	ADMIN/MAINT	129.44	
		62000570 5350	EDUCATION	994.09	
		71071570 5350	JVWTP	453.28	
		72072570 5350	SERWTP	302.96	
		73073570 5350	SWGTP	418.25	
179872	12/8/23	ROBERT ALOSSO			3,906.00
		62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	3,906.00	
179873	12/8/23	ROY WATER CONSERVANCY DISTRICT			2,917.42
		52000570 5400	2023 IRRIGATION WATER FEES	2,917.42	
179874	12/8/23	RYAN SPANOS			1,600.77
		62000570 5670	LOCALSCAPES REWARDS PROGRAM PAYME	1,600.77	
179875	12/8/23	SALT LAKE COUNTY ENGINEERING			187.50
		82000570 5380	SALT LAKE COUNTY EXCAVATION PERMIT 82	187.50	
179876	12/8/23	SHARPS TARPS			255.00
		83000570 5350	TARP FOR DUMP TRAILER	255.00	
179877	12/8/23	SOUTH JORDAN CITY			69,180.00
		62000570 5670	MUNICIPAL PARTNERSHIPS GRANT	69,180.00	
179878	12/8/23	TERESA MARTINEZ			3,276.00
		62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	3,276.00	
179879	12/8/23	THE RAGMAN COMPANY			293.00
		83000570 5310	RAGS FOR SHOP	293.00	
179880	12/8/23	UPHOLSTERY WEST INC			325.00
		81000570 5330	SEAT REPAIR	325.00	

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PAYMENT REGISTER - O&M ACCOUNT

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

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
179881	12/8/23	VERIZON WIRELESS			\$1,768.14
		90000650 5230	VERIZON AMI BILL	50.10	
		90000650 5230	VERIZON WIRELESS IPAD BILL	136.98	
		90000650 5230	VERIZON WIRELESS PHONE & DATA ACCESS	1,241.85	
		90071650 5230	VERIZON AMI BILL	25.00	
		90071650 5230	VERIZON WIRELESS PHONE & DATA ACCESS	65.15	
		90072650 5230	VERIZON AMI BILL	25.00	
		90072650 5230	VERIZON WIRELESS PHONE & DATA ACCESS	25.14	
		90077650 5230	VERIZON WIRELESS PHONE & DATA ACCESS	126.69	
		90101650 5230	VERIZON AMI BILL	25.00	
		90101650 5230	VERIZON WIRELESS PHONE & DATA ACCESS	47.23	
179882	12/8/23	WEBER COUNTY TREASURER			3,794.97
		52000570 5400	2023 WEBER COUNTY TAX ASSESSMENTS	3,794.97	
179883	12/8/23	WEST JORDAN CITY			2,316.32
		51000650 5410	8275 S 1300 W	8.43	
		51000650 5430	8215 S 1300 W	806.14	
		51000650 5430	8275 S 1300 W	62.20	
		51000650 5440	8275 S 1300 W	1,439.55	
179884	12/8/23	WESTERN FIRST AID & SAFETY			8,550.00
		51000650 5260	FIRST AID, CPR, & AED TRAINING FOR EMPLC	8,550.00	
179885	12/8/23	ZIONS BANK			8,761.38
		51000650 5286	QUARTERLY B1 REMARKETING AGENT FEE	8,761.38	
179886	12/8/23	ROCKY MOUNTAIN POWER			57,260.35
		72000590 5410	175509260188	6,073.47	
		73000590 5410	377120460037	28,641.55	
		75200590 5410	311522760223	1,342.45	
		75200590 5410	311522760538	605.58	
		75200590 5410	311522760561	4,946.10	
		75200590 5410	311522760579	3,288.02	
		75200590 5410	325517860012	11.23	
		75300590 5410	326716960017	8,074.67	
		75300590 5410	333107260015	10.86	
		75300590 5410	333110760050	27.12	
		75300590 5410	377120460045	61.78	
		75300590 5410	913799040013	7.50	
		75300590 5410	175509260139	15.55	
		75300590 5410	175509260204	20.73	
		75300590 5410	175509260220	181.96	
		75300590 5410	311522760199	3,118.80	
		75300590 5410	311522760215	209.63	
		75500590 5410	175509260196	367.73	
		75600590 5410	377120460094	18.51	
		75600590 5410	377120460102	16.16	
		75600590 5410	311522760025	14.82	
		75600590 5410	311522760041	15.17	
		75600590 5410	311522760066	15.42	
		75600590 5410	311522760165	21.73	
		75600590 5410	311522760173	13.57	
		75600590 5410	377120460078	16.80	
		75700590 5410	253216260013	82.86	
		75700590 5410	364292260015	40.58	
179887	12/13/23	ALAN E PACKARD			24.00
		51000650 5290	PARKING	24.00	

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PAYMENT REGISTER - O&M ACCOUNT

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

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
179888	12/13/23	BONNEVILLE INDUSTRIAL SUPPLY COMPANY 83000570 5350	CHARGERS FOR THE MILWAUKEE LIGHT TOV	460.98	\$460.98
179889	12/13/23	CONELY COMPANY 82000570 5380	SCH 80 PVC FITTINGS FOR CP LINE AIR VACS	37.88	37.88
179890	12/13/23	COTTONWOOD IMPROVEMENT DISTRICT 75300590 5430	9785 EASTDELL	60.00	60.00
179891	12/13/23	DAVID D MARTIN 51000650 5290	PARKING	24.00	24.00
179892	12/13/23	DOMINION ENERGY 51000650 5420 73000590 5420 75300590 5420 75300590 5420 75300590 5420 75500590 5420	8215 S TEMPLE 8215 S TEMPLE 4770 NANILOA 7700 S 700 E 7800 S 1000 E 4400 S 4800 W	7,675.83 1,918.96 84.94 14.11 147.11 236.68	10,077.63
179893	12/13/23	DRAPER CITY 75300590 5430	108 E 11400 S	7.00	7.00
179894	12/13/23	GENEVA ROCK PRODUCTS INC 82000570 5380	ROADBASE 1.5 UTBC FOR PLM BACKFILL	1,400.06	1,400.06
179895	12/13/23	JACOB YOUNG 51000650 5290	PARKING	24.00	24.00
179896	12/13/23	JENKINS PLUMBING COMPANY 77075590 5770	BACKFLOW TESTING	535.00	535.00
179897	12/13/23	LEHI CITY CORPORATION 70101590 5410 70101590 5410	1250 E SR92 NE CORNER SR92	36.86 35.05	71.91
179898	12/13/23	MCNEIL ENGINEERING & LAND SURVEYING LC 52000650 5280	ADMINISTRATION ROOF ASSESSMENT	1,500.00	1,500.00

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PAYMENT REGISTER - O&M ACCOUNT

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

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
179899	12/13/23	ROCKY MOUNTAIN POWER			\$43,472.95
		52000570 5400	311522760124	11.60	
		52000570 5400	311522760132	11.11	
		70101590 5410	557994860012	1,508.35	
		72211590 5410	321644760019	25.53	
		72211590 5410	913799040088	18.02	
		75200590 5410	175509260014	14.44	
		75200590 5410	175509260113	15.49	
		75200590 5410	175509260253	45.54	
		75200590 5410	261824160012	1,404.03	
		75200590 5410	311522760504	39.65	
		75200590 5410	311522760652	302.13	
		75300590 5410	175509260162	48.47	
		75300590 5410	175509260337	84.86	
		75300590 5410	311522760603	146.98	
		75300590 5410	175509260105	143.47	
		75500590 5410	227856660146	7,177.43	
		75500590 5410	235992060014	8,815.76	
		75500590 5410	266289460013	14,719.87	
		75500590 5410	175509260238	621.74	
		75500590 5410	175509260295	7,307.93	
		75500590 5410	175509260360	343.69	
		75600590 5410	311522760157	19.51	
		75600590 5410	311522760181	13.82	
		75600590 5410	311522760462	20.62	
		75600590 5410	377131660021	15.05	
		75600590 5410	377131660047	15.67	
		75600590 5410	227856660013	30.89	
		75600590 5410	227856660039	62.61	
		75600590 5410	227856660138	354.29	
		75700590 5410	322497360014	101.96	
		75700590 5410	311522760611	32.44	
179900	12/13/23	ROSEMOUNT INC			1,633.60
		91000570 5310	REPLACE LEVEL TRANSMITTER FOR SURGE	1,633.60	
179901	12/13/23	SANDY CITY			487.74
		75300590 5430	1147 E WEBSTER	8.98	
		75300590 5430	1443 E 9400 S	17.96	
		75300590 5430	1784 CREEK RD	30.18	
		75300590 5430	1787 CREEK RD	18.09	
		75300590 5430	2580 E 9800 S	385.55	
		75300590 5430	7618 S 700 E	26.98	
179902	12/13/23	SOUTH JORDAN CITY			118.68
		52000570 5400	10305 S LAND	56.61	
		75300590 5430	10932 S 2700 WAY	30.00	
		75300590 5430	9911 S 2700 W LAND	32.07	

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PAYMENT REGISTER - O&M ACCOUNT

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

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
179903	12/13/23	SOUTH VALLEY SEWER DISTRICT			\$379.32
		71000590 5430	15305 S 3200 W	116.76	
		72000590 5430	11574 WYNDCASTLE NEW	37.56	
		72000590 5430	11574 WYNDCASTLE OLD	25.00	
		75300590 5430	3257 W CURRENT CREEK	25.00	
		75501590 5430	10621 S 1300 W	25.00	
		75501590 5430	10932 S 2700 W	25.00	
		75501590 5430	11059 S 1300 W	25.00	
		75501590 5430	3145 W 11400 S	25.00	
		75501590 5430	9816 S 1300 W	25.00	
		75501590 5430	9816 S 1300 W 1	25.00	
		75501590 5430	9911 S 2700 W	25.00	
179904	12/13/23	UTAH BUREAU OF CRIMINAL IDENTIFICATION			33.25
		51000650 5170	EMPLOYEE BACKGROUND CHECK	33.25	
179905	12/13/23	WEST VALLEY CITY			186.00
		75300590 5430	VARIOUS	186.00	
179906	12/13/23	ZAYO GROUP LLC			1,577.91
		90000650 5230	8215 S 1300 W	1,577.91	
179907	12/20/23	AAF INTERNATIONAL			22.80
		81000570 5360	AIR FILTERS FOR THE WELL COLECTOR HVA	22.80	
179908	12/20/23	AFLAC PREMIUM HOLDING			899.87
		11000200 2240	PAYROLL 113023	899.87	
179909	12/20/23	ALAN E PACKARD			498.64
		51000650 5290	CRWUA	498.64	
179910	12/20/23	ALLSTREAM			106.12
		70100590 5450	15305 S 3200 W	106.12	
179911	12/20/23	ASPHALT MASTERS			5,650.00
		83000570 5380	CONCRETE CURB AND GUTTER REPAIR	2,800.00	
		83071570 5380	CONCRETE CURB AND GUTTER REPAIR	1,650.00	
		83073570 5380	CONCRETE CURB AND GUTTER REPAIR	1,200.00	
179912	12/20/23	CHILD SUPPORT SERVICES			529.00
		11000200 2135	PAYROLL 121523	529.00	
179913	12/20/23	COREY L RUSHTON			500.36
		51000660 5290	CRWUA	500.36	
179914	12/20/23	INTERMOUNTAIN FUSE SUPPLY INC			290.30
		81073570 5380	FUSE FOR THE CHEMICAL FEED ROOM SERV	290.30	
179915	12/20/23	LAW OFFICES OF KIRK A CULLIMORE LLC			270.01
		11000200 2135	121523 GARNISHMENT	270.01	
179916	12/20/23	LINDE GAS & EQUIPMENT			929.95
		78000590 5720	METALS GAS	929.95	
179917	12/20/23	MGB+A INC			1,393.25
		62000140 6010	GARDEN MASTER PLAN AND 1300 WE	1,393.25	
179918	12/20/23	NATIONAL BENEFIT SERVICES HRA			429.00
		11000200 2135	ADMIN FEES	429.00	

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PAYMENT REGISTER - O&M ACCOUNT

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

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
179919	12/20/23	PIPEHORN 82000570 5310	PIPEHORN METAL LOCATOR	1,041.00	\$1,041.00
179920	12/20/23	POSTMASTER			VOID
179921	12/20/23	R & D PROPERTIES 11000170 6010	WATER SHARES	120,400.00	120,400.00
179922	12/20/23	RAY QUINNEY & NEBEKER 51000650 5284 51000650 5284	15038-162 15038-91	1,716.00 528.00	2,244.00
179923	12/20/23	STANDARD PLUMBING SUPPLY/SPRINKLER WORLD 81000570 5360	FITTINGS FOR AIR VAC INSPECTIONS AND DF	110.22	110.22
179924	12/20/23	TIME VALUE SOFTWARE 90000650 5230	TIME VALUE (TAX 941) MAINTENANCE AGREE	99.00	99.00
179925	12/20/23	UTAH STATE TAX COMMISSION 11000200 2135	PAYROLL 121523	53,294.25	53,294.25
179926	12/20/23	VIKING PAINTING, LLC 11000186 6010 4271	8-MG & 2-MG STEEL RES. PAINT AND REPAIR	425,887.38	425,887.38
179927	12/20/23	WADE TUFT 70000590 5290	CRWUA	472.40	472.40
179928	12/20/23	WASATCH PROPANE 81000570 5360	PROPANE FOR THE TERMINAL STORAGE BUI	809.75	809.75
179929	12/20/23	ZIONS BANK 51000650 5286	2017B BOND ANNUAL TRUSTEE FEE	3,000.00	3,000.00
179930	12/28/23	ALLSTREAM 51000650 5450 71000590 5450 72000590 5450	8215 S 1300 W 15305 S 3200 W 15305 S 3200 W	1,110.10 996.66 106.78	2,213.54
179931	12/28/23	AUTOMATION-X CORPORATION 11000184 6010 4295 91000570 5310	500 W 4500 S VAULT – ELECTRICAL REPLACE RADIO AT 14600 S 855 W METER ST	421.76 1,368.29	1,790.05
179932	12/28/23	CHRISTENSEN & JENSEN PC 51000650 5284	GENERAL ADJUDICATION	450.00	450.00
179933	12/28/23	DOMINION ENERGY 70100590 5420 71000590 5420 72000590 5420 72000590 5420 75300590 5420 75300590 5420 75300590 5420 75300590 5420	17040 S 985 W 15305 S 3200 W 11574 WYNDCASTLE ACTI 11574 WYNDCASTLE FILT 1845 CREEK RD 7781 S 1300 E 8153 S 700 E 8200 S 1000 E	998.24 13,364.69 291.99 2,219.91 80.21 100.19 122.31 98.35	17,275.89
179934	12/28/23	ELLIOTT AUTO SUPPLY COMPANY INC 81000570 5330	STEERING STABILIZER	124.23	124.23

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PAYMENT REGISTER - O&M ACCOUNT

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

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
179935	12/28/23	HOSE & RUBBER SUPPLY LLC			\$2,562.64
		82000570 5310	2-PRESSURE GAUGE'S, GARDEN HOSE, CLIN	207.04	
		82000570 5310	4" & 6" SUCTION HOSE FOR DEWATERING TH	2,355.60	
179936	12/28/23	INTERMOUNTAIN FARMERS ASSOCIATION			12.99
		71071570 5350	INSECT SPRAY	12.99	
179937	12/28/23	INTERMOUNTAIN FUSE SUPPLY INC			194.64
		83000570 5350	PARTS TO INSTALL WASH DOWN PUMP AT 23	194.64	
179938	12/28/23	JACOB YOUNG			485.93
		51000650 5290	CRWUA	485.93	
179939	12/28/23	KARL MALONE PLAZA CYCLE			68.97
		81000570 5330	WEAR BAR FOR SIDE X SIDE	68.97	
179940	12/28/23	LEGAL SHIELD			1,289.90
		11000200 2135	PAYROLL 113023	1,289.90	
179941	12/28/23	LN CURTIS & SON			2,350.00
		83000570 5350	FIRE HOSES FOR WASHING DOWN RESERVC	2,350.00	
179942	12/28/23	MARK STRATFORD			481.39
		51000650 5290	CRWUA	481.39	
179943	12/28/23	NAPA GENUINE AUTO PARTS COMPANY			1,214.90
		81000570 5330	REPAIR PARTS FROM NAPA	1,214.90	
179944	12/28/23	NATIONAL BENEFIT SERVICES HRA			2,954.16
		11000200 2135	PAYROLL 113023	2,954.16	
179945	12/28/23	PEAK MOBILE COMMUNICATION			50,083.94
		11000194 6010 4298	MICROWAVE EQUIPMENT	50,083.94	
179946	12/28/23	PORTER PAINTS			344.56
		82000570 5380	PAINT FOR THE CP LINE AIR VACS	344.56	
179947	12/28/23	POSTMASTER			1,600.00
		77000590 5250	POSTAGE FOR LSL POSTCARD MAILING	1,600.00	
179948	12/28/23	PRIVATIZED WATER TREATMENT, LLC			120,150.00
		11000170 6010	WATER SHARE PURCHASE	120,150.00	
179949	12/28/23	REED GIBBY			587.13
		51000660 5290	CRWUA	587.13	

JORDAN VALLEY WATER CONSERVANCY DISTRICT

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

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
179950	12/28/23	ROCKY MOUNTAIN POWER			\$72,439.45
		71000590 5410	175509260287	22,042.54	
		72000590 5410	175509260188	11,579.44	
		75200590 5410	175509260063	11.36	
		75200590 5410	227856660021	251.15	
		75200590 5410	287176760018	21.73	
		75200590 5410	311522760330	34.12	
		75200590 5410	329228560010	82.17	
		75200590 5410	377120460060	15.86	
		75300590 5410	261824160053	572.31	
		75300590 5410	333821260010	221.45	
		75300590 5410	913799040047	374.67	
		75300590 5410	175509260220	160.97	
		75300590 5410	175509260386	95.34	
		75300590 5410	261824160038	319.43	
		75300590 5410	261824160046	193.02	
		75500590 5410	175509260410	27,572.56	
		75500590 5410	227856660120	8,195.33	
		75500590 5410	259822160018	469.43	
		75600590 5410	175509260022	29.36	
		75600590 5410	175509260246	14.92	
		75600590 5410	311522760033	25.01	
		75600590 5410	311522760363	20.24	
		75600590 5410	377220560033	30.83	
		75700590 5410	377220560025	83.39	
		75700590 5410	175509260261	22.82	
179951	12/28/23	SANDY CITY			2,400.00
		82000570 5380	RAISE 4- VALVE BOXES AFTER 1300 E WAS R	2,400.00	
179952	12/28/23	SELECTHEALTH			259,424.70
		11000200 2135	PAYROLL 113023	259,424.70	
179953	12/28/23	TYLER TECH			3,200.00
		51000650 5290	FEE TO CONVERT FROM SEMI-MONTHLY TO	3,200.00	
179954	12/28/23	UTAH DIVISION OF GOV. OPERATIONS			14,943.12
		81000570 5340	NOVEMBER FLEET FUEL BILL	14,943.12	
179955	12/28/23	UTAH SAFETY COUNCIL			350.00
		51000650 5260	JVWCD MEMBERSHIP RENEWAL - UTAH SAFE	350.00	
179956	12/29/23	CRUS OIL INC			1,730.55
		81000570 5320	15W40 OIL, WASHER FLUID	1,730.55	
179957	12/29/23	KEN GARFF WEST VALLEY DODGE			951.20
		81000570 5330	FUEL TANK, CANISTER	951.20	
179958	12/29/23	NAPA GENUINE AUTO PARTS COMPANY			1,515.34
		81000570 5330	BRAKE PADS, DRAIN PLUG	45.37	
		81000570 5330	CREDIT	-228.39	
		81000570 5330	REPAIR PARTS FROM NAPA	1,698.36	
179959	12/29/23	NORTH AMERICAN COMPANY FOR LIFE & HEALTH			261.50
		51000650 5125	LIFE INSURANCE PREMIUM-EXEMPT	261.50	

JORDAN VALLEY WATER CONSERVANCY DISTRICT

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PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
179960	12/29/23	ROCKY MOUNTAIN POWER			\$20,274.05
		70100590 5410	175509260279	74.61	
		70100590 5410	377220560017	250.95	
		75200590 5410	311522760223	1,661.96	
		75200590 5410	311522760512	3,266.14	
		75200590 5410	311522760538	1,358.69	
		75200590 5410	311522760546	262.04	
		75200590 5410	311522760553	91.78	
		75200590 5410	311522760561	5,348.45	
		75200590 5410	311522760579	4,155.87	
		75300590 5410	911749030019	291.14	
		75300590 5410	326593760019	222.31	
		75300590 5410	333110060014	58.60	
		75300590 5410	333819860011	70.07	
		75300590 5410	333822660010	34.92	
		75300590 5410	376190160014	283.63	
		75300590 5410	377120460045	225.13	
		75300590 5410	175509260170	40.96	
		75300590 5410	175509260204	30.60	
		75300590 5410	175509260329	158.87	
		75300590 5410	311522760017	181.88	
		75300590 5410	311522760074	839.75	
		75300590 5410	311522760199	587.24	
		75300590 5410	175509260048	153.31	
		75300590 5410	175509260055	61.78	
		75300590 5410	175509260139	17.53	
		75500590 5410	913799040021	263.52	
		75600590 5410	311522760173	13.33	
		75600590 5410	311522760454	36.56	
		75600590 5410	311522760470	26.03	
		75600590 5410	311522760629	15.42	
		75600590 5410	377120460094	18.75	
		75600590 5410	377120460102	15.42	
		75600590 5410	175509260352	47.48	
		75600590 5410	175509260394	28.64	
		75600590 5410	311522760066	16.03	
		75600590 5410	311522760165	21.23	
		75700590 5410	364292260015	43.43	
179961	12/29/23	US BANK FINANCIAL			44,824.25
		11000200 2132	PCARDS 112823-122623	44,824.25	
179962	12/29/23	UTAH WATER FINANCE AGENCY			4,963.00
		51000650 5286	2023 UWFA ANNUAL FEE ALLOCATION	4,963.00	
179963	12/29/23	VERIZON WIRELESS			1,831.66
		90000650 5230	VERIZON AMI BILL	50.14	
		90000650 5230	VERIZON WIRELESS IPAD BILL	136.98	
		90000650 5230	VERIZON WIRELESS PHONE & DATA ACCESS	1,305.33	
		90071650 5230	VERIZON AMI BILL	25.00	
		90071650 5230	VERIZON WIRELESS PHONE & DATA ACCESS	65.15	
		90072650 5230	VERIZON AMI BILL	25.00	
		90072650 5230	VERIZON WIRELESS PHONE & DATA ACCESS	25.14	
		90077650 5230	VERIZON WIRELESS PHONE & DATA ACCESS	126.69	
		90101650 5230	VERIZON AMI BILL	25.00	
		90101650 5230	VERIZON WIRELESS PHONE & DATA ACCESS	47.23	

JORDAN VALLEY WATER CONSERVANCY DISTRICT

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PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
179964	12/29/23	WEST JORDAN CITY			\$2,190.88
		51000650 5410	8275 S 1300 W	8.43	
		51000650 5430	8215 S 1300 W	680.70	
		51000650 5430	8275 S 1300 W	62.20	
		51000650 5440	8275 S 1300 W	1,439.55	
505131 EFT	12/8/23	ALLEN LAMBERT			23,589.55
		62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	23,589.55	
505132 EFT	12/8/23	BARRETT BUSINESS SERVICES, INC			8,702.74
		52000650 5280	TEMP EMPLOYEE TIME	3,797.06	
		62000570 5350	TEMP EMPLOYEE TIME	4,905.68	
505133 EFT	12/8/23	BENJAMIN & CHRIS PATTISON			1,717.47
		62000570 5670	LOCALSCAPES REWARDS PROGRAM PAYME	1,717.47	
505134 EFT	12/8/23	BLUE STAR GAS			66.68
		81000570 5340	PROPANE FOR FORK LIFTS	66.68	
505135 EFT	12/8/23	CHEMTECH-FORD INC			1,227.44
		77000590 5770	WATER QUALITY ANALYSIS	150.75	
		77071590 5770	WATER QUALITY ANALYSIS	182.93	
		77073590 5770	WATER QUALITY ANALYSIS	743.01	
		77075590 5770	WATER QUALITY ANALYSIS	150.75	
505136 EFT	12/8/23	COLLEEN PRICE			2,926.82
		62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	2,926.82	
505137 EFT	12/8/23	CORE & MAIN			55.22
		82000570 5380	CROSSHEAD LOCKNUT FOR SNAP CUTTERS	55.22	
505138 EFT	12/8/23	DAVID & DIANNA PUGH TRUST			5,236.00
		62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	5,236.00	
505139 EFT	12/8/23	DOUGLAS & CONNIE SIMS TRUST			10,061.52
		62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	10,061.52	
505140 EFT	12/8/23	ELECSYS INTERNATIONAL CORPORATION			320.00
		90000650 5230	ELECSYS CATHODIC PROTECTION MONTHLY	70.00	
		90101650 5230	ELECSYS CATHODIC PROTECTION MONTHLY	250.00	
505141 EFT	12/8/23	FOLIAGE, INC			150.00
		51000650 5350	PLANT SERVICES	150.00	
505142 EFT	12/8/23	GEOSYNTEC			4,619.38
		11000186 6010 4271	8-MG & 2-MG STEEL RESERVOIRS PAINT AND	4,619.38	
505143 EFT	12/8/23	HANSEN ALLEN & LUCE INC			6,678.80
		11000184 6010 4320	2023-2024 VAULT IMPROVEMENTS PROJECT	6,678.80	
505144 EFT	12/8/23	HARRINGTON INDUSTRIAL PLASTICS LLC			9.88
		81072570 5380	UNION TO REPAIR SAMPLE LINE SERWTP	9.88	
505145 EFT	12/8/23	INDUSTRIAL SUPPLY			31.69
		82000570 5310	RAIN GEAR FOR KASEY, & KIA	31.69	
505146 EFT	12/8/23	INFINITY CORROSION GROUP INC			1,062.22
		83000570 5380	LEAD TESTING VAULTS GROUP 1	1,062.22	

JORDAN VALLEY WATER CONSERVANCY DISTRICT

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505147	EFT 12/8/23	INSIGHT PUBLIC SECTOR INC 90000650 5230	RENEW FORCEPOINT EMAIL AND WEB FILTEI	12,930.12	\$12,930.12
505148	EFT 12/8/23	LARRY H MILLER FORD 81000570 5330	OIL SEPERATOR FOR 730.	334.40	334.40
505149	EFT 12/8/23	PETERSON PLUMBING SUPPLY 81000570 5380	2--1/2 ELBO AND NIPPLE 23RD AND 98TH	98.60	98.60
505150	EFT 12/8/23	ROBERT TATE 62000570 5670	LOCALSCAPES REWARDS PROGRAM PAYME	1,545.58	1,545.58
505151	EFT 12/8/23	ROCKY MOUNTAIN WIRE ROPE 82000570 5310	6-HOOKS FOR TIEDOWN CHAIN ON EQUIPME	63.78	63.78
505152	EFT 12/8/23	SCOTT WIPPERMAN FAMILY TRUST 62000570 5670	LOCALSCAPES REWARDS PROGRAM PAYME	1,002.52	1,002.52
505153	EFT 12/8/23	THATCHER COMPANY 75000590 5710	SODIUM HYPOCHLORITE FOR DIST.	6,256.24	6,256.24
505154	EFT 12/8/23	TIRE WORLD 81000570 5330	FRONT TIRES FOR 737	820.00	820.00
505155	EFT 12/8/23	UNIQUE AUTO BODY 51000000 6210	REPAIRS TO VEHICLE 732 INVOLVED IN CRAE	2,093.88	2,093.88
505156	EFT 12/8/23	VALERIE MILLETTE 62000570 5170	UNIFORM REIMBURSEMENT	149.99	149.99
505157	EFT 12/8/23	WHEELER 81000570 5330	BOLTS AND NUTS FOR CUTTING EDGE ON C/	19.20	19.20
505158	EFT 12/15/23	ADVANCED ENGINEERING & ENVIRONMENTAL SERVICES 11000184 6010 4199 11000184 6010 4311	3600 WEST 10200 SOUTH PUMP STATION GENERATOR PROJECT PHASE II	10,850.54 17,254.00	28,104.54
505159	EFT 12/15/23	BARRETT BUSINESS SERVICES, INC 52000650 5280	TEMP EMPLOYEE TIME	1,578.00	1,578.00
505160	EFT 12/15/23	BIZWEAR 80000570 5170	EMPLOYEE UNIFORM ORDERS - BACK ORDE	46.00	46.00
505161	EFT 12/15/23	BLUE STAKES OF UTAH 82000570 5390	BLUE STAKES OF UTAH	2,516.40	2,516.40
505162	EFT 12/15/23	BOWEN COLLINS & ASSOCIATES 11000175 6010 4257 11000180 6010 4242 11000180 6010 4286 11000180 6010 4310 11000184 6010 4321	SOUTHEAST COLLECTION LINE COND WELL DEVELOPMENT & TEST PUMPIN ETIENNE WAY & MURRAY HOLLADAY 13&64 WELL REPAIR SWA REACH 2 - 13400 S TO 11800 S	512.25 5,435.25 494.75 5,450.75 2,990.75	14,883.75
505163	EFT 12/15/23	CENTRAL UTAH WATER CONSERVANCY DISTRICT 51000650 5284	GSL LITIGATION FEES	7,216.50	7,216.50
505164	EFT 12/15/23	CHEMTECH-FORD INC 77073590 5770	WATER QUALITY ANALYSIS	1,900.00	1,900.00

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505165	EFT 12/15/23	CINTAS CORPORATION 51000650 5260	FIRST AID CABINET SUPPLIES	193.80	\$193.80
505166	EFT 12/15/23	CONSOR NORTH AMERICA, INC 52000570 5400	SURVEY WORK DISTRICT PROPERTIES & EA:	6,840.00	6,840.00
505167	EFT 12/15/23	DELL MARKETING LP 90078650 5230	DELL OPTIPLEX DESKTOP WARRANTY EXTEI	166.60	166.60
505168	EFT 12/15/23	DESERET NEWS 51000650 5284	LEGAL NOTICE FOR BONDS TO BE ISSUED - I	144.70	144.70
505169	EFT 12/15/23	EA ENGINEERING SCIENCE & TECHNOLOGY INC 77073590 5770	WET TEST	1,000.00	1,000.00
505170	EFT 12/15/23	EJ USA INC 82000570 5380	3-HATCH SPRING ASSEMBLY BY-PRODUCTS	584.21	584.21
505171	EFT 12/15/23	ENDRESS + HAUSER INC 91000570 5310	REPLACE DISPLAYS IN LEVEL TRANSMITTER	1,923.27	1,923.27
505172	EFT 12/15/23	ENERGY TECH PLUMBING 52000570 5400 52000570 5400	OPERATION AND MAINTENANCE OF D OPERATION AND MAINTENANCE OF DISTRIC	2,745.60 1,054.40	3,800.00
505173	EFT 12/15/23	ERIKS NORTH AMERICA 75000570 5380	BALL VALVES FOR 9 & 85 WELL	64.52	64.52
505174	EFT 12/15/23	FASTENAL COMPANY 75002570 5380	BOLTS, NUTS, AND WASHERS	93.62	93.62
505175	EFT 12/15/23	GRAYBAR ELECTRIC COMPANY INC 91000194 6010	REPLACE STARTER CIRUIT BOARDS AT 32 & 1	35,879.66	35,879.66
505176	EFT 12/15/23	HANSEN ALLEN & LUCE INC 11000180 6010 4281	COLLEGE ST. WELL REPAIRS	262.25	262.25
505177	EFT 12/15/23	HEATH ENGINEERING COMPANY 11000160 6010 4287 11000182 6010 4279	SWGWTP & EDUCATION BLDG HVAC I JVWTP HIGH-RISE BOILERS REPLACEMENT	3,500.00 1,630.00	5,130.00
505178	EFT 12/15/23	HY-KO SUPPLY COMPANY 83000570 5350	TRASH CAN LINERS	1,044.42	1,044.42
505179	EFT 12/15/23	INFINITY CORROSION GROUP INC 82000570 5360	INFINITY CORROSION 13400 S RELOCATION I	1,440.00	1,440.00
505180	EFT 12/15/23	KILGORE COMPANIES, LLC 82000570 5380 82000570 5380	CONCRETE, BEDDING SAND & SPOIL PLM M/	1,848.84 349.13	2,197.97
505181	EFT 12/15/23	MARCUS G FAUST PC 51000650 5284	PROFESSIONAL CONSULTING SERVICES	3,000.00	3,000.00
505182	EFT 12/15/23	MICHAEL STANFIELD 62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	573.56	573.56
505183	EFT 12/15/23	MIKE LORENC 62000570 5170	UNIFORM REIMBURSEMENT - SCHEELS - SHI	169.46	169.46

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505184	EFT 12/15/23	MOUNTAINLAND SUPPLY COMPANY 82000570 5380	CRITICAL PARTS 4",6",8",10"& 12" MACRO COI	36,591.13	\$36,591.13
505185	EFT 12/15/23	MOWER MEDIC 83000570 5350	TRIMMER LINE	172.06	172.06
505186	EFT 12/15/23	NELSON BROTHERS CONSTRUCTION COMPANY 11000184 6010 4275	INSTALL PUMP #1 AT OLD BINGHAM PUMP ST	220.61	220.61
505187	EFT 12/15/23	OLYMPUS SAFETY & SUPPLY LLC 75000590 5260 75000590 5260	GAS MONITOR SENSOR PARTS MSA ALTAIR GAS MONITOR	455.00 830.00	1,285.00
505188	EFT 12/15/23	PILOT THOMAS LOGISTICS 75000570 5360	525 GALLONS OF DIESEL FOR GENERATOR A	1,662.98	1,662.98
505189	EFT 12/15/23	PLATT ELECTRIC SUPPLY INC 91072570 5310	ELECTRICAL FITTINGS FOR BEACON LIGHT	16.24	16.24
505190	EFT 12/15/23	POLYDYNE INC 72000590 5710	1,000 GALLONS OF PEC CHEMICAL	8,014.44	8,014.44
505191	EFT 12/15/23	PROFESSIONAL PEST CONTROL LLC 83000570 5350 83071570 5350 83072570 5350 83073570 5350	PEST CONTROL FOR NOVEMBER PEST CONTROL FOR NOVEMBER PEST CONTROL FOR NOVEMBER PEST CONTROL FOR NOVEMBER	270.00 200.00 100.00 50.00	620.00
505192	EFT 12/15/23	QUICK QUACK 83000570 5360	CARWASH TRIAL FOR FLEET VEHICLES	259.90	259.90
505193	EFT 12/15/23	ROYAL WHOLESALE ELECTRIC 91000570 5310	REPLACE PLC CARDS AT 36&102 PUMP STATI	676.80	676.80
505194	EFT 12/15/23	SHERWIN-WILLIAMS COMPANY 83000570 5350	PAINT FOR THE SOUTH CONFERENCE ROOM	237.47	237.47
505195	EFT 12/15/23	SPRINKLER SUPPLY COMPANY 83000570 5350 83000570 5350	CREDIT SPRINKLER CLOCK FOR MAINTENANCE BUIL	-96.84 503.88	407.04
505196	EFT 12/15/23	THATCHER COMPANY 72000590 5710 75000590 5710	PURCHASE OF CHLORINE FOR THE FISCAL Y SODIUM HYPOCHLORITE FOR DIST.	15,723.97 -272.35	15,451.62
505197	EFT 12/15/23	TRAILBLAZER CONTROLS CORPORATION 91000570 5310	PH SENSOR & PH MONITOR	1,802.00	1,802.00
505198	EFT 12/15/23	TRANS-JORDAN CITIES 75002570 5380	DISPOSED OF COMPOSITE LIDS	179.40	179.40
505199	EFT 12/15/23	UTAH BARRICADE COMPANY INC 82000570 5380	TRAFFIC CONTROL FOR VAULT REPAIR & MA	2,683.87	2,683.87
505200	EFT 12/15/23	UTAH LAKE WATER USERS ASSOCIATION INC 70000510 5810	ULWUA NOVEMBER 2023 MAINTENANCE	2,589.63	2,589.63
505201	EFT 12/15/23	UTAH YAMAS CONTROLS INC 90073650 5230	ACCESS CONTROL PANEL REPAIR AT SWGW	357.50	357.50

JORDAN VALLEY WATER CONSERVANCY DISTRICT

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505202	EFT 12/15/23	VANGUARD CLEANING SYSTEMS OF UTAH			\$7,389.45
		83000570 5360	JANITORIAL SERVICES	4,813.42	
		83071570 5360	JANITORIAL SERVICES	1,562.38	
		83072570 5360	JANITORIAL SERVICES	600.90	
		83073570 5360	JANITORIAL SERVICES	412.75	
505203	EFT 12/15/23	WNA SERVICES CO.			150.00
		51000650 5170	UTAH NEWS TRACKER READING CHARGE	150.00	
505204	EFT 12/22/23	CHEMTECH-FORD INC			2,045.00
		77000590 5770	WATER QUALITY ANALYSIS	149.98	
		77071590 5770	WATER QUALITY ANALYSIS	149.98	
		77073590 5770	WATER QUALITY ANALYSIS	1,595.06	
		77075590 5770	WATER QUALITY ANALYSIS	149.98	
505205	EFT 12/22/23	FASTENAL COMPANY			7.96
		75002570 5380	HEX NUTS	7.96	
505206	EFT 12/22/23	FINLINSON & FINLINSON PLLC			16,563.00
		51000650 5284	PREP 60	16,563.00	
505207	EFT 12/22/23	RICHARD BILLINGS			400.00
		83000570 5350	GOPHER REMOVAL AT JWCD CAMPUS	400.00	
505208	EFT 12/22/23	GRITTON & ASSOCIATES			206.00
		81000570 5380	SEAL SLEEVE FOR HVAC PUMP 118TH 3200W	206.00	
505209	EFT 12/22/23	HARRINGTON INDUSTRIAL PLASTICS LLC			24.74
		83000570 5350	2" MALE ADAPTER AND GLUE TO FIX WASH D	24.74	
505210	EFT 12/22/23	HOUSTON PAINTING COMPANY			5,500.00
		83101570 5380	AQUEDUCT VAULT PIPING REHABILITATION	5,500.00	
505211	EFT 12/22/23	IDEXX LABORATORIES INC			9,962.41
		78000590 5720	MICRO SUPPLIES	9,962.41	
505212	EFT 12/22/23	INFINITY CORROSION GROUP INC			13,982.68
		11000186 6010 4271	8-MG & 2-MG STEEL RESERVOIRS P	13,982.68	
505213	EFT 12/22/23	INTERNATIONAL DIOXIDE INC			29,787.30
		71000590 5710	CHEMICALS FOR JWWT - SODIUM CHLORITE	29,787.30	
505214	EFT 12/22/23	KWIK KOPY PRINTING			92.00
		51000650 5220	BUSINESS CARDS	92.00	
505215	EFT 12/22/23	MEAGHAN MAHER			7,605.00
		62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	7,605.00	
505216	EFT 12/22/23	MIKE BRINTON			174.00
		80000570 5290	D-4 WATER OPERATOR EXAM FEE REIMBURSE	174.00	
505217	EFT 12/22/23	MURRAY CITY CORPORATION			145.28
		75309590 5410	350 E 4500 S PUMP	145.28	
505218	EFT 12/22/23	PLATT ELECTRIC SUPPLY INC			1,397.07
		81000570 5380	LED LIGHTS AND REPAIR PARTS FOR LIGHTS	154.81	
		81000570 5380	LED LIGHTS FOR THE WELDING ROOM	390.80	
		81072570 5380	STAINLESS UNISTRUT FOR CAMERA SENSOF	851.46	

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PAYMENT REGISTER - O&M ACCOUNT

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

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
505219	EFT 12/22/23	STAPLES BUSINESS ADVANTAGE			\$520.87
		51000650 5220	OFFICE SUPPLIES	225.01	
		80000570 5220	OFFICE SUPPLIES	295.86	
505220	EFT 12/22/23	STEVE REGAN COMPANY			327.52
		83072570 5350	LANDSCAPE FABRIC FOR SERWTP TO INSTAI	327.52	
505221	EFT 12/22/23	SWIRE COCA-COLA USA			148.28
		51000650 5170	COKE PRODUCTS	148.28	
505222	EFT 12/22/23	TRANS-JORDAN CITIES			224.50
		83000570 5350	MIXED WASTE	224.50	
505223	EFT 12/22/23	TWIN "D" INC			1,188.75
		71071570 5360	INSPECTION OF DRAIN LINES	1,188.75	
505224	EFT 12/22/23	WINMARK STAMP & SIGN INC			61.55
		83000570 5350	OFFICE NAME PLATES FOR CHRISTINA BENN	61.55	
505225	EFT 12/22/23	WW GRAINGER			109.92
		81000570 5380	ELETRIC HEATER FOR WELL COLECTOR	109.92	
505226	EFT 12/29/23	ABIGAIL LITTLE			19.00
		51000650 5260	TEMP SAFETY POINTS	19.00	
505227	EFT 12/29/23	ALEXIS MORSE			58.00
		51000650 5260	TEMP SAFETY POINTS	58.00	
505228	EFT 12/29/23	ALISON REZAC MARTIN			60.00
		51000650 5260	TEMP SAFETY POINTS	60.00	
505229	EFT 12/29/23	ANDY ADAMS			52.00
		80000570 5290	CDL LIC RENEWALL FEES - REIMBURSEMENT	52.00	
505230	EFT 12/29/23	AUDREY LINFORD			28.00
		51000650 5260	TEMP SAFETY POINTS	28.00	
505231	EFT 12/29/23	BARRETT BUSINESS SERVICES, INC			1,827.00
		52000650 5280	TEMP EMPLOYEE TIME	1,827.00	
505232	EFT 12/29/23	BEACON METALS INC			390.76
		83000570 5350	NEW THRESHOLDS FOR 2 DOORS AT JNPS	390.76	
505233	EFT 12/29/23	BENJAMIN PERDUE			4,730.00
		51000650 5180	TUITION REIMBURSEMENT	4,730.00	
505234	EFT 12/29/23	BRINKMANN INSTRUMENTS, INC			2,965.67
		78000590 5720	INSTRUMENT PARTS	2,965.67	
505235	EFT 12/29/23	BROWN AND CALDWELL CORP.			3,823.25
		11000140 6010 4294	LCRR SERVICE LINE INVENTORY	3,823.25	
505236	EFT 12/29/23	CARENOW			247.00
		51000650 5170	NEW HIRE & RANDOM DRUG TESTING	247.00	
505237	EFT 12/29/23	CENTRAL UTAH WATER CONSERVANCY DISTRICT			160,820.80
		70000510 5810	CUWCD CWP WATER DELIVERIES NOVEMBER	160,820.80	

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PAYMENT REGISTER - O&M ACCOUNT

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

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
505238	EFT 12/29/23	CENTURYLINK / LUMEN 90000650 5230	8215 S 1300 W	1,836.70	\$1,836.70
505239	EFT 12/29/23	CHEMTECH-FORD INC 77073590 5770 77075590 5770	WATER QUALITY ANALYSIS WATER QUALITY ANALYSIS	86.00 580.00	666.00
505240	EFT 12/29/23	CHEMTRAC 91072570 5310	REPAIR PARTICLE COUNTERS AT SERWTP	1,470.00	1,470.00
505241	EFT 12/29/23	CORE & MAIN 51000000 6210 82000570 5380	FIRE HYDRANT DAMAGED BY VEHICLE 800 E 3-FERNCO COUPLERS FOR CP LINE AIR VAC	4,642.11 50.46	4,692.57
505242	EFT 12/29/23	CURTIS SODERBORG 51000650 5260	TEMP SAFETY POINTS	35.00	35.00
505243	EFT 12/29/23	DAKOTA F.SMITH 51000650 5260	TEMP SAFETY POINTS	67.00	67.00
505244	EFT 12/29/23	DEBBIE RINQUEST 62000570 5670	LANDSCAPE INCENTIVE PROGRAM PAYMENT	1,805.00	1,805.00
505245	EFT 12/29/23	EMILY KENNER 51000650 5260	TEMP SAFETY POINTS	60.00	60.00
505246	EFT 12/29/23	EXPRESS AUTO GLASS INC 81000570 5330	WINDSHIELD REPLACMENT, AND REPAIRS.	259.00	259.00
505247	EFT 12/29/23	FERGUSON ENTERPRISES LLC 82000570 5380	4" X 12" & 4" X 24" REPAIR CLAMPS FOR MLB'	4,510.32	4,510.32
505248	EFT 12/29/23	HACH COMPANY 71000590 5720	MP-6 Portable Meter Essentials Package	2,132.56	2,132.56
505249	EFT 12/29/23	HANSEN ALLEN & LUCE INC 11000188 6010 4204	ZONE D CHEMICAL FEED FACILITY	10,871.80	10,871.80
505250	EFT 12/29/23	HOUSTON PAINTING COMPANY 83101570 5380	AQUEDUCT VAULT PIPING REHABILITATION	4,625.00	4,625.00
505251	EFT 12/29/23	INDUSTRIAL SUPPLY 82000570 5310	RAIN GEAR FOR REGAN	70.00	70.00
505252	EFT 12/29/23	INFINITY CORROSION GROUP INC 82000570 5360	RECTIFIER REPAIRS AND RMU MONITORING	2,669.34	2,669.34
505253	EFT 12/29/23	INTERMOUNTAIN CONCRETE SPECIALTIES 82000570 5360	84 BAGS OF CONCRETE MIX FOR THRUST BL	676.20	676.20
505254	EFT 12/29/23	JACOBS ENGINEERING GROUP INC 77073590 5770	GSL BIRD SURVEY	9,590.70	9,590.70
505255	EFT 12/29/23	JORDAN TOMSIC 51000650 5180	TUITION REIMBURSEMENT	547.50	547.50
505256	EFT 12/29/23	LUKE MCLAUGHLIN 51000650 5260	TEMP SAFETY POINTS	22.00	22.00

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PAYMENT REGISTER - O&M ACCOUNT

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

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
505257	EFT 12/29/23	MCKENNA ANDERSEN 51000650 5260	TEMP SAFETY POINTS	49.00	\$49.00
505258	EFT 12/29/23	MEGAN HILL 51000650 5260	TEMP SAFETY POINTS	26.00	26.00
505259	EFT 12/29/23	METROPOLITAN WINDOW CLEANING OF UTAH LLC 83071570 5360 83073570 5360	SEMI-ANNUAL WINDOW CLEANING SERVICE SEMI-ANNUAL WINDOW CLEANING SERVICE	1,719.90 1,350.00	3,069.90
505260	EFT 12/29/23	MOWER MEDIC 82000570 5310	STIHL TS 800 PIPESAW FOR PIELINE MAINTENANCE	1,439.00	1,439.00
505261	EFT 12/29/23	OWEN EQUIPMENT 81000570 5330	HANDGUN LINER	81.93	81.93
505262	EFT 12/29/23	PECZUH PRINTING 62000570 5270	QWEL POSTCARD/HANDOUT 2024	66.00	66.00
505263	EFT 12/29/23	ROBERT I MERRILL COMPANY 81000570 5310	HINGE DR. FOR ADJUSTING DOORS	232.00	232.00
505264	EFT 12/29/23	SARA KEELE 51000650 5260	TEMP SAFETY POINTS	50.00	50.00
505265	EFT 12/29/23	SARAH LUNDY 51000650 5260	TEMP SAFETY POINTS	31.00	31.00
505266	EFT 12/29/23	STATE FIRE 83000570 5360 83071570 5360	FIRE EXTINGUISHER SERVICE FIRE EXTINGUISHER SERVICE	159.35 502.48	661.83
505267	EFT 12/29/23	TANNER PALMER 51000650 5180	TUITION REIMBURSEMENT	249.93	249.93
505268	EFT 12/29/23	THATCHER COMPANY 71000590 5710 71000590 5710 75000590 5710	CHEMICALS FOR JWTP - HYDROFLUOROSILICIC ACID CHEMICALS FOR JWTP - LIQUID CHLORINE SODIUM HYPOCHLORITE FOR DIST.	16,000.47 19,792.00 4,215.03	40,007.50
505269	EFT 12/29/23	THE DATA CENTER 60000650 5250	NOVEMBER 2023 BILLING	1,842.78	1,842.78
505270	EFT 12/29/23	TIA HOLLINSHEAD 51000650 5260	TEMP SAFETY POINTS	55.00	55.00
505271	EFT 12/29/23	TIRE WORLD 81000570 5330 81000570 5330	FRONT TIRES AND FRONT END ALIGNMENT. TIRES AND FRONT END ALIGNMENT	1,079.98 1,365.44	2,445.42
505272	EFT 12/29/23	UNIVAR USA INC 73000590 5710	PO CAUSTIC SODA 23/24 FISCAL YEAR	6,644.66	6,644.66
505273	EFT 12/29/23	UTAH YAMAS CONTROLS INC 90101650 5230	SECURITY CAMERA REPAIR AT THE POM	262.50	262.50
505274	EFT 12/29/23	VWR INTERNATIONAL INC 78000590 5720 78000590 5720	LAB SUPPLIES MISCELLANEOUS LAB SUPPLIES	952.65 839.59	1,792.24

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PAYMENT REGISTER - O&M ACCOUNT

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

PAYMENT NO.	PAYMENT DATE	VENDOR NAME ACCOUNT#	DESCRIPTION	INVOICE AMOUNT	PAYMENT AMOUNT
505275	EFT 12/29/23	WATERFORD SERVICES, LLC 91000570 5310	CL2 ANALYZER W/SENSOR & SHIPPING	4,540.00	\$4,540.00
505276	EFT 12/29/23	WW GRAINGER 77000590 5750	FIELD EQUIPMENT	69.48	69.48
505277	EFT 12/29/23	ZOE SIM 51000650 5260	TEMP SAFETY POINTS	21.00	21.00
505278	EFT 12/28/23	STOTZ EQUIPMENT 81000570 5330	CUTTING EDGE FOR YARD HOE	615.45	615.45
REPORT TOTAL:					\$2,352,955.00

JORDAN VALLEY WATER CONSERVANCY DISTRICT

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

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

PAYMENT DATE	PAYMENT TYPE	VENDOR NAME	DESCRIPTION	PAYMENT AMOUNT
12/5/2023	ACH	EMPLOYEES	EMPLOYEE RECOGNITION / SAFETY	8,404.03
12/5/2023	ACH	EMPLOYEE	TERMINATED EMPLOYEE CASHOUT	11,181.93
12/5/2023	ACH	EMPLOYEE	SICK LEAVE CONVERSION	110,266.27
12/5/2023	ACH	EMPLOYEE	EMPLOYEE DIRECT DEPOSITS	408,257.09
12/5/2023	ACH	IRS	FEDERAL & MEDICARE TAXES	65,280.64
12/5/2023	ACH	URS	STATE RETIREMENT	118,768.45
12/5/2023	ACH	HEALTHQUITY	EMPLOYEE H.S.A. CONTRIBUTIONS	13,162.33
12/5/2023	ACH	CIGNA HEALTHCARE	EMPLOYEE DENTAL & LIFE INS	18,233.73
12/5/2023	ACH	FIDELITY	SUB SOCIAL SECURITY CONTRIB.	61,205.39
12/7/2023	ACH	EMPLOYEE	SICK LEAVE CAP PAYOUT	106,372.31
12/12/2023	ACH	EMPLOYEES	EMPLOYEE RECOGNITION / SAFETY	3,647.77
12/19/2023	ACH	EMPLOYEES	EMPLOYEE RECOGNITION / SAFETY	2,444.17
12/20/2023	ACH	EMPLOYEE	EMPLOYEE DIRECT DEPOSITS	383,976.79
12/20/2023	ACH	IRS	FEDERAL & MEDICARE TAXES	61,098.14
12/20/2023	ACH	URS	STATE RETIREMENT	117,669.23
12/20/2023	ACH	HEALTHQUITY	EMPLOYEE H.S.A. CONTRIBUTIONS	13,499.83
12/20/2023	ACH	CIGNA HEALTHCARE	EMPLOYEE DENTAL & LIFE INS	17,985.71
12/20/2023	ACH	FIDELITY	SUB SOCIAL SECURITY CONTRIB.	59,722.35
12/21/2023	ACH	EMPLOYEES	EMPLOYEE RECOGNITION / SAFETY	2,890.08
12/26/2023	ACH	EMPLOYEES	EMPLOYEE RECOGNITION / SAFETY	2,156.37
REPORT TOTAL:				\$ 1,586,222.61

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PURCHASE CARD TRANSACTIONS

For the Period 12/1/2023 Through 12/31/2023

DATE	CARD HOLDER	VENDOR NAME	DESCRIPTION	GL	AMOUNT
12/1/2023	TIMOTHY RAINBOLT	SMITHS MRKTPL #4495	SHREWSBURY AWARDS 113023	11000200 2290	300.00
12/1/2023	TERESA ATKINSON	DNH*GODADDY.COM	GODADDY - UWS DOMAIN RENEWAL 1 YEAR \$36.16	90000650 5230	36.16
12/1/2023	LISA KASTELER	AMAZON.COM*K797L09X3	DAYPLANNER FOR STEVE CRAWFORD	51000650 5220	18.39
12/1/2023	LISA KASTELER	AMZN MKTP US*A50DB4CV3	DAYPLANNER FOR EPPIE TRUJILLO	51000650 5220	26.22
12/1/2023	JACKIE BUHLER	STERICYCLE INC/SHRED-IT	PAYMENT FOR INVOICE #8005128658, 8005433231	51000650 5220	322.48
12/1/2023	JACKIE BUHLER	STERICYCLE INC/SHRED-IT	PAYMENT FOR INVOICE #8005128658, 8005433231	71000590 5220	147.26
12/1/2023	JARED BRACE	LOWES #02606*	CONCRETE SEALER AND HAMMER DRILL BIT	82000570 5380	148.08
12/1/2023	SHANE SWENSEN	VILLAGE BAKER INC	LUNCH FOR CIP WORKSHOP	11000140 6010	198.54
12/1/2023	LISA KASTELER	THE HOME DEPOT #4410	HOLIDAY PLANTS FOR THE MAINTENANCE BLDG	80000570 5220	52.59
12/4/2023	GAGE STEWART	THE HOME DEPOT #4409	SOUTH EAST WATER TREATMENT PANT TURB	91000570 5310	28.79
12/4/2023	DANIEL CLAYPOOL	THE HOME DEPOT 8566	REPAIR PARTS FOR FILTER WASH DOWN LINE JWWT	81071570 5380	98.04
12/4/2023	GAGE STEWART	THE HOME DEPOT #4410	EDUCATION LIGHTS	91000570 5310	55.64
12/4/2023	SHANE SWENSEN	VILLAGE BAKER INC	LUNCH FOR CIP WORKSHOP	11000140 6010	178.58
12/4/2023	LISA KASTELER	AMAZON.COM*3Q1VL2M13	AT-A-GLANCE DAY PLANNERS FOR BRIAN C & TROY T	51000650 5220	36.78
12/4/2023	LAINA MCGINTY	AMAZON.COM*O99ZQ41Y3	OFFICE KITCHEN SUPPLIES/COFFEE POT	51000650 5170	35.15
12/4/2023	JACKIE BUHLER	AMZN MKTP US*2S3Z871Y3	KITCHEN SUPPLIES	51000650 5220	76.93
12/4/2023	LAINA MCGINTY	COSTCO *ANNUAL RENEWAL	COSTCO ANNUAL RENEWAL	51000650 5170	386.10
12/4/2023	SHAUN MOSER	AMZN MKTP US*4I7QR3DT3	DISH SOAP AND DRYING PADS FOR ED CENTER	62000570 5350	19.93
12/4/2023	JACKIE BUHLER	AMZN MKTP US*9A9PF4V23	KITCHEN SUPPLIES	51000650 5220	26.38
12/4/2023	JACKIE BUHLER	AMZN MKTP US*D90FW1JU3	HEATER FOR BRIAN	51000650 5220	31.95
12/4/2023	JACKIE BUHLER	AMZN MKTP US*TR8ZN5IB3	KITCHEN SUPPLIES	51000650 5220	25.44
12/4/2023	ALISHA KIMMERLE	AMZN MKTP US*Z32HI1GU3	AIR PURIFIER FOR WATER QUALITY	77000590 5750	28.49
12/4/2023	ALISHA KIMMERLE	DEQ DW	CEU RENEWAL- SEE ATTACHED FOR NAMES	78000590 5290	180.00
12/4/2023	ALISHA KIMMERLE	DEQ DW	CEU RENEWAL- SEE ATTACHED FOR NAMES	75000590 5290	900.00
12/4/2023	ALISHA KIMMERLE	DEQ DW	CEU RENEWAL- SEE ATTACHED FOR NAMES	71000590 5290	360.00
12/4/2023	ALISHA KIMMERLE	DEQ DW	CEU RENEWAL- SEE ATTACHED FOR NAMES	72000590 5290	360.00
12/4/2023	LISA KASTELER	DEQ DW	D-4 WATER OPERATOR RENEWALS FOR MAINTENANCE AND INSTRUMENTATION EMPLOYEES	80000570 5290	1,080.00

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PURCHASE CARD TRANSACTIONS

For the Period 12/1/2023 Through 12/31/2023

DATE	CARD HOLDER	VENDOR NAME	DESCRIPTION	GL	AMOUNT
12/4/2023	ALISHA KIMMERLE	DEQ DW	CEU RENEWAL- SEE ATTACHED FOR NAMES	73000590 5290	180.00
12/4/2023	LISA KASTELER	DEQ DW	D-4 WATER OPERATOR RENEWALS FOR MAINTENANCE AND INSTRUMENTATION EMPLOYEES	91000570 5310	180.00
12/4/2023	ALISHA KIMMERLE	DEQ DW	CEU RENEWAL- SEE ATTACHED FOR NAMES	77000590 5290	540.00
12/4/2023	TIMOTHY RAINBOLT	SMITHS MRKTPL #4495	MITCHELL, PRESTON AWARDS 113023	11000200 2290	250.00
12/4/2023	EPIMENIO TRUJILLO	HOMEDEPOT.COM	REPLACEMENT BATTERIES FOR MILWAUKEE TOOLS	81000570 5310	558.00
12/4/2023	EPIMENIO TRUJILLO	HOMEDEPOT.COM	TWO TORQUE IMPACT WRENCHES AND SHOP VAC	81000570 5310	657.00
12/5/2023	TIMOTHY RAINBOLT	SMITHS MRKTPL #4495	KEELING AWARDS 120423	11000200 2290	100.00
12/5/2023	TROY GARRETT	WITMER MOTOR SERVICE	BEARING SHIM FOR FLOCULATOR MOTOR	81071570 5380	36.44
12/5/2023	JACKIE BUHLER	AMZN MKTP US*O86E93O63	NEW MATS FOR BOARD ROOM	51000650 5220	450.00
12/5/2023	KEENAN ROBERTSON	WM SUPERCENTER #3232	AWWA CRAM FOR THE EXAM	80000570 5170	67.99
12/5/2023	JACKIE BUHLER	AMZN MKTP US	REFUND FOR MATS FOR THE BOARD ROOM	51000650 5220	-450.00
12/5/2023	ALISHA KIMMERLE	AMZN MKTP US	AMAZON RETURN- NO DELIVERY FOR AIR PURIFIER	77000590 5750	-28.49
12/6/2023	LAINA MCGINTY	AMZN MKTP US	RETURN FOR A SERVICE AWARD FOR MATT OLSEN	51000650 5170	-203.00
12/6/2023	ALISHA KIMMERLE	INTERMOUNTAIN SECTION AWW	SYSTEM COMPLIANCE TRAINING JUSTIN SPAINHOWER JEFF SMALL	75000590 5290	80.00
12/6/2023	LAINA MCGINTY	TARGET 00017525	10 CANDY BARS FOR HOLIDAY LUNCHEON	51000650 5170	27.60
12/6/2023	ALISHA KIMMERLE	AMZN MKTP US*5V8N162K3	AIR PURIFIER FOR WATER QUALITY	77000590 5750	29.99
12/6/2023	JACKIE BUHLER	AMZN MKTP US*VG7S66P43	NEW DESK MATS FOR THE BOARD ROOM	51000650 5220	546.84
12/6/2023	SHANE SWENSEN	MOBETTAHS MIDVALE 05	WEST HAVEN MEETING WORK LUNCH	52000570 5400	47.91
12/6/2023	LAINA MCGINTY	SQ *JUDY O'S FLORAL	FLORAL ARRANGEMENT FOR DAVID MARTIN	51000650 5170	100.00
12/6/2023	TERESA ATKINSON	TWILIO D82SF4WRW4QCHP25	TWILIO BALANCE UPDATE \$11.02	90000650 5230	11.02
12/7/2023	PAUL MATTINSON	AMZN MKTP US*JV9S149I3	2 PRONG POWER CORD FOR MICROSCOPE	78000590 5720	12.99
12/7/2023	MINDY KEELING	SMITHS MRKTPL #4495	FOOD FOR PREP60 MEETING ON 12-07-23	51000650 5170	9.99
12/7/2023	TROY GARRETT	MARSHALLS INDSTR L HRDWR	NEW BOLTS AND NUTS FOR PACKING 48TH AND 45TH	81000570 5380	92.67
12/7/2023	KEENAN ROBERTSON	WAL-MART #3232	AWWA CRAM FOR THE EXAM SNACKS	80000570 5170	80.14
12/7/2023	JEFFREY BETTON	SMITHS MRKTPL #4495	SAFETY MEETING SNACKS FOR DECEMBER 7TH. ALSO, SOME EXTRA SNACKS FOR EMERGENCIES.	51000650 5260	52.95
12/8/2023	LAINA MCGINTY	AMZN MKTP US*1L7RO32H3	20 YEARS SERVICE AWARD FOR MATT OLSEN	51000650 5170	111.20

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PURCHASE CARD TRANSACTIONS

For the Period 12/1/2023 Through 12/31/2023

DATE	CARD HOLDER	VENDOR NAME	DESCRIPTION	GL	AMOUNT
12/8/2023	LAINA MCGINTY	WWW.KOHL.S.COM #0873	20 YEARS SERVICE AWARD FOR MATT OLSEN	51000650 5170	35.03
12/11/2023	JEFFREY BETTON	IN *LOUMIS CDL TESTING	CDL DRIVERS TEST - GABE ALLEN	80000570 5290	258.00
12/11/2023	TERESA ATKINSON	MICROSOFT G034671942	AZURE NOVEMBER 2023 G03256082 \$892.36	90000650 5230	892.36
12/11/2023	EPIMENIO TRUJILLO	VICTORS TIRES WEST JORDA	FRONT END ALIGNMENT FOR # 721	81000570 5330	120.00
12/11/2023	TERESA ATKINSON	AMAZON.COM*KQ2NO39K3	AMAZON ORDER #112-2869788-8717053 JOSH MCDUGAL POE TESTER - \$64.99	90000650 5230	64.99
12/11/2023	JACKIE BUHLER	AMZN MKTP US*7H0SS80L3	POCKET CALENDARS, AND TOUCH PAD FOR TIM	51000650 5220	343.64
12/11/2023	BRYAN SMITH	AMZN MKTP US*I59312JP3	WALL HANGERS FOR DEBRIS NETS	72000590 5310	25.33
12/11/2023	LAINA MCGINTY	AMZN MKTP US*R51ME7X33	10 YEARS SERVICE AWARD FOR SHAUN MOSER	51000650 5170	88.98
12/11/2023	MINDY KEELING	INTERMOUNTAIN SECTION AWW	YOUNG PROFESSIONALS TOUR DURING AWWA IMS ANNUAL CONFERENCE - JACOB YOUNG	51000650 5290	17.00
12/11/2023	MICHAEL BROWN	THE HOME DEPOT #4410	CHALK LINE AND STRIPING PAINT FOR VEHICLE STORAGE PICKLEBALL COURT	83000570 5350	114.77
12/11/2023	CALIN PERRY	THE HOME DEPOT #4410	RATCHET STAPS AND D RING HOOKS	82000570 5310	19.83
12/11/2023	MINDY KEELING	VILLAGE BAKER INC	FOOD FOR PREP60 MEETING ON 12-7-23	51000650 5170	101.00
12/11/2023	NICK MCDONALD	THE UPS STORE 4976	Shipping of a chlorine dioxide analyzer	71100570 5380	126.02
12/12/2023	JACKIE BUHLER	FORMS FULFILLMENT CENTER	CREDIT FOR THE WRONG FORMS	51000650 5220	-96.87
12/12/2023	LAINA MCGINTY	BESTBUYCOM806872553226	15 YEARS SERVICE AWARD FOR FRANK SMITH	51000650 5170	299.99
12/12/2023	LAINA MCGINTY	SP CALLAWAYAPPARELCO	15 YEARS SERVICE AWARD FOR FRANK SMITH	51000650 5170	21.44
12/13/2023	JUSTIN SPAINHOWER	4UP*STONEBRIDGE	ACCIDENTAL PERSONAL PURCHASE WITH P CARD	75000570 5380	8.75
12/13/2023	DAVID HYDE	AMZN MKTP US*YE00842V3	LIGHTS FOR VEHICLE STORAGE BUILDING	81000570 5380	1,569.92
12/14/2023	TERESA ATKINSON	AMAZON.COM*0O6RG9E23	AMAZON ORDER #112-6993116-0371441 DAVID GREGORY - KYLE A MONITOR - \$399.99	90000650 5230	399.99
12/14/2023	YVETTE AMPARO	AMAZON.COM*X62857563	FOOT REST	51000650 5220	22.78
12/14/2023	MINDY KEELING	AMPP	STEVE SCHMIDT REGISTRATION FOR AMPP CONFERENCE	80000570 5290	1,075.00
12/14/2023	MINDY KEELING	AMPP	STEVE SCHMIDT AMPP MEMBERSHIP REGISTRATION	80000570 5290	100.00
12/14/2023	EPIMENIO TRUJILLO	AMZN MKTP US*D27ZA67B3	LITTLE TREE AIR FRESHENERS FOR THE FLEET VEHICLES	81000570 5330	39.50
12/14/2023	LAINA MCGINTY	AMZN MKTP US*HZ7SJ3ZN3	WELLNESS PROGRAM/ OFFICE PIN BOARD	51000650 5130	64.39
12/14/2023	TERESA ATKINSON	DRI*PRINTING SERVICES	UPRINTING INV#11958287 BOXES FOR EMPLOYEE WELCOME \$944.11	51000650 5170	944.11

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PURCHASE CARD TRANSACTIONS

For the Period 12/1/2023 Through 12/31/2023

DATE	CARD HOLDER	VENDOR NAME	DESCRIPTION	GL	AMOUNT
12/14/2023	TERESA ATKINSON	SP EXPERT BRANDED MERC	EBM PROMO - EXPERT BRANDED MERCH - DISTRICT WELCOME BASKET BOTTLES \$2838.97	51000650 5170	2,838.97
12/14/2023	SHANE SWENSEN	DEQ DW	WATER OPERATORS CERTIFICATION RENEWAL FOR KEVIN RUBOW AND CONOR TYSON	52000650 5170	360.00
12/14/2023	LAINA MCGINTY	SP CALLAWAYAPPARELCO	TAX REFUND FOR 15 YEARS SERVICE AWARD FOR FRANK SMITH	51000650 5170	-1.45
12/14/2023	BRYAN SMITH	AMERICAN WATER WORKS ASSO	ANNUAL AWWA MEMBERSHIP RENEWAL	72000590 5290	263.00
12/14/2023	SHAUN MOSER	HYDROPOINT DATA SYSTEMS I	WEATHERTRAK ANNUAL SUB	62000570 5350	3,231.00
12/14/2023	TIMOTHY RAINBOLT	SMITHS MRKTPL #4495	BRUSCH AWARDS 121323	11000200 2290	75.00
12/15/2023	CASEY CANNON	THE HOME DEPOT 4410	2 QTY: TARPS, CORDLESS ELECTRIC PUMP	75000590 5310	218.96
12/15/2023	LAINA MCGINTY	TST* ORIGINAL PANCAKE HOU	WELLNESS MEETING GATHERING/BREAKFAST	51000650 5130	207.70
12/15/2023	EPIMENIO TRUJILLO	VICTORS TIRES WEST JORDA	# 724 WHEEL ALIGNMENT	81000570 5330	120.00
12/15/2023	JACKIE BUHLER	AMZN MKTP US*0D2IE7PR3	DAYPLANNER COVERS FOR MAINTENANCE	51000650 5220	69.98
12/15/2023	KYLE CHAPMAN	AMZN MKTP US*609VA3H03	FLOOD SWITCH STOCK FOR GROUP	91000570 5310	1,062.60
12/15/2023	EPIMENIO TRUJILLO	AMZN MKTP US*7F1HN68T3	AIR FRESHENERS FOR FLEET VEHICLES	81000570 5330	35.94
12/15/2023	MINDY KEELING	DELTA AIR 0062195230198	FLIGHT FOR STEVE SCHMIDT - AMPP CONFERENCE	80000570 5290	547.80
12/15/2023	TERESA ATKINSON	MAGNACHROME	MAGNA CHROME METAL PRINTS FOR 25-YEAR EMPLOYEES FOR BOARDROOM RECEIPT#119047 \$62.09	60000650 5270	62.09
12/15/2023	DAVID BERATTO	SKY TARPS	TARPS TO COVER PVC PIPE - CRITICAL PARTS	82000570 5380	322.50
12/18/2023	LAINA MCGINTY	AMAZON.COM*Y078489A3	10 YEARS SERVICE AWARD FOR SHAUN MOSER	51000650 5170	139.99
12/18/2023	EPIMENIO TRUJILLO	AMZN MKTP US*E79652GU3	AIR FRESHENERS FOR FLEET VEHICLES	81000570 5330	33.98
12/18/2023	BRYAN SMITH	GORDON BRUSH MFG CO INC	(3).50x4x42, (3)1.50x4x42 TUBE BRUSHES	72072570 5350	93.10
12/18/2023	RODNEY SIMS II	THE HOME DEPOT #4462	AUXILIARY WATER LINE SUPPLIES	91000570 5310	179.73
12/18/2023	DANIEL CLAYPOOL	THE HOME DEPOT #8566	TIMER FOR HEATED SIDEWALK AND MESH FOR VENT PIPE	81000570 5310	65.62
12/18/2023	HAYDEN COZIAR	THE HOME DEPOT #4410	PARTS TO INSTALL SPRINKLER CLOCK IN THE MAINTENANCE BUILDING	83000570 5350	166.22
12/19/2023	LAINA MCGINTY	WORLDATEWORK	WORLD AT WORK TOTAL REWARDS ASSOCIATION	51000650 5290	284.21
12/19/2023	CORY COLLINS	SMITHS MRKTPL #4495	ICE FOR MEETING	62000570 5270	3.08
12/19/2023	TERESA ATKINSON	FIGMA MONTHLY RENEWAL	FIGMA SOFTWARE DEC 18 2023 TO JAN 18 2024 \$48.26	60000650 5270	48.26
12/19/2023	TERESA ATKINSON	CRESTLINE	CRESTLINE - DISTRICT WELCOME BASKET ITEMS RECEIPT \$744.87	51000650 5170	744.87

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PURCHASE CARD TRANSACTIONS

For the Period 12/1/2023 Through 12/31/2023

DATE	CARD HOLDER	VENDOR NAME	DESCRIPTION	GL	AMOUNT
12/19/2023	JACKIE BUHLER	AFFUTAH	DAVES MEMBERSHIP TO FINANCIAL PROFESSIONALS OF UTAH	51000650 5290	100.00
12/19/2023	ALISHA KIMMERLE	AMZN MKTP US*U27073CI3	SERVICE AWARD LUNCHEON FOOD	70000590 5170	23.67
12/20/2023	BEVERLY PARRY	WP*AWRAUTAH.ORG	AWRA CORPORATE SPONSORSHIP	51000650 5170	500.00
12/20/2023	JACKIE BUHLER	EDUI	VIDEO OF 1099 WEBINAR	51000650 5290	179.00
12/20/2023	SHANE SWENSEN	J AND C HOUSE	ENGINEERING DEPARTMENT MORALE LUNCH	52000650 5170	172.89
12/20/2023	LISA KASTELER	SQ *AAA TESTING LLC	CDL DRIVERS TEST FOR DILLIAN ELSBERRY	80000570 5290	225.00
12/20/2023	STEVEN CRAWFORD	TECHLINE MANUFACTURING	BEAM HARDWARE FOR OLD BINGHAM STORAGE STRUCTURE	83000570 5380	441.96
12/20/2023	ALISHA KIMMERLE	WAL-MART #3620	SERVICE AWARD LUNCHEON	70000590 5170	46.40
12/20/2023	MINDY KEELING	IN *RURAL WATER ASSOCIATI	RWAU 2024 CONF. REGISTRATION FOR MAINTENANCE AND OPERATIONS	72000590 5290	360.00
12/20/2023	MINDY KEELING	IN *RURAL WATER ASSOCIATI	RWAU 2024 CONF. REGISTRATION FOR MAINTENANCE AND OPERATIONS	75000590 5290	1,080.00
12/20/2023	MINDY KEELING	IN *RURAL WATER ASSOCIATI	RWAU 2024 CONF. REGISTRATION FOR MAINTENANCE AND OPERATIONS	77000590 5290	750.00
12/20/2023	MINDY KEELING	IN *RURAL WATER ASSOCIATI	RWAU 2024 CONF. REGISTRATION FOR MAINTENANCE AND OPERATIONS	80000570 5290	1,080.00
12/20/2023	TIMOTHY RAINBOLT	SMITHS MRKTPL #4495	KEELING AWARDS 121823	11000200 2290	145.00
12/20/2023	JEFFREY SMALL	THE HOME DEPOT #4421	DRILL BITS AND ANCHORS FOR 15 & 86 FLU VAULT PROJECT	75000570 5380	47.06
12/21/2023	JACKIE BUHLER	GOVERNMENT FINANCE OFFIC	RENEWAL FEES FOR BRIAN MCCLEARY	51000650 5290	150.00
12/21/2023	TIMOTHY RAINBOLT	SMITHS MRKTPL #4495	AMPARO AWARDS 122023	11000200 2290	100.00
12/21/2023	ALISHA KIMMERLE	APPLE SPICE MURRAY	SERVICE AWARD LUNCHEON	70000590 5170	682.28
12/21/2023	STEVEN CRAWFORD	TECHLINE MANUFACTURING	REFUND ON TAX CHARGE	83000570 5380	-29.87
12/21/2023	SHANE SWENSEN	WP*AWRAUTAH.ORG	FIVE REGISTRATIONS FOR AWRA ANNUAL LUNCHEON	52000650 5290	125.00
12/21/2023	BRYAN SMITH	AMAZON.COM*1W1NG76G3	HAZMAT PIG ABSORBERS MAT PADS (200)	72000590 5260	138.00
12/21/2023	JACKIE BUHLER	AMAZON.COM*LR8Y00PI3	POCKET DAY PLANNERS FOR EMPLOYEES	51000650 5220	306.60
12/21/2023	JORDAN TOMSIC	AMZN MKTP US*GG6SD5YI3	BATTERIES FOR THE SMALL UPS IN THE RTU CABINETS	91000570 5310	125.30
12/21/2023	BRYAN SMITH	AMZN MKTP US*PL2EY62O3	(2) LEAF RAKES	72072570 5350	76.78
12/21/2023	BRYAN SMITH	AMZN MKTP US*U19143X43	(2)SUN VISORS FOR OUSTSIDE SCADA ALARM INDICATORS	72072570 5350	33.99
12/21/2023	CORY COLLINS	JERSEY MIKES 42002	BOX LUNCHESES FOR PROGRAMS MEETING	62000570 5270	279.72
12/21/2023	TERESA ATKINSON	DRI*PRINTING SERVICES	CREDIT FOR TAX CHARGED FROM UPRINTING INV#11958287 BOXES FOR EMPLOYEE WELCOME \$944.11 TRANSACTION	60000650 5270	-56.91

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PURCHASE CARD TRANSACTIONS

For the Period 12/1/2023 Through 12/31/2023

DATE	CARD HOLDER	VENDOR NAME	DESCRIPTION	GL	AMOUNT
12/21/2023	JOSHUA SHREWSBURY	COSTCO WHSE#1441	BBQ RIBS FOR TRAINING MEETING	72000590 5290	42.75
12/22/2023	CORY COLLINS	PREMIER CLEANERS	DISTRICT XMAS PARTY TABLECLOTHS CLEANED	51000650 5170	575.00
12/22/2023	JACKIE BUHLER	AMAZON.COM*UU1DZ7EP3	ENDUST WIPES FOR ELECTRONICS	51000650 5220	48.72
12/22/2023	EPIMENIO TRUJILLO	LES SCHWAB TIRES #0515	WHEEL ALIGNMENT FOR VEHICLE # 737	81000570 5330	114.99
12/22/2023	JORDAN TOMSIC	PLATT ELECTRIC 060	90 DEGREE ELBOW FOR THE VEHICLE STORAGE BUILDING AT OLD BINGHAM CAMERAS	91000570 5310	91.14
12/22/2023	TERESA ATKINSON	SLACK T059T8B0VKJ	SLACK- 2740-7650 12-21-23 TO 1-20-24 \$17.50	60000650 5270	17.50
12/22/2023	ALISHA KIMMERLE	AMERICAN WATER WORKS ASSO	AWWA MEMBERSHIP WADE TUFT	70000590 5290	263.00
12/22/2023	JARED BRACE	MILLCREEK CITY PERMITS	EXCAVATION PERMIT - 755 E 3900 S	82000570 5380	300.00
12/22/2023	HAYDEN COZIAR	THE HOME DEPOT #4410	PARTS TO INSTALL THE SPRINKLER CLOCK AT THE MAINTENANCE BUILDING	83000570 5350	72.33
12/26/2023	JORDAN TOMSIC	THE HOME DEPOT #4410	PARTS FOR THE NEW SERCURITY CAMERAS AT OLD BING STORAGE BUILDING	91000570 5310	114.65
12/26/2023	HAYDEN COZIAR	THE HOME DEPOT #4410	NEW REGULATOR FOR TORPEDO HEATER	83000570 5350	24.98
12/26/2023	BRYAN SMITH	EVCO HOUSE OF HOSE	PACL TRANSFER LINE HOSE	72072570 5350	71.18
12/26/2023	YVETTE AMPARO	DREAMSTIME.COM	TRAINING STOCK PHOTOS	51005650 5290	25.00
12/26/2023	TERESA ATKINSON	AMAZON.COM*EB3LW2S73	AMAZON ORDER #112-1236504-4277806 CSSV-TRAINING ACTIVITY BOOK - \$21.73	60000650 5290	21.73
12/26/2023	TERESA ATKINSON	AMZN MKTP US*KT79E3HT3	AMAZON ORDER #112-6993116-0371441 JOSH MCDUGALL - PoE ADAPTER - \$57.50	90000650 5230	57.50
12/26/2023	JACKIE BUHLER	LUCKYS IRON DOOR ROADHOUS	DEPT LUNCH FOR ACCOUNTING	51000650 5170	75.79
12/26/2023	DUSTIN BRUSCH	MARIAS MEXICAN GRILL SOUT	INSTRUMENTATION ANNUAL LUNCH	91000570 5310	180.09
12/26/2023	JEFFREY BETTON	TST* PENNY ANNS CAFE - D	SAFETY & SECURITY COMMITTEE END OF YEAR THANK YOU BREAKFAST / MEETING	51000650 5260	185.00
12/26/2023	DAVID BERATTO	JIMS FAMILY RESTAURANT	PLM RECOGNITION BREAKFAST	80000570 5170	206.46
12/27/2023	DAVID HYDE	AMZN MKTP US*253QC4KV3	INDUCTION FAN AND MOTOR FOR UNIT HEATER VEHICLE STORAGE	81000570 5380	487.83
12/28/2023	KYLE CHAPMAN	AMAZON.COM*IP3VA15J3	FLOOD SWITCH PURCHASE FOR SHOWER ROOM AT ZONE D	91000570 5310	54.74
12/28/2023	DAVID HYDE	AMZN MKTP US*6Y8JH8F73	IGNITOR AND PILOT JET VEHICLE STORAGE HEATERS	81000570 5380	63.96
12/28/2023	DAVID HYDE	AMZN MKTP US*FF0MH84R3	STARTER SWITCH FOR THE HEATERS VEHICLE STORAGE	81000570 5380	121.21
12/28/2023	TROY GARRETT	MARSHALLS INDSTR L HRDWR	LOCTITE RETAINING COMPOUND AND 80 GRIT FLAPPER WHEEL FOR GRINDER	81000570 5360	29.58
12/28/2023	TROY GARRETT	THE HOME DEPOT #4410	PEX FITTINGS AND CLAMPS PVC DRAIN PARTS FOR WASHER AND DRYER EDUCATION BUILDING	81000570 5360	77.12

JORDAN VALLEY WATER CONSERVANCY DISTRICT

PURCHASE CARD TRANSACTIONS

For the Period 12/1/2023 Through 12/31/2023

DATE	CARD HOLDER	VENDOR NAME	DESCRIPTION	GL	AMOUNT
12/29/2023	JACKIE BUHLER	AMZN MKTP US	RETURN OF POCKET CALENDAR	51000650 5220	-8.79
12/29/2023	KYLE CHAPMAN	AMZN MKTP US*OU35C6P13	FLOOD SWITCH POWER SUPPLY PURCHASE FOR SHOWER ROOM AT ZONE D	91000570 5310	26.00
12/29/2023	TERESA ATKINSON	CANVA* I04014-1524578	CANVA 2024 \$359.40	60000650 5270	359.40

TOTAL # OF TRANSACTIONS: 157

REPORT TOTAL: \$37,308.99

CONSERVATION UPDATE



JORDAN VALLEY WATER
CONSERVANCY DISTRICT

Jacob Young
February 14,
2024

Landscape Incentive Program Agreement Process Improvements

Conservation Committee Report



Core Imperatives

- Nurture an Environment of Professional Growth to Develop a Dynamic Workforce
- Forge Collaborative Planning for a Thriving Community
- Enhance Our Resilience to Current Threats
- Foster the Community's Conscious Connection with Water
- Modernize Systems to Optimize Our Services



JORDAN VALLEY WATER
CONSERVANCY DISTRICT

Strategic Plan

ADOPTED JANUARY 2024

Modernize Systems to Optimize Our Services

“...implementing...thoughtful change management to innovate our business processes. Our strategy aims to assure long-term performance, reliability, and cost-effectiveness, ensuring we continue to provide reliable water services for our community...”



2024 Landscape Incentive Program

Optimize and Refine the Agreement Process

- Checkbox terms and conditions provided at the project's outset
- Agreements issued upon successful project completion and final inspection
- Aerial image map (Exhibit A) highlights the project area
- Payment issued after signing the agreement





2024 Landscape Incentive Program

Rational:

- Reducing upfront administrative burden
- Agreements provided only upon project completion
- Aerial imagery for more accurate project area representation

Pre 2024 Agreement (Exhibit A)





2024 Landscape Incentive Program

Rational:

- Reducing upfront administrative burden
- Agreements provided only upon project completion
- Aerial imagery for more accurate project area representation

2024 Agreement (Exhibit A)



Questions?



JORDAN VALLEY WATER
CONSERVANCY DISTRICT

Delivering Quality Every Day[®]

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

January 8, 2024

(Unapproved and subject to change)

A regular meeting of the Conservation Committee of the Board of Trustees of the Jordan Valley Water Conservancy District was held on Monday, January 8, 2024, at 3:00 p.m. at the District office located at 8215 South 1300 West, West Jordan, Utah.

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

Trustees Present:

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

Staff Present:

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

Others Present:

Greg Christensen, Trustee, Kearns Improvement District
Shannon Ellsworth, Rio Tinto

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

Approval of the minutes of the Conservation Committee meeting held October 9, 2023

Ms. Ohrn called for a motion to approve the minutes of the October 9, 2023, Conservation Committee meeting. Ms. Barbara Townsend moved to approve the minutes. Following a second by Mr. Mick Sudbury, the minutes were approved as follows:

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

Public Comments

There were no public comments.

Discuss Member Agency Grant Program applications from South Salt Lake

Mr. Courtney Brown, Conservation Division Manager, said the City of South Salt Lake (City) has submitted two grant proposals. Mr. Brown reviewed how the Member Agency Grant Program is administered and what funds are available to Member Agencies. He shared information on the City’s past participation in the grant program. Their current grant application is for \$32,847 for two projects: a water rate study and purchase of leak detection equipment. The City also submitted a Grant Supplement Application for implementing and enforcing the Water Efficiency Standards including additional staffing, consulting or professional services, supporting software or equipment, and staff training. Because the fiscal year is half way over, they are eligible for \$22,500 in grant funds.

Ms. Ramsey joined the meeting electronically at 3:10 p.m.

Mr. Rushton suggested that the Member Agency Grant Program be reevaluated due to the change in funding availability and interest in water conservation. Mr. Olsen agreed and said that a reevaluation could be considered before the next fiscal year budget. He then provided some background on the current program and how it was intended to encourage programs that are more suited for a retail water supplier. He also noted that the grant funding levels have remained the same since the program started in the early 2000s and this could also be reassessed. Mr. Rushton also suggested reevaluation of the various tier funding levels.

Mr. Gibby said a water rate study should be a standard practice and wondered why the City of South Salt Lake needs conservation money from the District for funding of a study. Mr. Olsen said entities may be concerned with how a rate like this impacts the agency and if they can remain profitable if they adopt aggressive water conservation rates. The current program allows for these types of studies as Tier 2 programs but could be changed in the future.

Mr. Packard said there are two mechanisms associated with reevaluating the conservation programs. One is the upcoming fiscal year budget and another is the upcoming Water Conservation Plan Update that is due in November 2024.

Review of 2023 water conservation program participation

Mr. Brown reviewed a list of the various water conservation programs offered by JVVCD in 2023. He summarized how many of the programs produce quantifiable water savings and that Conservation Garden Park continues to be a vital resource in JVVCD's planning and educational efforts. He said the Landscape Incentive Program offered through the Utah Water Savers absorbed the Flip Your Strip and Localscapes Rewards for Homeowners programs. Mr. Brown provided information regarding the new Landscape Incentive Program and how applications decreased when compared to previous years. Contributing to this may be less water conservation messaging and the rollout of the Utah Water Savers programs which were delayed due to website upgrades. Localscapes Homebuilder Rewards had 96 completed projects and there were 20 commercial, industrial, and institutional participants. Mr. Brown provided a comparison of participation in the Member Agency Grant program between the last fiscal year and the current fiscal year, noting that all of the landscape projects that JVVCD was paying for through this grant program have now been moved to Utah Water Savers. He noted that attendance at Conservation Garden Park is down from the previous year which might have been a result of road closures due to construction on 1300 West. He reported that 51 live classes were taught during 2023 both in person and electronically.

Reporting Items

Mr. Olsen reviewed the reporting items as follows:

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

Adjourn

Ms. Sherrie Ohrn asked for a motion to adjourn the meeting. Mr. Mick Sudbury moved to adjourn. Following a second by Ms. Barbara Townsend, the meeting was adjourned at 3:46 p.m.

Corey L. Rushton, Board Chair

Date

Jacob Young, Deputy General Manager

Date

ENGINEERING ACTIVITIES

JORDAN VALLEY WATER CONSERVANCY DISTRICT

CONSIDER AUTHORIZATION TO AWARD A CONSTRUCTION CONTRACT FOR 2024 DISTRIBUTION PIPELINE REPLACEMENTS – LAKESIDE DRIVE AREA

February 14, 2024

Project: 2024 Distribution Pipeline Replacements – Lakeside Drive Area

Project Number: 4323

Budget: \$400,000 in 2023/2024 Capital Projects Budget and \$1,600,000 in the 10-year Capital Projects Plan.

Cost Sharing: N/A

Bids were received from:

Bidder	Bid Amount
<i>Engineer's Estimate</i>	<i>\$2,330,000 – \$2,730,000</i>
PNL Construction	Non-Responsive *
RDJ Construction	\$1,971,380
Silver Spur Construction	\$2,022,070
Noland and Son Construction	\$2,028,395
BD Bush Excavation	\$2,040,050
Newman Construction	\$2,045,000
Beck Construction	\$2,653,655
Cliff Johnson Excavating	\$3,143,422

* Did not meet minimum experience qualifications

Award of Construction Contract Recommended to: RDJ Construction

Total Authorization Amount (Approval Requested): \$1,971,380

Summary: The pipelines in the Lakeside Drive area are cast iron pipes constructed in the 1950s and 1960s. These pipelines are now experiencing high levels 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.

JORDAN VALLEY WATER CONSERVANCY DISTRICT

**CONSIDER AUTHORIZATION TO AWARD A CONSTRUCTION CONTRACT FOR
SOUTHEAST REGIONAL WATER TREATMENT PLANT ASPHALT REPLACEMENT**

February 14, 2024

Project: SERWTP Asphalt Replacement
Project Number: 4313
Budget: \$140,000 in 2023/2024 Capital Projects Budget
Cost Sharing: N/A

Bids were received from:

Bidder	Bid Amount
<i>Engineer's Estimate</i>	<i>\$145,000 – \$175,000</i>
Miller Paving, Inc.	\$136,827
Morgan Asphalt, Inc.	\$138,087
RC Enterprise Paving and Construction	\$158,429
PNL Construction, Inc.	\$172,867
ACME Construction, Inc.	\$189,692
Wells Barker Construction, Inc.	\$193,784
Lyndon Jones Construction	\$194,852

Award of Construction Contract Recommended to: **Miller Paving, Inc.**

Total Authorization Amount (Approval Requested): **\$136,827**

Summary: 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 to direct water to drains, add a new gutter above the leaking area, and install a new concrete pad at the forklift loading bay.

JORDAN VALLEY WATER CONSERVANCY DISTRICT

**CONSIDER APPROVAL OF GRANT OF EASEMENT TO
QUESTAR GAS COMPANY, DBA DOMINION ENERGY UTAH,
AT 4408 SOUTH 4800 WEST**

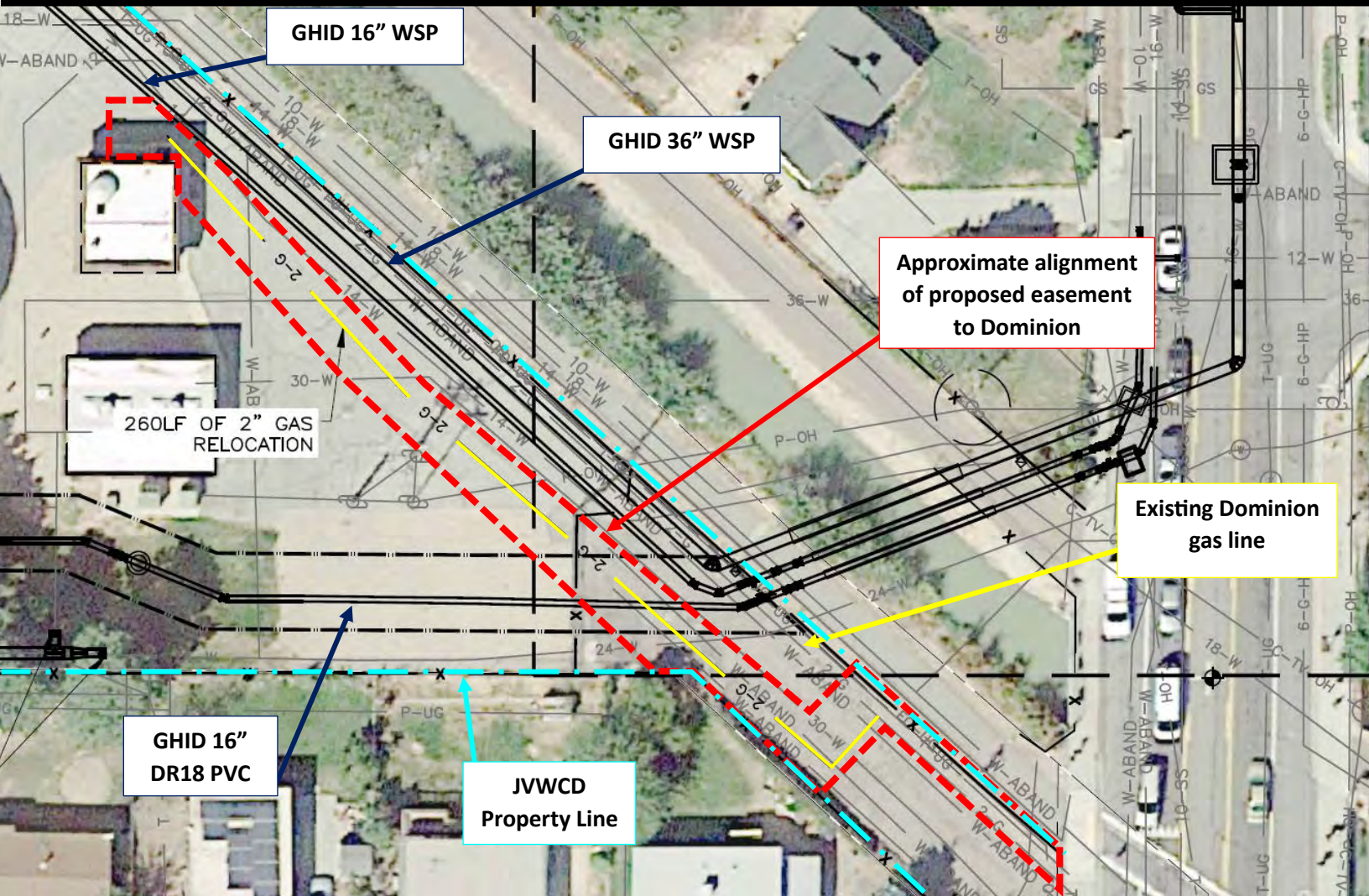
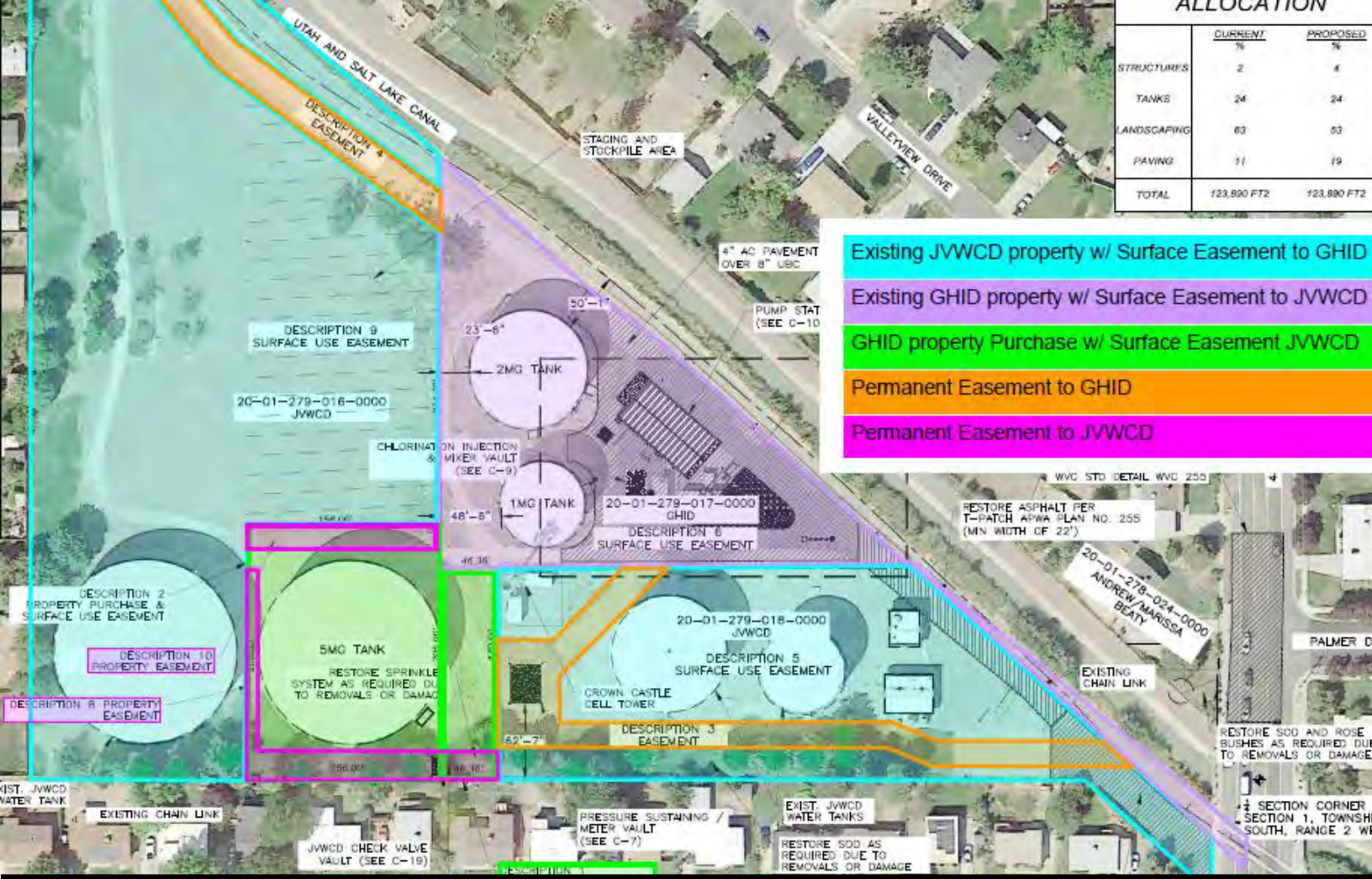
February 14, 2024

Summary: Granger-Hunter Improvement District (“GHID”) is currently completing a construction project on their property, which is within JWCD’s “Tank Farm” reservoir site located at approximately 4408 South 4800 West in West Valley City. Part of GHID’s project includes abandoning an existing Dominion gas line that also feeds JWCD’s facilities. The abandonment requires that Dominion relocate its service line within JWCD’s property to continue to provide service to these facilities. Dominion is requesting a 20-foot easement to install, construct, maintain, and repair their new gas line. The easement is required to provide gas service and would be granted to Dominion at no cost.

Property Owner	Grantee	Acquisition Type		Location
		Acres	Type	
JWCD	Questar Gas Company, dba Dominion Energy Utah	0.14 acres	Easement	4408 S 4800 W West Valley City

Recommendation: **Approve the easement and authorize the General Manager and General Counsel to make necessary revisions to and execute a grant of easement agreement with Questar Gas Company, dba Dominion Energy Utah.**

ALLOCATION		
	CURRENT	PROPOSED
STRUCTURES	2	4
TANKS	24	24
LANDSCAPING	63	53
PAVING	11	19
TOTAL	123,890 FT2	123,890 FT2



REPORTING ITEMS

Reporting Item No. 10.a.
Legislative Update Report

Bill #	Title	Sponsor	Summary	Status
HB 11 S01	Water Efficient Landscaping Amendments	Owens, Doug	Requires new government buildings to limit non-functional turf to 20% of landscaped area	Senate 3rd Circled
HB 13	Infrastructure Financing Districts	Dunnigan	Creates new district to pay cost of infrastructure installation	House 3rd Circled
HB 35	Metro Township Modifications	Teuscher	Forces metro townships to become municipalities	Senate Gov Ops Comm
HB 42	Water Rights Publication Amendments	Briscoe	Allow electronic confirmation of notice of water rights application publication	PASSED
HB 61	Water Measurement and Accounting Amendments	Albrecht	Recognizes State Engineer authority over telemetry and water distribution accounting	Senate 3rd Circled
HB 62 S01	Utah Water Ways Amendments	Owens, Doug	Directs Utah Water Ways to create school curriculum program. 1st Sub Prohibits inclusion of human caused climate change in curriculum	Senate Educ Comm
HB 65 S01	Active Transportation and Canal Trail Amendments	Lesser	Encourages use of canal roads for public trails	House Nat Res Comm held
HB 275 S01	Water Amendments	Snider	Appears to slightly enlarge pool of entities who can receive funds for secondary water metering. 1st Sub also says HOA can't require a homeowner to keep lawn in any area of a lot	
HB 280 S01	Water Related Changes	Snider	Water Development Coordinating Council to prioritize water projects requesting state funding. Funding mechanism to be studied (may be an end user fee or a tax).	House Nat Res Comm Held
HB 295	Produced Water Amendments	Lund	Requires water produced through oil and gas activity to be handled in a manner that protects surface water and fresh water resources. Amendment suggested so that transferees responsible to act in same way as the producer - but no traction	Senate Comm
HB 306	Residential Housing Amendments	Ward	Prohibits collection if impact fees on "starter" homes. Amend to allow for collection of impact fee for water facilities. 1st Sub proposed that would remove impact fee waiver.	House Pol Sub Comm
HB 354	Truth in Taxation Revisions	Clancy	Would condition any increase in taxes above certified rate on holding a vote in a general or special election through the end of the FY 27 budget (June 30, 2027)	House Rev and Tax
HB 401	Water Usage Amendments	Owens, Doug	Makes use of water on lawns in GSL basin an infraction between Oct 1 and April 30	
HB 448	State Water Program Reporting Requirements	Ward	Requires Water Resources to annually report on what happens to water projects funded through the state	
HB 472	Water Revisions	King	This bill would require investigation into a comprehensive state database that could aggregate water use reporting data from various sources	

Bill #	Title	Sponsor	Summary	Status
SB 17	Safe Drinking Water Amendments	Sandall	Extends repeal date for Safe Drinking Water Act to July 2029	House 3rd
SB 18	Water Modifications	Sandall	Addresses changes to definition and treatment of saved water. 1st Sub Pending lowering match for some ag optimization funds	Senate 2d

SB 77	Water Rights Restricted Accounts Amendments	Sandall	Adds uses to Water Rights ability to use its funds	Senate 2d
SB 118 S01	Water Efficiency Amendments	McKell	Establishes a developer incentive fund (with the same provisions as landsape incentive program) to pay developers to install new water efficient landscaping. Amend to provide funding to more than the developer and for backyards	Senate 2d
SB 196	Great Salt Lake Amendments	Blouin	Would direct GSL Commissioner to adopt plan on how to get more water to GSL in wet water years	
SB 203	Drinking Water Amendments	Sandall	Imposes fee on public water systems to fund Division of Drinking Water	

JORDAN VALLEY WATER CONSERVANCY DISTRICT

CENTRAL UTAH PROJECT/CUWCD ACTIVITIES REPORT

February 14, 2024

The Central Utah Water Conservancy District (CUWCD) Board of Trustees held its monthly meeting on January 31, 2024.

General Items of Note:

- Paul Christensen was introduced as the new CUPCA Area Manager replacing Reed Murray who recently retired.

Engineering & Operations Committee

- The Board of Trustees approved Amendment No. 1 to the Engineering Services Agreement with Bio-West, Inc. for Phase 2 of the Lower Provo River Aeration Project in the amount of \$392,468 that will all be reimbursed by the Mitigation Commission. This is part of the Lower Provo River Delta Restoration Project which is currently under construction to restore habitat conditions needed to support the June Sucker. As part of the project, a new diversion structure is being built to split the river's flow between the newly constructed delta and the existing lower portion of the river. This aeration project will allow for management of dissolved oxygen levels in the lower Provo River which can drop below the lethal limit for many aquatic species resulting in fish kills and odor problems.

JORDAN VALLEY WATER CONSERVANCY DISTRICT

**REPORT ON EASEMENT ENCROACHMENT AGREEMENTS
SIGNED BY THE GENERAL MANAGER**

February 14, 2024

Encroachment Agreement **10200 South Pipeline Easements**

Easement Number: 3623400

Encroachment Location: Vicinity of 10200 South & Walnut Canyon Lane, South Jordan

Encroachment Party: Google Fiber Utah

Encroachment Type: Two (2) two-inch (2") HDPE conduits for fiber

Summary: This encroachment agreement allowed Google to install, construct, and maintain HDPE conduits for fiber within JWCD's 10200 South Easement.

Encroachment Agreement **Central Pipeline Easement**

Easement Number: 3860-11E, 3860-10E

Encroachment Location: Along 4400 West (White Cliff Drive), between 2700 North and 2100 North in Lehi

Encroachment Party: Lehi City

Encroachment Type: Roadway, curb, gutter, sidewalk, landscaping, irrigation, one (1) four-inch (4") conduit for power

Summary: This encroachment agreement allowed Lehi City to construct, install, operate, and maintain various encroachments within JWCD's Central Pipeline Easement related to the Holbrook Backbone Phase 2 development taking place in the area.



JORDAN VALLEY WATER
CONSERVANCY DISTRICT

ATTRIBUTES FOR AN EFFECTIVELY MANAGED DISTRICT

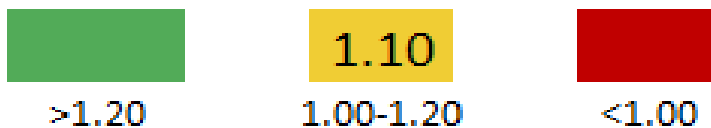
December 2023 Performance Indicators

-  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)
-  8. Community Sustainability (Sustainability, Engagement, Collaboration)

Performance Measures Watchlist

7. Water Resource Sustainability

- Short-term water supply adequacy



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



JORDAN VALLEY WATER
CONSERVANCY DISTRICT

ATTRIBUTES FOR AN EFFECTIVELY MANAGED DISTRICT

December 2023 Performance Indicators

1. Product Quality

- Drinking water compliance rate
- Perceived/aesthetic water quality

2. Water Resource Adequacy

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

3. Customer Satisfaction

- Customer Response System

4. Infrastructure Stability

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

5. Long-term Financial Viability

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

6. Employee & Leadership Development

- Employee Training Hours (12-month rolling average)

7. Operational Resiliency

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

8. Operational Optimization

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

9. Community Sustainability

- Centralized conjunctive management of groundwater and surface water

10. Stakeholder Understanding & Support

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

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

CAPITAL PROJECTS
JANUARY 2024

Final Project Completion Report

Project Name and Number: **Zone "D" Reservoir Erosion Control Plan, #4204**

Description: The Zone “D” reservoir has experienced erosion damage caused by storm water accumulating on top of the reservoir and creating ruts as it flows down the slopes of the reservoir. This results in the protective cobble and underlying soil to wash down the slopes, plug the drainpipes, and create issues with the roadways, electrical boxes, and vaults on the site. This project solved these issues by installing water lines to direct water from the reservoir roof deck to four new drainpipes and conveying the water to the on-site storm water conveyance system. Work included modifications to electrical boxes to prevent damage to electrical equipment in the boxes and the vaults.

District Project Manager: Conor Tyson

Engineer: Hansen, Allen & Luce, Inc.	Design Status: 100%
Original Engineering Contract Amount:	\$19,100
Final Engineering Contract Amount:	\$19,100

Contractor: Tribal Construction	Construction Status: 100%
Original construction contract amount:	\$92,127
Total Change Order amount:	\$22,128
Final construction contract amount:	\$114,255
Total change orders as a percentage of original contract:	24.0%
Completion Schedule:	
Notice to Proceed:	8/18/2023
Final Completion:	1/16/2024

Summary of Change Orders:		
	Description	Amount
1	Install New rock on top of pipes	\$23,125
2	Credit for unused rock	-\$997
	Total Change Order Amount:	\$22,128

Final Project Completion Report



Electrical Box raised to prevent flooding inside



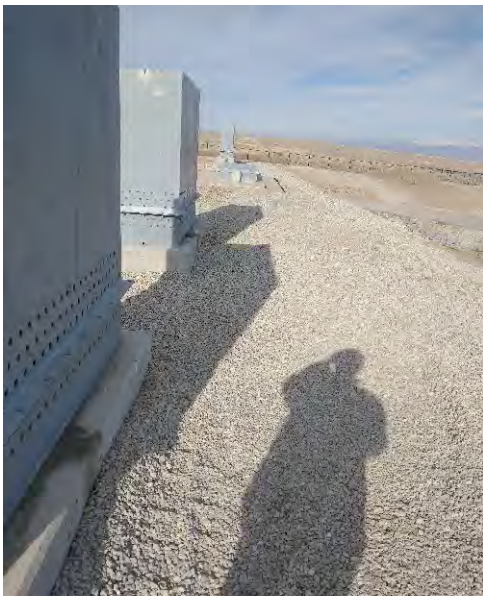
Riprap placed in channel around reservoir



Trench on top of reservoir for new piping



New drainage piping, wrapped in fabric, with new gravel on top



New gravel on top of new piping



Drainage pipe at bottom corner with new riprap

JORDAN VALLEY WATER CONSERVANCY DISTRICT

CAPITAL PROJECTS REPORT

December 14, 2023 - January 11, 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:	\$16,980,961

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:	\$2,769,845
Water Supply Purchases:	\$145,150
Remaining Balance:	\$2,624,695

JORDAN VALLEY WATER CONSERVANCY DISTRICT
 CAPITAL PROJECTS REPORT
 December 14, 2023 - January 11, 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: 1%	
<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: 1%	
	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: The contractor is procuring the payment and performance bonds. Once these documents are provided, a contract will be signed, and a Notice to Proceed issued.

JORDAN VALLEY WATER CONSERVANCY DISTRICT
CAPITAL PROJECTS REPORT
 December 14, 2023 - January 11, 2024

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

Project Description: JWCD 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 and Associates, Inc.	Original engineering contract amount:	\$58,400
	Design Status: 100%	
	Construction Management Status: 0%	
<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: 0%	
	Substantial Completion Date: n/a	
<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>
• Coupling prepurchase for vault project.	Ferguson Enterprises, LLC.	\$18,920

Current Status: The construction contract was awarded to Beck Construction & Excavation at the January Board meeting. District staff are preparing the required documentation to begin the project.

JORDAN VALLEY WATER CONSERVANCY DISTRICT
 CAPITAL PROJECTS REPORT
 December 14, 2023 - January 11, 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, Inc.	Original engineering contract amount:	\$65,029
	Design Status: 100%	
	Construction Management Status: 2%	
<u>Additional services authorized since last report:</u>		
• n/a		
Current contract amount:		\$65,029

Contractor: Widdison Well Services	Original construction contract amount:	\$544,966
	Construction Status: 2%	
	Substantial Completion Date: 9/10/2024	
<u>Change orders approved since last report:</u>		
• n/a		
Current construction contract amount:		\$544,966
Total change orders as a percentage of original contract:		0%

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

Current Status: The Notice to Proceed was issued for the project. Preconstruction meeting is being scheduled to review project details with the contractor.

JORDAN VALLEY WATER CONSERVANCY DISTRICT
CAPITAL PROJECTS REPORT
 December 14, 2023 - January 11, 2024

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

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

District Project Manager: Kevin Rubow

Engineer: Bowen, Collins & Associates, Inc.	Original engineering contract amount:	\$2,808,146
	Design Status: 10%	
	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 collected the preliminary utility data for the aqueduct alignment and is evaluating bore-hole locations for the geotechnical investigation. This data will be used to identify pot-hole locations for utilities that cross the proposed alignment and to evaluate the subsurface soil characteristics.

JORDAN VALLEY WATER CONSERVANCY DISTRICT
 CAPITAL PROJECTS REPORT
 December 14, 2023 - January 11, 2024

Project Name and Number: JWTP Elevator Modernization, #4312

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

District Project Manager: Marcelo Anglade

Electrical Engineer: VDA, Inc.	Original engineering contract amount:	\$15,060
	Design Status: 100%	
	Construction Management Status: 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.

JORDAN VALLEY WATER CONSERVANCY DISTRICT
 CAPITAL PROJECTS REPORT
 December 14, 2023 - January 11, 2024

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

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

District Project Manager: Kevin Rubow

Engineer: AE2S	Original engineering contract amount:	\$611,000
	Design Status: 20%	
	Construction Management Status: 0%	
<u>Additional services authorized since last report:</u>		
<ul style="list-style-type: none"> • 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>		
<ul style="list-style-type: none"> • n/a 		
Current construction contract amount:		
Total change orders as a percentage of original contract:		

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

Current Status: The consultant is preparing the preliminary design report based on their evaluation of the existing emergency power generation equipment within the system and developing cost estimates based on the necessary generator sizes. This information will be used to provide recommendations on the facilities to include in this project.

JORDAN VALLEY WATER CONSERVANCY DISTRICT
CAPITAL PROJECTS REPORT
 December 14, 2023 - January 11, 2024

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

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

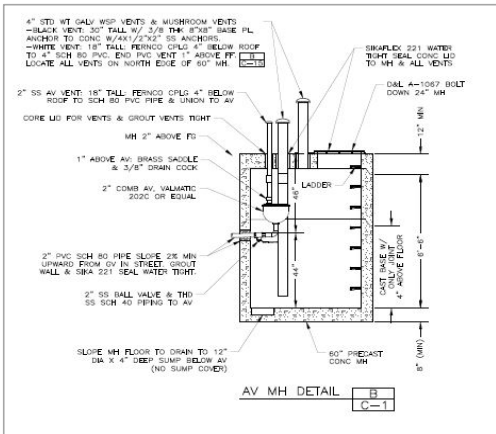
District Project Manager: Conor Tyson

Engineer: Hansen, Allen & Luce, Inc.	Original engineering contract amount: \$481,972
	Design Status: 62% Construction Management Status: 0%
Additional services authorized since last report: <ul style="list-style-type: none"> • n/a 	
Current contract amount:	\$481,972

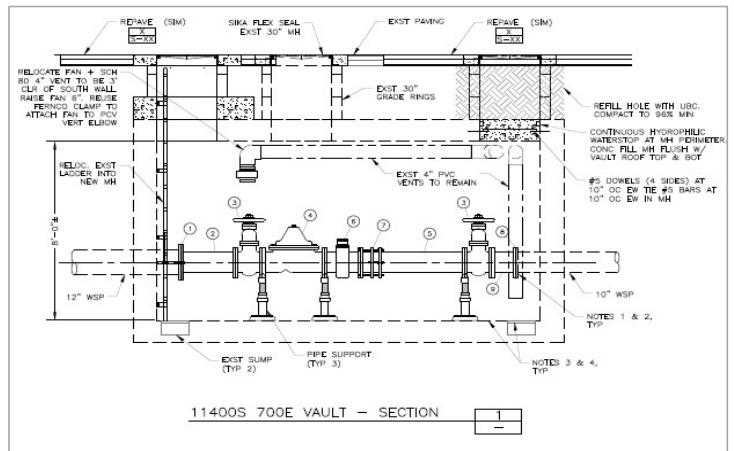
Contractor: n/a	Original construction contract amount:
	Construction Status: 0% Substantial Completion Date: n/a
Change orders approved since last report: <ul style="list-style-type: none"> • n/a 	
Current construction contract amount:	\$0
Total change orders as a percentage of original contract:	

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

Current Status: District staff is reviewing 60% drawings and providing feedback. The consultant is preparing 90% drawings for a February review.



60% drawing of air vac vaults at two locations near 4500 South Pipeline



60% drawing of 11400 South 700 East Vault

JORDAN VALLEY WATER CONSERVANCY DISTRICT
 CAPITAL PROJECTS REPORT
 December 14, 2023 - January 11, 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 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: 18%	
<u>Additional services authorized since last report:</u>		
<ul style="list-style-type: none"> • n/a 		
Current contract amount:		\$55,842

Contractor: Corrio Construction	Original construction contract amount:	\$737,043
	Construction Status: 18%	
	Substantial Completion Date: 2/15/2024	
<u>Change orders approved since last report:</u>		
<ul style="list-style-type: none"> • n/a 		
Current construction contract amount:		\$737,043
Total change orders as a percentage of original contract:		0%

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

Current Status: Met with contractor to discuss schedule. Contractor is hoping to receive equipment in February and to perform construction in March.
--

JORDAN VALLEY WATER CONSERVANCY DISTRICT
CAPITAL PROJECTS REPORT
 December 14, 2023 - January 11, 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: 55%	
<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: 55%	
	Substantial Completion Date: 2/16/2024	
<u>Change orders approved since last report:</u>		
• Abandoned 16-inch valve.		\$3,235
• Utility conflicts.		\$38,131
Current construction contract amount:		\$1,623,366
Total change orders as a percentage of original contract:		3%

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

Current Status: The contractor continues to install the AC mitigation equipment within the unimproved areas along 10200 South between 5700 West and Mountain View Corridor. The work along 10200 South between Dunsinane Avenue and 4600 West is complete.

JORDAN VALLEY WATER CONSERVANCY DISTRICT
 CAPITAL PROJECTS REPORT
 December 14, 2023 - January 11, 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: 18%	
<u>Additional services authorized since last report:</u>		
<ul style="list-style-type: none"> • n/a 		
Current contract amount:		\$394,000

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

Current Status: The project team are preparing for the second round of workshops to further define the CIP process. JVVCD staff have been meeting with several Member Agencies to discuss future water needs and develop demand projections on lands that will soon be developed.

JORDAN VALLEY WATER CONSERVANCY DISTRICT
CAPITAL PROJECTS REPORT
 December 14, 2023 - January 11, 2024

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

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

District Project Manager: Conor Tyson

Engineer: Hansen, Allen & Luce, Inc.	Original engineering contract amount:	\$13,600
	Design Status: 100%	
	Construction Management Status: 78%	
<u>Additional services authorized since last report:</u>		
• n/a		
Current contract amount:		\$13,600

Contractor: Widdison Well Services, LLC	Original construction contract amount:	\$289,700
	Construction Status: 78%	
	Substantial Completion Date: 12/27/2023	
<u>Change orders approved since last report:</u>		
• n/a		
Current construction contract amount:		\$436,939
Total change orders as a percentage of original contract:		51%

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

Current Status: Development work is complete. New pump shaft and column have arrived. Waiting for new pump to arrive for final installation.
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JORDAN VALLEY WATER CONSERVANCY DISTRICT
 CAPITAL PROJECTS REPORT
 December 14, 2023 - January 11, 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>		
• SLCC Blowoff Modifications.		\$3,976
Current construction contract amount:		\$897,476
Total change orders as a percentage of original contract:		0%

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

Current Status: The contractor has completed work at four sites and is wrapping up work on the vault at 1175 West. The contractor will complete the last vault at Gordon Lane in the spring to allow for paving.



New blowoff at
4500 South Redwood Road

JORDAN VALLEY WATER CONSERVANCY DISTRICT
CAPITAL PROJECTS REPORT
 December 14, 2023 - January 11, 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, the District is pursuing an expansion of JWVTP from its current 180 MGD capacity to an ultimate capacity of 255 MGD. This project will design required improvements for upgrades to the filters and chemical feed systems to support a 255 MGD capacity. The 20-year-old filter media will be replaced with new media installed to a deeper depth to accommodate the increased flows. Other tasks for this project include evaluation of and upgrades to the chemical feed systems, predesign evaluation of ozone and potential implementation, and evaluation of alternatives for backwash tank redundancy and potential implementation.

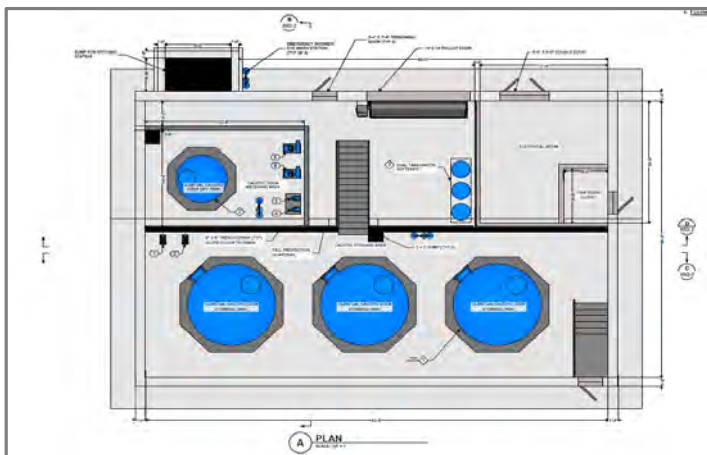
District Project Manager: David McLean

Engineer: Carollo Engineers	Original engineering contract amount:	\$6,224,100
	Design Status: 45%	
	Construction Management Status: 0%	
<u>Additional services authorized since last report:</u>		
• n/a		
Current contract amount:		\$6,224,100

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

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

Current Status: The District met with the Division of Drinking Water regarding each of the JWVTP expansion projects. The Division is highly supportive of the project and providing ongoing support. Locations of the chlorine and caustic building have been finalized along 3200 West Street. Internal building floor plans are being solidified.



Plan view of proposed caustic building
(for treated water pH adjustment)

JORDAN VALLEY WATER CONSERVANCY DISTRICT
 CAPITAL PROJECTS REPORT
 December 14, 2023 - January 11, 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 reinstallation of the pump and motor to place the well back into service.

District Project Manager: Conor Tyson

Engineer: Hansen, Allen & Luce, Inc.	Original engineering contract amount:	\$17,600
	Design Status: 100%	
	Construction Management Status: 30%	
<u>Additional services authorized since last report:</u>		
• Additional Construction Management.		\$20,000
Current contract amount:		\$42,000

Contractor: Rhino Pumps, LLC	Original construction contract amount:	\$139,001
	Construction Status: 30%	
	Substantial Completion Date: 3/27/2024	
<u>Change orders approved since last report:</u>		
• 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: Contractor is planning to mobilize soon to begin the next stage of the project. Once mobilized, work should progress steadily towards completion.

JORDAN VALLEY WATER CONSERVANCY DISTRICT
CAPITAL PROJECTS REPORT
 December 14, 2023 - January 11, 2024

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

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

District Project Manager: David McLean

Engineer: CRS Engineers	Original engineering contract amount:	\$30,900
	Design Status: 100%	
	Construction Management Status: 99%	
<u>Additional services authorized since last report:</u>		
• n/a		
Current contract amount:		\$38,400

Contractor: Nickerson Company	Original construction contract amount:	\$393,609
	Construction Status: 99%	
	Substantial Completion Date: 1/4/2024	
<u>Change orders approved since last report:</u>		
• n/a		
Current construction contract amount:		\$515,731
Total change orders as a percentage of original contract:		31%

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

Current Status: Successful start-up of Deep Well 7 occurred on January 4, 2024. This milestone substantially completes this project. Project final completion is awaiting completion of punch-list items. The well has been operating according to specifications and is producing low turbidity-high sulfate water from the contamination plume. The extra water is increasing the production of the SWGWTP.



Clean water after 8 hours of pump to waste development



Pump to waste disposal to Utah and Salt Lake Canal



Contractor personnel completing final adjustments prior to start up

JORDAN VALLEY WATER CONSERVANCY DISTRICT
 CAPITAL PROJECTS REPORT
 December 14, 2023 - January 11, 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. These wells will provide valuable supply and redundancy for future demands.

District Project Manager: Travis Christensen

Engineer: Bowen, Collins & Associates, Inc.	Original engineering contract amount:	\$992,889
	Design Status: 30%	
	Construction Management Status: 0%	
<u>Additional services authorized since last report:</u>		
• n/a		
Current contract amount:		\$992,889

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

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

Current Status: The consultant is preparing layout drawings to be presented to Holladay City to begin the conditional use application process.
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JORDAN VALLEY WATER CONSERVANCY DISTRICT
CAPITAL PROJECTS REPORT
 December 14, 2023 - January 11, 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. Design of this project will require approximately 12-18 months. An application for a FEMA grant to support the project in mitigating multiple hazards has been submitted.

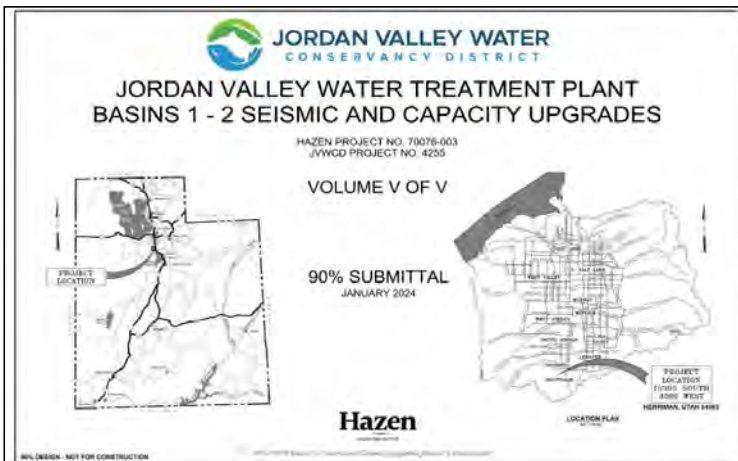
District Project Manager: David McLean

Engineer: Hazen and Sawyer	Original engineering contract amount:	\$3,793,948
	Design Status: 90%	
	Construction Management Status: 0%	
<u>Additional services authorized since last report:</u>		
• n/a		
Current contract amount:		\$4,029,046

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

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

Current Status: The engineering consultant has delivered the 90% design review drawings. These drawings include process, structural, and electrical designs for the Basins 1-2 Sedimentation Building and the new sludge pump station. The District is re-submitting for BRIC funding.



90% design drawings

JORDAN VALLEY WATER CONSERVANCY DISTRICT
CAPITAL PROJECTS REPORT
 December 14, 2023 - January 11, 2024

Project Name and Number: JWTP High-rise Boilers Replacement Project, #4279

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

District Project Manager: Marcelo Anglade

Engineer: Heath Engineering	Original engineering contract amount:	\$5,000
	Design Status: 100%	
	Construction Management Status: 99%	
<u>Additional services authorized since last report:</u>		
• n/a		
Current contract amount:		\$19,000

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

Contractor: K.O.H. Mechanical Contractors, Inc.	Original construction contract amount:	\$608,000
	Construction Status: 99%	
	Substantial Completion Date: 1/30/2024	
<u>Change orders approved since last report:</u>		
• n/a		
Current construction contract amount:		\$628,301
Total change orders as a percentage of original contract:		3%

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

Current Status: The new boilers and appurtenances have been installed. Contractor is finishing the controls, new exhaust flue, and rerouting of the air intake. Contractor is scheduling training.

JORDAN VALLEY WATER CONSERVANCY DISTRICT
CAPITAL PROJECTS REPORT
 December 14, 2023 - January 11, 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. The District received a USBR WaterSmart Drought Resiliency Project grant for this project which will reimburse approximately 50% of the total costs for this project. This project was selected to receive up to \$3,200,000 in federal funding, which is being administered by the Bureau of Reclamation.

District Project Manager: Kevin Rubow

Engineer: Hansen, Allen & Luce, Inc.	Original engineering contract amount:	\$579,351
	Design Status: 87%	
	Construction Management Status: 0%	
<u>Additional services authorized since last report:</u>		
• n/a		
Current contract amount:		\$800,679

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

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

Current Status: The consultant is preparing the 90% design submittal for District staff to review and is preparing the final site plan to submit to the city for their review.

JORDAN VALLEY WATER CONSERVANCY DISTRICT
 CAPITAL PROJECTS REPORT
 December 14, 2023 - January 11, 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 reservoir will provide additional storage for the growing demands within pressure Zone C serving Herriman, Riverton, South Jordan, and West Jordan.

District Project Manager: Kevin Rubow

Engineer: Jacobs	Original engineering contract amount:	\$1,597,529
	Design Status: 92%	
	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: District staff provided comments on the 90% design to the consultant. Documentation is being prepared to submit the conditional use application to South Jordan City and plan review to the Division of Drinking Water.

JORDAN VALLEY WATER CONSERVANCY DISTRICT
CAPITAL PROJECTS REPORT
 December 14, 2023 - January 11, 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 recoating to maintain their integrity. Inspections indicate that the existing coatings have performed well but are now in need of replacement. This project will replace the coating systems and make other minor modifications such as new access ladders and larger access ports.

District Project Manager: Marcelo Anglade

Engineer: Infinity Corrosion Group	Original engineering contract amount:	\$272,960
	Design Status: 100%	
	Construction Management Status: 40%	
<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: 40%	
	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: Contractor has completed the exterior primer application of the 8-MG and 2-MG Reservoirs at 6200 South 3200 West. They are now applying primer on the interior of the 8-MG Reservoir.



6-MG Reservoir Interior
Sandblasting



2-MG Reservoir Exterior Prime Coat



2-MG Reservoir Lid Prime Coat

JORDAN VALLEY WATER CONSERVANCY DISTRICT
CAPITAL PROJECTS REPORT
 December 14, 2023 - January 11, 2024

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

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

District Project Manager: Conor Tyson

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

Engineer: JVVCD Staff	Original engineering contract amount:	n/a
	Design Status: 100%	
	Construction Management Status: 40%	
<u>Additional services authorized since last report:</u>		
• n/a		
Current contract amount:		

Contractor: Rolfe Construction, Inc.	Original construction contract amount:	\$1,899,800
	Construction Status: 40%	
	Substantial Completion Date: 5/11/2024	
<u>Change orders approved since last report:</u>		
• n/a		
Current construction contract amount:		\$1,899,800
Total change orders as a percentage of original contract:		0%

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

Current Status: Contractor has received the final parts needed for the project. Construction scheduled to recommence in February.

JORDAN VALLEY WATER CONSERVANCY DISTRICT
 CAPITAL PROJECTS REPORT
 December 14, 2023 - January 11, 2024

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

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

District Project Manager: Marcelo Anglade

Engineer: Heath Engineering	Original engineering contract amount:	\$25,350
	Design Status: 100%	
	Construction Management Status: 99%	
<u>Additional services authorized since last report:</u>		
• New Boiler Selection.		\$3,500
• HVAC Controls at SERWTP.		\$4,800
Current contract amount:		\$33,650

Contractor: K.O.H.Controls, Inc.	Original construction contract amount:	\$206,000
	Construction Status: 99%	
	Substantial Completion Date: 3/31/2024	
<u>Change orders approved since last report:</u>		
• n/a		
Current construction contract amount:		\$220,612
Total change orders as a percentage of original contract:		7%

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

Current Status: The contractor is working on the controls and communications between the treatment plant and headquarters. Contractor is scheduling training and preparing the closing documents.

JORDAN VALLEY WATER CONSERVANCY DISTRICT
 CAPITAL PROJECTS REPORT
 December 14, 2023 - January 11, 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, Inc.	Original engineering contract amount:	\$194,494
	Design Status: 100%	
	Construction Management Status: 85%	
<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: 85%	
	Substantial Completion Date: 1/22/2024	
<u>Change orders approved since last report:</u>		
• n/a		
Current construction contract amount:		\$1,721,140
Total change orders as a percentage of original contract:		6%

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

Current Status: The contractor completed the development work at 2129 East Murray Holladay well and is mobilizing equipment to the site to perform the pump test. The work at the 7618 South 700 East, 987 East 7800 South, 8300 South Etienne sites are complete.

JORDAN VALLEY WATER CONSERVANCY DISTRICT
CAPITAL PROJECTS REPORT
 December 14, 2023 - January 11, 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, Inc.	Original engineering contract amount:	\$940,526
	Design Status: 100%	
	Construction Management Status: 18%	
<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: 18%	
	Substantial Completion Date: 5/1/2025	
<u>Change orders approved since last report:</u>		
• n/a		
Current construction contract amount:		\$15,522,920
Total change orders as a percentage of original contract:		0%

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

Current Status: The contractor has poured 25% of the floor slab and column supports. They have also completed the west wall and a portion of the north wall. The contractor is placing scaffolding and forms to begin construction of the west side roof.



Current progress of the reservoir construction. Inlet piping is being installed, in the background concrete walls can be seen along with the scaffolding for the roof

JORDAN VALLEY WATER CONSERVANCY DISTRICT
CAPITAL PROJECTS REPORT
 December 14, 2023 - January 11, 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: 90%	
<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: 90%	
	Substantial Completion Date: 4/1/2024	
<u>Change orders approved since last report:</u>		
• 36&102 Storm Drainage Basin Modifications.		\$29,979
Current construction contract amount:		\$10,608,122
Total change orders as a percentage of original contract:		1.6%

<u>Other Approvals since last report</u>	<u>Vendor</u>	<u>Amount</u>
• Security and Access Control Equipment.	Utah Yamas Controls	\$39,561

Current Status: The Contractor has received the long-lead time electrical equipment and is finalizing the electrical installation. The on-site generator has arrived and is being connected to the pump station.



Installation of electrical equipment
at 36 & 102 Pump Station



Current exterior progress of the new
pump station

JORDAN VALLEY WATER CONSERVANCY DISTRICT
CAPITAL PROJECTS REPORT
 December 14, 2023 - January 11, 2024

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

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

District Project Manager: Travis Christensen

Engineer: Bowen, Collins & Associates, Inc.	Original engineering contract amount:	\$1,045,245
	Study/Inspection Status: 99%	
	Construction Management Status: 100%	
<u>Additional services authorized since last report:</u>		
• n/a		
Current contract amount:		\$1,498,448

Contractor: Vancon	Original construction contract amount:	\$435,000
	Construction Status: 100%	
	Substantial Completion Date: 3/31/2021	
<u>Change orders approved since last report:</u>		
• n/a		
Current construction contract amount:		\$435,000
Total change orders as a percentage of original contract:		0%

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

Current Status: The consultant is delivering the final draft of the condition assessment at the end of January for final review by JVVCD staff.

JORDAN VALLEY WATER CONSERVANCY DISTRICT
CAPITAL PROJECTS REPORT
 December 14, 2023 - January 11, 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, Inc.	Original engineering contract amount:	\$388,773
	Design Status: 100%	
	Construction Management Status: 98%	
<u>Additional services authorized since last report:</u>		
• n/a		
Current contract amount:		\$819,853

Contractor: B.D. Bush Excavation	Original construction contract amount:	\$2,989,090
	Construction Status: 98%	
	Substantial Completion Date: 11/22/2023	
<u>Change orders approved since last report:</u>		
• n/a		
Current construction contract amount:		\$3,043,140
Total change orders as a percentage of original contract:		2%

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

Current Status: Phase 1 of the 3300 South pipeline replacement project is substantially complete. The contractor is addressing punch list items to finish the project. Some of the punch list items will be required to be completed in the spring of 2024 because of the UDOT winter roadway moratorium.

JORDAN VALLEY WATER CONSERVANCY DISTRICT
CAPITAL PROJECTS REPORT
 December 14, 2023 - January 11, 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, Inc.	Original engineering contract amount:	Incl. w/ Phase 1
	Design Status: 100%	
	Construction Management Status: 75%	
<u>Additional services authorized since last report:</u>		
• n/a		
Current contract amount:		Incl. w/ Phase 1

Schedule A Contractor: VanCon, Inc.	Original construction contract amount:	\$1,765,300
	Construction Status: 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: 65%	
	Substantial Completion Date: 11/15/2023	
<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 new pipeline along 3300 South between 500 West to State Street has passed the required testing and been placed into service. Service laterals and fire line connections between 300 West to State Street will be connected to the new pipeline in the spring. Schedule A of this project is complete.

JORDAN VALLEY WATER CONSERVANCY DISTRICT
 CAPITAL PROJECTS REPORT
 December 14, 2023 - January 11, 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, Inc.	Original engineering contract amount:	\$198,872
	Design Status: 100%	
	Construction Management Status: 90%	
<u>Additional services authorized since last report:</u>		
• n/a		
Current contract amount:		\$510,322

Contractor: Corrio Construction, Inc.	Original construction contract amount:	\$1,645,588
	Construction Status: 90%	
	Substantial Completion Date: 2/07/2024	
<u>Change orders approved since last report:</u>		
• 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: Contractor halted work during proposed design changes which have now been approved. Contractor is remobilize to finish the project.

JORDAN VALLEY WATER CONSERVANCY DISTRICT
 CAPITAL PROJECTS REPORT
 December 14, 2023 - January 11, 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. The District is heading up a stakeholder group consisting of local municipalities, sewer, and water districts to identify potential reuse projects.

District Project Manager: Jacob Young

Engineer: Bowen, Collins & Associates, Inc.	Original engineering contract amount:	\$27,796
	Design Status: 90%	
<u>Additional services authorized since last report:</u>		
<ul style="list-style-type: none"> • n/a 		
Current contract amount:		\$27,796

<u>Other Approvals since last report</u>	<u>Vendor</u>	<u>Amount</u>
<ul style="list-style-type: none"> • 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
 December 14, 2023 - January 11, 2024

Normal Capital Improvements
 Various small miscellaneous improvements.

<u>Fund Approvals since last report</u>	<u>Vendor</u>	<u>Amount</u>
Project Name and Number: • Rehabilitation of protective coatings	Distribution Vaults Group 1, #4115, Keenan Robertson Houston Painting	\$47,275
Project Name and Number: • LCRR survey mailers.	LCRR Service Line Inventory, #4294, Conor Tyson West Wind Litho	\$1,113
Project Name and Number: • Install emergency eyewashes.	Wellhouse Eyewash Install, #4314, Conor Tyson Ellsworth Paulsen Construction	\$55,868
Project Name and Number: • Pad-mounted 15 kV switchgear.	Electrical Equipment - Terminal PS, #4335, Kevin Rubow Energy Management Corporation	\$35,294
Project Name and Number: • Replace coupling adapter.	4500 South 4800 West Site Improvements, #4339, Conor Tyson Vancon, Inc.	\$3,792
Project Name and Number: • Meter Vault Rehab.	5500 W 4700 S KID Meter Vault Rehabilitation, #4272, Conor Tyson Ellsworth Paulsen Construction	\$49,929
Total Capital Project Approvals (Active Projects)		\$58,043,974

REPORT ON MEDIA COVERAGE

JORDAN VALLEY WATER CONSERVANCY DISTRICT

REPORT ON MEDIA COVERAGE TONE

February 14, 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: January 1, 2024 – January 31, 2024

1. **Neutral** - Holmes, S. (January 8, 2024) *Opinion: How you can help conserve water — and keep Utah's lawmakers accountable.* Salt Lake Tribune.
<https://www.sltrib.com/opinion/commentary/2024/01/08/opinion-how-you-can-help-conserve/>

Op-ed discussing water conservation. The author points to upcoming bills in the 2024 Utah Legislature focused on limiting turf, developing water conservation resources for schools, and improving water use applications and measurement. The op-ed calls for coordinated efforts at various levels, including JVVCD, in addressing the state's water challenges and supporting conservation initiatives.

2. **Neutral** - Winslow, B. (January 30, 2024) *Utah lawmakers consider funding millions for Great Salt Lake, water conservation.* Fox13 News.
<https://www.fox13now.com/news/politics/utah-lawmakers-consider-funding-millions-for-great-salt-lake-water-conservation>

Article about different funding proposals relating to water conservation and Great Salt Lake. The article mentions that \$12 million is being sought for continued turf buy-back programs. Mark Stratford (JVVCD staff) is quoted supporting the need for consistency in funding for JVVCD to continue conservation programs.

Similar articles appeared on KSL.com (<https://www.ksl.com/article/50860852/utah-explores-split-season-leases-as-a-possible-piece-to-great-salt-lake-solution>), Ogden Standard Examiner (<https://www.standard.net/news/environment/2024/jan/30/utah-lawmakers-consider-funding-millions-for-great-salt-lake-water-conservation/>) and Deseret News (<https://www.deseret.com/2024/1/30/24055453/water-research-turf-buy-back-program-utah-legislature>)

MEDIA COVERAGE

ENVIRONMENT

Saving the Great Salt Lake is important for a critical international industry — harvesting brine shrimp



Brine shrimp are harvested in the Great Salt Lake on Oct. 17.

Great Salt Lake Artemia

By Emma Penrod
Great Salt Lake Collaborative

Editor's note: This story is part of a series of stories by the Great Salt Lake Collaborative that asks the question: Why save the Great Salt Lake? It explores what opportunities open up in agriculture, daily life, industry and recreation by restoring the lake — or are ultimately lost without it. To view all the coverage, go to greatsaltlakenews.org

Nobody grows up thinking they'll work in the brine shrimp industry. At least Timothy Hawkes, a self-described "accidental sea monkey lawyer," didn't. He stumbled into the job of legal counsel for the Great Salt Lake Brine Shrimp Cooperative about seven years ago, early in his service in the Utah Legislature.

The next thing he knew, he was on a United Nations Food and Agriculture Organization-sponsored panel presenting information about management of the Great Salt Lake and whether it could produce enough brine shrimp to feed the world.

Utah, Hawkes says, longs for a place on the global stage. For years, state leaders have argued for the importance of its agricultural products, for its potential to become a major energy producer — it even hosted the Winter Olympics. But as Utah cast about for a way to make its mark, the eyes of the world had already turned to the Beehive State. Not for its innovative tech companies or its picturesque national parks.

No, they came to this landlocked state for the seafood.

The world population is expected to grow by nearly a billion persons over the next 30 years, posing significant questions about how to feed all these additional people in the face of a changing climate, increasing urbanization and conflict in some of the world's most critical food-producing countries. Given the limits on how much more land and fresh water can be converted to agricultural use — and growing opposition around the world to the deforestation this would require — the Food and Agriculture Organization of the United Nations believes that industrial fish farming will be critical to preventing hunger in the future.

But like other livestock, farmed fish require a food source. And popular carnivorous species, including shrimp, prawns, crab, sea bass, snapper and many tropical fish species, cannot survive to adulthood without artemia — what we know in Utah as brine shrimp.

The Great Salt Lake, according to industry experts, is the world's single largest source of brine shrimp. And while this may come as a surprise to the locals, they say it's also the most sustainable source.

"The eyes of the world are on us — Utahns like that narrative, but the eyes of the world really are," Hawkes says. "If Utah can stick the landing — if we can execute that vision (of saving the Great Salt Lake) — people will come from all over the world to study what we did."

At first glance, the brine shrimp industry in Utah may appear modest, employing maybe 170 individuals within the state. But those numbers don't account for the global impact of brine shrimp, which support an estimated 10 million metric tons of seafood, produced mostly by a few big corporations and a lot of small family-owned fish and shrimp farms in developing economies in Latin America, Asia and Africa, according to Patrick Sorgeloos, a founder of the Artemia Reference Center at Ghent University, in Belgium.

This has not always been the case, Sorgeloos says — in fact, it's a relatively recent development. As recently as the 1970s, leading experts in aquaculture believed a need for some form of tiny, live zooplankton would forever limit the domestic production of species like shrimp.

"At that time, everyone was saying we can make a dried pellet, just like you feed chickens or pigs," Sorgeloos says. But they quickly realized that in their earliest life stages, shrimp and some carnivorous fish couldn't survive on pellet feed because they lacked critical digestive enzymes they would typically acquire from consuming live zooplankton in the wild.

The challenge, Sorgeloos continues, is that zooplankton don't lend themselves to being shipped and stored for convenient use by farmers. But artemia have adapted to live in some of the world's most extreme, and unstable, environments — saline lakes. Under stress, brine shrimp will produce cysts — often incorrectly referred to as eggs

— to survive. In Utah, these cysts help the artemia survive over the winter.

When dry, the cysts are naturally shelf stable, with the brine shrimp only emerging from their encysted state when reintroduced to water.

"You can ship them to Thailand, Malaysia, Indonesia, and you can have them on the shelf, and when you start your farming of shrimp, you can take a can of Great Salt Lake artemia cysts and the next morning have plankton food for your baby fish or shrimp," Sorgeloos says.

The idea, when early aquaculture pioneers first proposed it, seemed ludicrous. Brine shrimp were available at the time, but most came from coastal estuaries in San Francisco and they were sold for top dollar to hobbyists raising tropical fish in high-end aquariums. How was anyone going to feed a growing global population with such a scarce and expensive resource?

But there was another source of artemia that could vastly increase the available supply — the Great Salt Lake. And that is how Utah's brine shrimp industry was born.

Today, farmers from Vietnam and Indonesia — people who have never been to the United States — ask Hawkes about the health of the Great Salt Lake. Even here in Utah, if you buy a bag of frozen shrimp from the store, there's a 50-50 chance that shrimp was raised on artemia from the Great Salt Lake.

GSL A7



Timothy Hawkes, pictured at Antelope Island on Oct. 19, is the vice chair and general counsel of the Great Salt Lake Brine Shrimp Cooperative, which harvests and distributes brine shrimp cysts, which are used to feed farmed fish.

Madi Ormond, PBS Utah

"If Utah can stick the landing — if we can execute that vision (of saving the Great Salt Lake) — people will come from all over the world to study what we did."

— Timothy Hawkes, legal counsel for the Great Salt Lake Brine Shrimp Cooperative

Seafood in landlocked Beehive State

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GSL FROM A6

"It has a global impact that I think is poorly understood," Hawkes says. "If the Great Salt Lake goes away, it would drive up costs and limit our ability to produce food in a lot of the developing world, which complicates food scarcity and other problems. This is a body of water that very much has a global reach and a global impact, and if the Great Salt Lake went away, the world would be poorer for it."

Great Salt Lake's legacy

Given the explosive growth of aquaculture since the 1970s, the Great Salt Lake is no longer the world's only source of artemia. It does still supply a little more than a third of the world's brine shrimp and retains its place as the largest sole producer of artemia, Sorgeloos says, but even the greatest salt lake in the world couldn't by itself supply the 3,500 metric tons of artemia that is now consumed annually. So brine shrimp are increasingly extracted from other saline lakes and coastal waters, primarily in central Asia, Siberia and China.

"That doesn't make the Great Salt Lake any less important to aquaculture," Sorgeloos says. Rather, the lake's significance in the industry continues to grow.

In the 1990s, two decades into the brine shrimp industry's success, the Great Salt Lake was still essentially the world's only source of artemia, Sorgeloos explains. By then, it was producing 1,000 metric tons of dried brine shrimp cysts per year, and demand continued to grow. Then came a wet cycle driven by El Niño—a cyclic climate pattern that involves above-average temperatures in the eastern Pacific Ocean and typically wetter weather in the Western U.S. The salinity of the Great Salt Lake dropped, and brine shrimp populations suffered.

At the same time, Hawkes recalls, wild fisheries around the world began to experience population collapse as a result of overfishing. This triggered a sense of reckoning among the brine shrimp fishers of the Great Salt Lake as they realized if they took too many cysts, particularly during years when the population was already struggling, the brine shrimp might never recover.

Recognizing the resource is finite, the industry invited regulation and worked in collaboration with state regulators to develop a "management model" that places a cap on how many brine shrimp cysts may be harvested from the Great Salt Lake to ensure



Crews work during the brine shrimp harvest at the Great Salt Lake on Oct. 17.

Great Salt Lake Artemia

a sustainable harvest year after year, Hawkes says. The system remains in place to this day, with some refinements worked out over the years.

Other saline lakes have been less lucky. Remnants of the Aral Sea straddling the border of Kazakhstan and Uzbekistan, which until recently produced 300 metric tons of brine artemia, has become too saline to support brine shrimp. Iran's Lake Urmia, another former source of artemia, now produces nothing. Other lakes of importance to the industry have vanished or remain in jeopardy, prompting the U.N. meetings on food security that ultimately summoned Hawkes and other experts to the international stage.

For all the talk about the jeopardy the Great Salt Lake currently faces, Sorgeloos says, it remains perhaps the best managed saline lake in the world. He sees current efforts to save the lake as an extension of its existing legacy—and a beacon of hope for the entire aquaculture industry.

"Utah should be proud," Sorgeloos says. "If we want to save these terminal lakes, not just the Great Salt Lake, we will use the Great Salt Lake as an example."

A Mayo Clinic for brine shrimp

With the success of aquaculture around the world on the line, researchers and industry leaders hold regular workshops to discuss the state of the Great Salt Lake, and how programs initiated here might be replicated elsewhere. These meetings have taken place

all around the globe—a rotation that is in keeping with the brine shrimp industry's international footprint. But Sorgeloos believes Utah could play an even greater role in the industry's future if the state built a research center to serve as a home base for the study of saline lakes. There's even a chance the U.N. could provide financial backing for such a center, he says.

Sorgeloos isn't the only person to float the idea of starting an international saline lakes research center in Utah. This past spring, seniors in landscape architecture at Utah State University hatched plans for a possible research facility on Antelope Island as part of a senior capstone project. Although the concept was left partially unfinished as the semester came to a close and the students graduated and moved on to their next endeavors, professional practice professor David Anderson in USU's Department of Landscape Architecture and Environmental Planning believes the idea could have real potential.

"If you could create a place that was globally recognized, you could invite researchers from all around the world to come participate and study and generate work that could have an impact at other saline lakes that are under threat," he says. "There are globally recognized research facilities for a myriad of topics—Johns Hopkins or the Mayo Clinic for medicine—and it really ought to be of that caliber, but for anything related to the function and health of saline lakes around

the world."

The plans drawn up by his students, Anderson says, included space for classrooms and living quarters for up to 30 visiting experts. Providing residential facilities as well as space for research and for learning would allow universities and businesses worldwide to send their top scientists to Utah to spend time on the Great Salt Lake. It wouldn't have to be limited to brine shrimp—other industries like mineral and salt producers could send experts as well, and over time these researchers would develop relationships and improve the global understanding of saline lake ecosystems.

Of course, Anderson continues, a facility like this would have significant educational and public outreach components as well, exposing future generations of Utahns to a host of potential careers in environmental engineering, ecology, biology and many other fields.

Locating the facility in a place like Antelope Island would increase the level of difficulty for the architects—it would come with a great need to respect the landscape and minimize the impact on the environment. And it may not be possible to locate all the facilities the research center would need on the island—aquaculture research, for example, would require access to fresh water in quantities that just aren't available on the lake. But if the researchers themselves lived and studied on the center of the lake, Anderson believes it could provide the inspiration needed to

spur global change.

"If you put them in a facility where they are looking at the situation change before their eyes, it ramps up the necessity, the importance and the urgency—and the stewardship that they are, I believe, required to take on," Anderson says.

And make no mistake, the future needs a healthy lake. Beyond brine shrimp, other organisms that live in the lake can survive intense cold and relentless sun exposure—the kind of UV intensity that might be present on another planet, according to Bonnie Baxter, director of the Great Salt Lake Institute at Westminster College.

"I have received funding from NASA for studying the extreme microbial life in Great Salt Lake as an analog for potential life from lakes that dried up on Mars," she said. These microbes can dry up inside minerals and survive over thousands of years. Some Great Salt Lake microbes can live within salt crystals. As we look for life on other planets, Baxter says, the Great Salt Lake will teach us what to look for.

With an infusion of perspective, Anderson believes the world could come together and make a difference—for the sake of all human beings both currently living, and those yet to be born.

"In addition to significant local and regional impacts such as toxic dust and lack of snow along the Wasatch Front, there are more far-reaching implications," Anderson says. "It truly affects people starving—that's a message that's incredibly thought provoking."



Crews work during the brine shrimp harvest at the Great Salt Lake on Oct. 17.

Great Salt Lake Artemia

"If we want to save these terminal lakes ... we will use the Great Salt Lake as an example."

— Patrick Sorgeloos, a founder of the Artemia Reference Center at Ghent University

Great Salt Lake Collaborative

This article is published through the Great Salt Lake Collaborative, a solutions journalism initiative that partners news, education and media organizations to help inform people about the plight of the Great Salt Lake—and what can be done to make a difference before it is too late. Read all of our stories at greatsaltlakenews.org.

GREAT SALT LAKE » CONSERVATION EFFORTS

Flurry of water reuse claims threatens to take more water

By LEIA LARSEN | *The Salt Lake Tribune*

A bill meant to keep some of the only water guaranteed to reach the Great Salt Lake — treated wastewater — may have inadvertently spurred a flurry of water reuse applications across the basin.

Currently most of Utah's largest reclamation plants sit near the shores of the imperiled lake or Utah Lake, which is connected to the Great Salt Lake via the Jordan River. The facilities clean water

flushed down the drain from homes, businesses and industries, then discharge it into canals or rivers that reach the lakes. But more rigorous treatment standards meant to prevent toxic algal blooms have resulted in pricey upgrades for those reclamation facilities. Those costs, along with a rapidly growing population, have cities and water districts eyeing treated wastewater for reuse, either on lawns or, in some cases, as a new drinking water supply.

That makes sense in places like Las Vegas, Phoenix or southern Utah

communities like St. George. But for the Great Salt Lake, it could be a death sentence.

"Every drop we reuse, if depleted from the system, only aggregates to the problem of a shrinking lake," warned Rep. Casey Snider, R-Paradise, during last winter's legislative session.

If municipalities across the lake's watershed were to reuse and fully deplete their wastewater, the lawmaker said, the Great Salt Lake could drop another 10

Please see **WATER, A3**



TRENT NELSON | *The Salt Lake Tribune*

Water treated by the North Davis Sewer District makes its way into Farmington Bay of the Great Salt Lake last year. Lawmakers passed a bill meant to bar reuse of treated wastewater that currently flows to the lake, but may have spurred a flurry of applications for reuse projects instead.



TRENT NELSON | THE SALT LAKE TRIBUNE

Water treated by the North Davis Sewer District makes its way into Farmington Bay last year. A new pipeline will release that water into the Great Salt Lake west of Antelope Island.

Water

• [Continued from A1](#)

to 12 feet.

"We'll be, in effect," Snider said, "cutting off our nose to spite our face in the Great Salt Lake system."

He convinced legislators to approve HB349 in March, which bars the Division of Water Rights from approving any new water reuse applications for projects that would have otherwise discharged to the Great Salt Lake or its tributary rivers.

The bill does include some exceptions. Water reuse proposals designed specifically to supply water to the lake get a green light. Projects which include water rights owned by the federal government have an exemption. And, crucially, proposals filed before Nov. 1 can move forward.

State regulators have since seen a deluge of water reuse applications. Before 2023, officials with the Division of Water Rights only had 25 reuse projects cross their desks in about as many years. About a third came from southern Utah communities outside of the Great Salt Lake basin.

But from March until Nov. 1 this year, the division had 45 water reuse applications filed. All but one came from counties inside the lake's watershed.

"All the efforts we've made to save the Great Salt Lake, it's going to take some time for any of them to make a big dent," said Brigham Daniels, a visiting professor at the University of Utah S.J. Quinney College of Law. "But if all these reuse applications are going to be approved, that's going to make a big dent in the opposite direction."

It's hard to say how much water the reuse applications would deplete or remove from the Great Salt Lake and its tributaries. The cities and districts use different methods of calculating and some of the paperwork is incomplete.

Most indicate wastewater will get reused on lawns and crops. The Division of Water Rights estimates outdoor irrigation depletes between 40% and 60% of the water used, while the rest would trickle to groundwater or eventually reach streams.

Some of the applicants claim their water rights allow them to deplete every drop, however, so they're simply taking full advantage of those rights. The state engineer, who helms the Division of Water Rights, has approved those arguments in the past, but sometimes she only allows a certain percentage of the water to get depleted.

It all depends on the underlying water right, a division representative said.

While the justification cities and districts make for water reuse are complex, and perhaps compelling, Daniels, who specializes in environmental and water law, said cases can also be made against their approval, even if they met the November deadline.

"There are some tools in the agency's toolbox," Daniels said, "to look at these with a demanding eye."

For one, Utah owns its water, which it does out to users in the form of water rights, which must then be put to a beneficial use. State code allows the state engineer to deny a request if it would harm the public welfare. And depleting more water than would otherwise reach the Great Salt Lake, turning it into a toxic dust bowl and source of endangered species listings, is arguably not beneficial or good for the welfare of Utahns.

"Whether the state wants to go there, I don't know," Daniels said. "This really is challenging the state's role as steward of the water."

Utah must also manage the Great Salt Lake itself and some of its tributary rivers for the good of all Utahns. A lawsuit is currently pending that attempts to preserve the lake using this principle, called the public trust doctrine.

"They have good chances for denial of some of these permits," Daniels said. "This is going to have to be done in a much more careful way than I'm able to armchair it from afar."

But any incomplete applications should get rejected, the professor said.

"I would take a firm stance," he said. "You had until Nov. 1. If you're incomplete, we're done."

Why cities and public utilities want to reuse Great Salt Lake Basin water

Gov. Spencer Cox closed much of the Great Salt Lake's watershed to new water rights last year, so growing cities must get creative as they search for new supplies.

Cities and districts within Utah County filed 17 reuse applications this year, more than any other county. Ten of them came from the Timpanogos Special Service District.

Richard Mickelsen, general manager, said he began considering reuse as a way to meet the demands of growth about five years ago.

"The House bill [HR349] forced everyone to the table," he said.

Booming Vineyard is of particular concern, he said. That city is poised to build a massive dense-use development called Utah City at the site of the old Geneva Street site. Mickelsen is exploring the idea of piping treated wastewater to the Lake Side Power Station so it frees up culinary water to meet Vineyard's needs.

At the north end of the watershed, in Box Elder County, Brigham City wants to reuse its wastewater outdoors to also free up more culinary water and support its ballooning population.

"Obviously, we are concerned about the future of the Great Salt Lake," said Public Works Director Tyler Pugsley. "That being said, we're also concerned about providing a safe, dependable drinking water supply."

In the ski and second home hot spot of Ogden Valley, Wolf Creek Water and Improvement District plans to tap treated wastewater to solve its water shortage issues, which it will store in a pond. The district had to place a moratorium on new water connections last year due to a prolonged and crippling drought, which caused waves across the valley. The pause also meant the district faced litigation from landowners who bought home sites in good faith.

"The reuse pond, it solves that problem," said Miranda Menzies, who chairs the district board. "And it also means we've got a source that's reliable, that doesn't fluctuate as much in dry years."

Wolf Creek further argues its water right is part of the Weber Basin Water Conservancy District, which in turn inherited its water rights from the U.S. Bureau of Reclamation - and federal rights are exempt from HB 349. They can also be fully depleted.

Weber Basin has had its own large reuse project in the works for several years. It plans to recycle up to 8,800 acre-feet. An acre-foot is about enough water to support two households in Utah. It will blend that water with storage in Willard Bay reservoir, which captures the last of the Weber River's flow before it reaches the Great Salt Lake.

Some of the reuse water will get released to the lake, the district's application notes, and some will meet obligations to support Ogden Bay Waterfowl Management Area, one of the largest engineered wetlands complexes on the lake.

The district is working on a pilot to build a treatment plant nearby as well, which will treat Willard Bay water to drinking

standards.

"We just have a lot of demands on our water resources," said Darren Hess, the district's assistant general manager. "Development continues to take place. It's a big balance for us."

Recycling the water for indoor use, however, means impacts to the lake will be minimal, Hess said.

"Most of that water returns back to the system after it's used in the home," he said. "Really, it's the outdoor irrigation that's detrimental."

South Davis Water General Manager Jake Ferguson, however, worries about reductions in outdoor watering, especially as the state now requires meters on most secondary connections. Studies show meters result in 20%-40% less water applied outdoors, meaning more water gets stored in reservoirs but less percolates into the soil.

"We're wanting to reuse water... so we can possibly recharge our groundwater in this area," Ferguson said. "We need that secondary water in the ground."

As aquifers recede, Ferguson worries the lake's salty groundwater will begin to encroach and spoil municipal supplies as well. Overdrawn aquifers have caused saltwater intrusion in coastal and interior states since at least the 1970s.

"Water reuse," said Bryce Haderlie, Woods Cross city administrator, "is one element of contributing to the overall health of the Great Salt Lake Basin water cycle ecosystem that includes groundwater."

He added the city's aquifer has already dropped by multiple feet. Woods Cross has partnered with South Davis Water on a reuse proposal.

"The health of the lake is both waters above and below ground," Haderlie said. "Our goal is to conserve the groundwater and reuse water that has already been pumped."

The Great Salt Lake basin's largest city, Salt Lake City, did not file any reuse requests in 2023. But it did receive approval for an application in 2021. The project mostly uses treated wastewater at the Salt Lake City Public Utilities reclamation plant for equipment maintenance and some landscaping.

The application notes the plan will deplete 560 acre-feet from reuse, but Tamara Prue, the city's water resources manager, said most of that will go to dust control as it builds its new facility. She expects construction to wrap in 2026, at which time depletion will drop significantly.

The department also intends to officially dedicate its wastewater return flows to the Great Salt Lake.

"That's what happens now anyway; it's not a change in practice," Prue said. "But hopefully it sets a model for other cities."

This article is published through the Great Salt Lake Collaborative, a solutions journalism initiative that partners news, education and media organizations to help inform people about the plight of the Great Salt Lake - and what can be done to make a difference before it is too late. Read all of our stories at greatsaltlakenews.org.



FRANCESCO KIOLETH | THE SALT LAKE TRIBUNE

Storm clouds hang in the sky over the Great Salt Lake on the south shore of the Great Salt Lake earlier this month. State regulators worry that a deluge of water reuse applications could hamper efforts to save the lake.

Lake Powell's water forecast drops

Despite a record-breaking snowpack last year, the lake is just 35% full.

By ANASTASIA HUFMAN

The Salt Lake Tribune

With below-average precipitation so far this winter, officials say that Lake Powell will get 2 million-acre feet less water than they originally thought.

In October of this year, the Bureau of Reclamation, the agency that oversees water projects nationwide, said that between October 2023 and September 2024, an estimated 9.4 million acre-feet of water would flow into Lake Powell.

This month, they've revised their estimate. Reclamation now says that Lake Powell will receive just 7.6 million acre-feet in that time frame.

Reclamation's December report states that this forecast is 79% of the historical average runoff between 1991 and 2020.

Last year, Lake Powell received a whopping 12 million acre-feet of water from last winter's record-breaking snowpack, which saved the reservoir from drastically low levels.

But even after last year's winter, Lake Powell is just 35% full. A below-average runoff this year could mean that reservoirs in Colorado and Wyoming would have to release water downstream to keep the lake.

Lake Powell, which straddles the Utah-Arizona border, is vital for the Colorado River Basin. With the Colorado River bringing less water into the reservoir in recent years due to drought, Lake Powell has shrunk to dismal levels.

Last year's healthy runoff saved the lake from hitting levels that would have endangered the Glen Canyon Dam's energy generation and made delivering water to Arizona, California and Nevada nearly impossible.

Utah reaches its typical peak snowpack in early April, and the state gets about 95% of its water supply from snow.



BETHANY BAKER | *The Salt Lake Tribune*

The bathtub ring is visible at Lake Powell near Ticaboo, Utah on Oct. 17.

Snow shortages plaguing Western states

By MIKE BAKER

The New York Times

Mount Ashland, Ore. » With gusts of wind howling around Mount Ashland's vacant ski lodge this week, Andrew Gast watched from a window as a brief snowfall dusted the landscape. It was not nearly enough.

The ski area's parking lot remained largely empty. On the slopes, manzanita bushes and

blades of grass were poking through patches of what little snow had landed. Even the 7,533-foot summit — the highest point in the Siskiyou Mountains along the Oregon-California border — still had bare spots. These days, Gast has been checking the weather forecast the moment he wakes up, only to learn that warmer and drier days lie ahead.

“I'm trying not to pay

attention to it too much right now because it's just going to cause me heartburn,” said Gast, who manages the nonprofit community ski area south of Ashland, Oregon. He spent much of this week in his office, preparing to issue furloughs or layoffs.

Across much of the West Coast, from the Cascades in the north to the Sierra Nevada in the south, mountain sites are recording less than

half of their normal snowpack for this point in winter. The situation has created serious problems for dozens of ski resorts during the holiday weeks, which are crucial to their livelihoods, and has stirred wider concerns about the future — for the coming summer agriculture season and for the region's altered ecosystems amid a warming climate.

Please see **SNOW, A4**

Snow

Continued from A1

The snow that blankets mountain ranges in winters serves as a vital reservoir that is released when temperatures rise each summer. The snowmelt cools rivers enough to sustain salmon runs, propels hydropower systems that provide the region's electricity and feeds irrigation channels needed to supply the nation's apples, blueberries and almonds.

Climate change has already started depleting that natural reservoir, with researchers finding that the typical mountain snowpack has declined in recent decades, resulting in trillions of gallons less water in a typical year — enough volume lost to fill Lake Mead. Declining snowmelt has contributed to the drought crisis on the Colorado River, the water source for 40 million Americans.

"When I first started studying this issue 35 years ago, it seemed very theoretical at the time," said Phil Mote, a scientist at Oregon State University who researches snow accumulation and its connection to climate change. "Now it's not."

Farmers are already watching this year's forecasts and searching for signs of snow on the mountain peaks. Scott Revell, the manager of the Roza Irrigation District in central Washington, said he and others are monitoring the snowpack daily and have been making preparations for a possible water shortage



ALISHA JUCEVIC | The New York Times

Sparse snow surrounds the lodge and a beginner lift at Mt. Ashland near Ahland, Ore., on Wednesday. The resort has not opened this season.

next year.

Even before winter, the region was in a supply hole, with a net water shortage going into October and lower-elevation hillsides that were particularly dry. Revell said there is always a possibility that blasts of snow at the beginning of the year could turn the region's fortunes around, but the district, which irrigates thousands of acres of apples, wine grapes and hops, has been warning farmers that signs so far do not bode well.

"We are and have been taking action for several months to be prepared for severe shortage," he said. That includes preparing for emergency water wells, exploring options to lease water and discussing with farmers about whether some plots of land should be left fallow

for the season.

For ski resorts, the climate trends are likely to mean they'll have shorter seasons, with big fluctuations from year to year. As a temporary solution, some resorts have invested in costly snow-making machines to help ensure a more consistent schedule.

But even with those efforts, resort operators have struggled to overcome the lack of natural snow this winter. Some ski areas remain closed, while larger resorts at higher elevations have opened only a portion of their lifts.

At Palisades Tahoe in California, crews have recorded 38 inches of snow on a mountain that typically averages about 400 inches per season. The resort has slowly expanded its operations in recent weeks,

helped by \$6 million it spent in the past couple of years on snow-making equipment. Big Bear Mountain Resort in Southern California was trying to expand its limited operations but dealing with temperatures in the mid-50s Thursday.

In Washington, Crystal Mountain has managed to open less than half its ski area, and officials warned people to watch for shrubs that might be sticking out of the snow in some spots.

The trouble with reopening ski runs has stretched into much of the interior West, including in Sun Valley, Idaho, where manufactured snow has helped build routes through hills where many shrubs Thursday were still visible, bathed in sunlight.

Mount Ashland has dealt with troubled years before. A lack of snow during the 2013-14 season prevented the ski area from opening at all. The mountain has historically averaged about 260 inches of snow each year, but that has declined in recent years to about 240.

Doug Volk, who is the director of mountain operations at the ski area and has worked there for four decades, said he recalled the mountain opening for skiers around Thanksgiving in some years when he was younger. Now even early December is less reliable, he said.

Volk typically has about 60 people working under him during regular operations. Right now, there are only a half-dozen, and there are discussions about further cuts.

"That's probably one of the hardest things you have to deal with,"

he said.

The mountain had a promising start in early December, when the area got about 1 foot of snow. But then an atmospheric river from the tropics soaked the region in warm rain. Adding to the uncertainty is an El Niño climate pattern that can leave the Northwest warmer and drier than in other years. Forecasters at the National Weather Service predict that much of the West Coast will likely have above-average temperatures this winter.

Volk said the mountain needs about 2 to 3 feet of snow for the ski area to operate. As he checked forecasts on his computer this week, he saw no sign of that coming. The snow level was set to rise above the mountain's peak.

As a few flurries fell on the ski area this week, Lisa Parker arrived with her family, some of whom were visiting from Mississippi for the holidays. When the gathering was planned, Parker had promised days of snow recreation around their home in the Ashland area, on property that is at an elevation level of about 3,500 feet.

She said her family had moved there to be close to snow recreation. But this winter, there has been no snow near their home, she said. They finally found a taste of it after going up to Mount Ashland, sledging in an area not yet deep enough for skiing.

"This is really unusual to us," she said. "We are chasing snow like we used to do when we were in the South."

Lake Powell pipeline — a timeline

The 20-year history of one of Utah's most controversial water projects.

By **ANASTASIA HUFHAM**

The Salt Lake Tribune

The Lake Powell pipeline has been dormant for years, leading many to believe that the project is dead. But it could technically still happen.

The pipeline would transport 86,000 acre-feet of water per year from drought-stricken Lake Powell on the Colorado River to southwestern Utah. It would stretch over 143 miles long and cost billions of dollars. At one point, it was also supposed to generate electricity for public utilities and municipalities.

But despite being authorized by the Utah Legislature



BETHANY BAKER | *The Salt Lake Tribune*

The Glen Canyon Dam, near Page, Ariz., forms Lake Powell.

over 20 years ago, the project hasn't broken ground. Interrupted environmental impact statements and opposition from surrounding states have suspended the pipeline

in regulatory limbo.

Opponents of the pipeline say that diverting water from Lake Powell — which stands at just 35% full — is antithetical to ongoing multi-state efforts to conserve Colorado River water in the West. The Colorado River provides water for 40 million people, and its flows have decreased by 20% since the turn of the century.

Most recently, a group of environmental nonprofits from across the Colorado River Basin banded together to ask the federal government to kill the pipeline.

Here's how we got to this point.

Please see **PIPELINE, A3**

Pipeline

• Continued from A1

2006: Utah Legislature passes the Lake Powell Pipeline Development Act

The Legislature authorized the Utah Board of Water Resources to plan and construct the pipeline, which they said would meet projected water demand for southwestern Utah through 2060. Washington County would receive the majority of the diverted water.

The buried pipeline would be diverted from Lake Powell at an intake near Glen Canyon Dam and pumped uphill to a point east of Kanab. The rest of the pipeline would run 89 miles downhill to Sand Hollow Reservoir in Washington County.

The downhill portion of the project was originally planned to feature four in-line hydroelectric generating stations. Electricity generated by the pipeline would have been sold to public utilities and municipalities to offset project costs.

2008: Utah Board of Water Resources files Notification of Intent for the pipeline

The board proposed a dual-purpose water supply and hydroelectric power generation project with the Federal Energy Regulatory Commission (FERC).

Dec. 11, 2017: FERC has questions about its control over the project

The commission stated that while it had jurisdiction over the proposed pipeline's electricity-generating equipment and transmission lines, it had "not yet determined whether water delivery pipelines will be included as part of the licensed hydro facilities."

January 2018: Pipeline procedural schedule suspended

Utah's congressional delegation asked FERC to suspend the pipeline's procedural schedule until the commission determined whether or not it had jurisdiction over the water delivery aspect of the project.

By this date, the state of Utah had invested over \$34 million in preparing and submitting a comprehensive license application for the Lake Powell pipeline.

Aug. 22, 2018: Utah asks FERC to lift the pipeline's schedule suspension



BETHANY BAKER | The Salt Lake Tribune

The bathtub ring is visible at Lake Powell near Ticaboo on Oct. 17. A dormant Utah pipeline plan would take 86,000 acre-feet of water per year from the drought-stricken lake and transport it more than 143 miles to southwestern Utah. Opponents say the proposal is antithetical to multi-state efforts to conserve Colorado River water.

Just months later, the Utah Board of Water Resources and the Washington County Water Conservancy District asked that the commission lift the schedule suspension "immediately" so that they could "move forward expeditiously with the development of the Environmental Impact Statement."

Sept. 20, 2018: FERC says it doesn't have jurisdiction over the pipeline's hydropower facilities

The commission determined that it only had jurisdiction over the hydropower stations along the downhill part of the pipeline, which "does not include the water delivery pipeline that connects those developments."

This determination meant that Utah would have to go through other permitting processes for the pipeline with the Bureau of Land Management, the Bureau of Reclamation, and the National Park Service.

With this decision made, the project could move forward with a draft environmental impact statement. FERC remained the lead agency for that process.

Eric Millis, who was then director of the Utah Division of Water Resources, said that his agency was "fully committed to this project,

including the hydropower generation facilities."

Sept. 25, 2019: Utah announces that it's removing most hydropower from the Lake Powell pipeline project

At the time, the Utah Board of Water Resources said that it was "simplifying the Lake Powell Pipeline (LPP) project" by doing so.

"The primary purpose of the LPP is to diversify and increase the water supply for 13 communities in southwestern Utah. Focusing on the water delivery portion of the project streamlines the permitting process and helps move the project forward as efficiently as possible," Millis said.

Utah's decision eliminated FERC's license requirement for the Lake Powell pipeline. As a result, the Utah Board of Water Resources asked that the Bureau of Reclamation, which is housed within the U.S. Department of the Interior, lead the environmental impact statement process instead.

Dec. 2019: The Bureau of Reclamation states its intent to prepare an environmental impact statement for the pipeline

Under the National Environmental Policy Act, federal agencies must prepare an environmental impact statement "if a proposed

major federal action is determined to significantly affect the quality of the human environment."

April 2020: Kane County pulls out of the Lake Powell Pipeline project

The Kane County Water Conservancy District said that the county would not need water from Lake Powell after reviewing its anticipated population growth and projected water supplies.

June 2020: The Bureau of Reclamation publishes the draft environmental impact statement for the pipeline

The Kaibab Band of Paiute Indians responded to the draft environmental impact statement almost immediately.

Tribal officials wrote that "the [Lake Powell pipeline] project proposes to remove the Colorado River from its appropriate place and to move it elsewhere to be used in different ways. This action will make the river angry and confused, the results of which are unknown but clearly a source of imbalance in the world."

Sept. 8, 2020: Surrounding states ask feds to halt the pipeline project

The six other states of the Colorado River Basin — Arizona, California, Colorado, Nevada, New

Mexico and Wyoming — asked that the Department of the Interior not approve a final environmental impact statement or record of decision for the Lake Powell pipeline until all seven states could reach a consensus on the project.

"The Lake Powell Pipeline's prospects for success are substantially diminished if we are compelled to address such issues in the context of the current Lake Powell Pipeline [National Environmental Protection Act] process rather than through the collaborative, seven-state process we have developed," the states' letter to then-Secretary of the Interior David Bernhardt read in part.

The states also said that they would likely go to court over a final environmental impact statement for the Lake Powell pipeline.

"That is not a recipe for creating the kind of meaningful and positive change needed to sustain the Colorado River in the coming decades," the letter read.

Sept. 24, 2020: Utah asks for more time to review public comments on the pipeline environmental impact statement

"The Lake Powell Pipeline is a critical water infrastructure project for Utah," said Todd Adams, director of the Utah Division of Water Resources, at the time. "The extension will allow more time to consider the comments and complete further analysis, which will contribute to a more comprehensive draft and final EIS."

The project had been moving quickly toward approval before this point, with a final environmental impact statement expected in November 2020 and a final decision expected in January 2021.

Utah said it would move forward with a "supplemental" environmental analysis responding to concerns about the draft environmental impact statement. That analysis has not progressed.

Dec. 18, 2023: Nonprofits ask feds to eject the pipeline from environmental permitting

The nonprofits argue that there is no surplus water in the Colorado River for the pipeline, that Washington County doesn't need water from Lake Powell to sustain its growth and that tribes in the region have unresolved Colorado River water rights that should be prioritized over this project.

Here's what Utah's snowpack looks like at the start of 2024

Utah's 2024 snowpack remains below normal at the unofficial halfway point of the collection season.

Its statewide average is 3.9 inches of snow water equivalent, about 69% of the median average for New Year's Day, according to Natural Resources Conservation Service data. The holiday is almost the exact halfway point in Utah's snow collection season, as the state's water year begins on Oct. 1 annually and the median snowpack collection peak date is April 3, based on data collected between 1991 and 2020.

The current figure, based on data collected at more than 100 different mountain sites spread out across the state, is half of what Utah had collected to begin 2023 and the third-lowest New Year's Day total over the past decade. The snowpack collection and spring snowmelt cycle account for about 95% of Utah's water supply.

What's interesting is that every basin in the state is in a different place to begin the 2024 calendar year. Basins in the northern half of the state are generally closer to normal than basins across central and southern Utah.

The Bear River basin in northeast Utah has collected 5.6 inches of snow water equivalent, about 83% of its median average for New Year's Day, which is the highest percentage of normal among basins that feed into Utah water sources. The Southwest Utah basin, on the other hand, is listed as having 1.3 inches, about 33% of normal and the lowest percentage of normal among the basins.

This is where the other primary Utah basins stand as of Monday morning:

- Weber-Ogden: 5.9 inches (79% of normal)
- Provo-Utah Lake-Jordan: 4.8 inches (69% of normal)
- Tooele Valley-Vernon Creek: 3.6 inches (63% of normal)
- Northeastern Uintas: 2.6 inches (63% of normal)
- Duchesne: 3.1 inches (60% of normal)
- Southeastern Utah: 2.5 inches (60% of normal)
- San Pitch: 3.3 inches (59% of normal)
- Price-San Rafael: 2.9 inches (56% of normal)
- Dirty Devil: 2.2 inches (52% of normal)
- Beaver: 3 inches (51% of normal)
- Lower Sevier: 2.6 inches (48% of normal)
- Upper Sevier: 2.3 inches (47% of normal)
- Escalante-Paria: 1.4 inches (37% of normal)

— Carter Williams



Laura Seitz, Deseret News
Hikers make their way to Donut Falls in Big Cottonwood Canyon on Dec. 1. Utah's snowpack enters 2024 below normal for every region.

ENVIRONMENT

How 2023 reshaped the water world in Utah and the West

By Amy Joi O'Donoghue
Deseret News

If you are ready for some more cheer after the holidays, just look to the record snowpack Utah received in the last water year.

It broke records.

The snow would not stop coming, as captured in stunning photos by the Deseret News.

At one point, Alta Ski Resort had the largest snowpack in the country.

Utah is dependent on snowpack, supplying most of its water through an elaborate system of storage dams, aqueducts and pipelines that serve the burgeoning and fast-growing Wasatch Front.

The Utah Division of Water Resources has some good news to put in your stocking.

On average, reservoir storage currently stands at 78% full statewide. This is around 20% higher than normal reservoir levels for this time of year. For the most part, reservoirs will likely stay near these levels until spring runoff.

"It's early in the season, and I'm hopeful Mother Nature will deliver some much-needed snow, but we are planning for all possibilities," Candice Hasenyager, director of the Division of Water Resources, said. "We need to be vigilant to changing conditions and ready for whatever amount of snow the state receives from now until April."

Last year, precipitation did not disappoint.

The Natural Resources Conservation Service's Utah Snow Survey reports that precipitation in Utah's valley locations was above normal for the month of November. Its monthly report went on to report this good news.

"Of Utah's 16 major watersheds, all had above normal mountain precipitation during November except for the San Pitch, Price-San Rafael, Southeastern Utah, and Dirty Devil basins. Southwestern Utah was the month's big winner with 3.6" of



Kristin Murphy, Deseret News
Dave Eiriksson, Natural Resources Conservation Service snow survey hydrologist, stands in a snow pit that was dug to access buried electrical components at the Atwater SNOTEL site in Alta on March 16, 2023.

new precipitation, which is 202% of normal," the release said.

When it comes to water, all is not bright

The majority of Utah is out of drought, but still some areas remain impacted, according to the U.S. Drought Monitor.

Of particular concern is the extreme eastern portion of Utah bordering Colorado, which is termed as being in moderate drought. Another section is abnormally dry, where the Green River runs to eventually feed into the Colorado River to dump into Lake Powell.

The seven basin states that make up the Colorado River Basin have been mandated to come up with solutions to save that ailing river, plagued by too many diversions and decadeslong historic drought.

The U.S. Bureau of Reclamation took urgent action this year, mandating cuts in water consumption on the Colorado River until finalized steps are undertaken.

Utah, among the Upper Basin States, did its own math and, with its partners, came up with a plan. Will it be enough?

The new concept is called the System Conservation Pilot Program. And a staff engineer with the Colorado River Authority of Utah explained to the Utah Water Task Force in December that it is beginning to work.

The \$125 million appropriated by the U.S. Bureau of Reclamation is fueling a program that has resulted in 64 projects across the four Upper Basin states, including 20 in Utah.

Altogether, the projects have saved consumptive use on the

Colorado River in the Upper Basin by about 38,000 acre-feet of water. Utah, as part of that group, saved 15,090 acre-feet. It is just a drop, but a beginning.

The saline, salty elephant in the room

The Great Salt Lake saw some relief this year as a result of the bountiful snowpack, with the lower arm rising more than 5 feet. The lake is still struggling and poses a myriad of problems for the Wasatch Front, industry, migratory birds and the state's cultural identity.

Brian Steed, the state's Great Salt Lake commissioner, says there is room for hope, but it is a long haul.

In a recent media briefing, he said strategies to help the largest saline lake in the Western Hemisphere are broken into short-term measures,

mid-term actions and long-range goals.

Once the strategic plan has been presented to Utah Gov. Spencer Cox, it will be open for public comment and in January, the Great Salt Lake Strike Team will come out with another report assessing the lake's condition and where to go from here.

During the upcoming state legislative session, Steed said \$25 million will be requested in support of the Great Salt Lake and additional actions that need to be taken.

The state has always enjoyed the Great Salt Lake, but its ailing condition has forced a new reckoning as to just how important it is.

You simply have to point to Owens Lake in California to see the disastrous impacts of a terminal lake allowed to go dry.

This last year, the Great Salt Lake has enjoyed the blessings of renewed attention, but like anything that needs nurturing, everyone must continue to be vigilant.

House Speaker Mike Schultz, R-Hooper, said this Christmas season he is grateful the dialogue over water has changed.

"I think one of the things that I appreciate most over the last two years is we have successfully changed the dialogue in the state of Utah around how important water is. For years we have taken it for granted and we're the second-driest state in the nation," he said. "But public sentiment around water has changed and even with the amount of water that we have, people are conserving more today than they ever have, even in a record year where we have a record amount of water."

Schultz said Utah lawmakers are committed to pressing forward when it comes to helping the Great Salt Lake and water conservation in general — and the public is on board.

"The mindset around water in the state of Utah has changed and people are becoming more conservation oriented. And that's how we're going to solve the problem."

WATER ISSUES

'Very concerning' dry conditions haunt all of Utah. Will it change?

Every basin in the state is below normal for snowpack

By Amy Joi O'Donoghue
Deseret News

Mother Nature turned into a Scrooge for most of December, delivering very little rain or snow, and she hasn't been any more generous early this year.

"Right now, it is pretty concerning where we stand," said Jordan Clayton, supervisor of the Natural Resources Conservation Service's Utah Snow Survey.

Clayton said no basin in Utah sits at average for snowpack and for precipitation, the Bear River Basin is the only one that has raked in an average amount.

It's frustrating, he added, because the water year got off to a good start, propped up by active November storms.

Then, it fizzled.

Consider this, as of Tuesday, where these particular basins sit in the amount of precipitation received:

- Weber-Ogden, 79%.
- Provo-Utah-Jordan, 70%.
- Southeastern Utah, 60%.

While those numbers are grim, the situation is even worse in southwestern Utah, the Upper Sevier basin and in the Escalante River area. Upper Sevier is at 49%, southwestern Utah is at 33% and Escalante River is at 30%.

"Everything is well below normal," he said.

Coming off a record snow year, this year's performance has been abysmal. Water managers, however, never thought they'd get a duplicate performance. It would have been nice, however.

Clayton and others hope for at least an average year for snowpack to keep reservoirs at healthy levels and deliver a good runoff.

Typically, the first few months of the year are the star performers in terms of snowpack and being the wettest.

"So if we are going to turn this into a wet winter, it's over the next mainly three months when that is going to happen — or not happen," he said. "What we can't have happen



Jeffrey D. Allred, Deseret News

Motorists travel in Big Cottonwood Canyon on Wednesday. The lack of accumulated snow in Utah mountains compared to last winter is concerning to officials.

is for the snow to go away because at this point, we're really counting on (good) back to back water years to help keep our reservoir system full."

Statewide, reservoir storage sits at 78% of capacity, about 20% higher than what is typical, according to the Utah Division of Water Resources.

The division was coming off the promise of that star performance delivered by November

storms — statewide average snowpack was at 153% of median. Even into just a few days before Christmas, it was optimistic an active weather pattern would continue.

But now it's early January and it shows just how quickly weather patterns can change, underscoring the vulnerability of states like Utah and others in the West.

In fact, the Los Angeles Times cited federal drought experts to describe these conditions

that constitute a snow drought.

Clayton did say one piece of good news is that soil moisture content remains in good shape, in fact above normal in the mountains.

"So that is still encouraging if we could get the snowpack to turn around and get a close to normal snowpack season."

A coming storm just might help that, with the anticipated weather pattern to change as early as Thursday.

How Utahns can get involved with water conservation

Are we awake when it comes to water conservation? Reporter Amy Joi O'Donoghue asks a great question in the Deseret News article "How 2023 reshaped the water world in Utah and the West." And Director Candice Hasenyager provides a good answer, so far as it goes.

Yes, Utahns must remain vigilant. But Utah's water situation also warrants conservation-minded citizens getting actively engaged. With Lake Powell 35% full and the Great Salt Lake below its minimum healthy level, conservationists are alarmed that the Lake Powell Pipeline and Bear River Development water-to-lawns diversion projects are still being considered.

What actions can Utahns take?

Engage with your state lawmakers,

whose 2024 legislative session begins Jan. 16. Several water bills have already been filed. Groups like HEAL Utah offer free how-to workshops. A Rally to Save the Great Salt Lake is set for Jan. 20 at the Capitol.

Tell city and neighborhood councils you want improved water-wise ordinances. An example: Salt Lake City residents can attend a public hearing on Jan. 9, when the City Council will decide the extent to which water conservation measures are allowed in yards and park strips. Utah remains in a decadeslong drought. Therefore, proactive water conservation is essential.

— **Stanley Holmes**
Salt Lake City



BETHANY BAKER | The Salt Lake Tribune

Glen Canyon Dam, which creates Lake Powell on the Colorado River, near Page, Ariz., is shown on July 13, 2023.

Deadline for Colorado River negotiations gets bumped up

By ANASTASIA HUFHAM
The Salt Lake Tribune

The rules that have guided Colorado River operations for two decades will expire at the end of 2026. Water negotiators across the West have been hard at work devising a new set of guidelines that will address the effects of climate change, tribal water rights and other key management issues.

Now, they only have until March to propose their plan to the U.S. Department of the Interior.

“Over the next three months, we are going to be frequently meeting and up to our eyeballs in negotiations with the hope and the expectation that we’ll have a proposal to the feds sometime in March,” Amy

Water negotiators must move fast to finalize a proposal for how river should be operated after 2026, which is when current operational guidelines expire.

Haas, executive director of the Colorado River Authority of Utah, told The Salt Lake Tribune.

Water negotiators across the Colorado River Basin originally thought that they’d have until mid-2024 to submit their plan to the Bureau of Reclamation, the agency housed within the Department of the Interior that oversees water projects across the country.

After the states complete their proposal, Reclamation will consider it as one of several

options for managing the Colorado River in future decades.

What will these new guidelines do?

When it comes to devising a plan to manage a river that sustains 40 million people, 30 tribes and many delicate ecosystems, there’s a lot to consider.

Water negotiators from all seven states that make up the Colorado River Basin — Arizona, California, Colorado,

Nevada, New Mexico, Utah and Wyoming — have been working behind closed doors to determine how the two largest reservoirs in the country, Lake Powell and Lake Mead, will serve the region.

The Colorado River’s flows, which fill Lake Powell and Lake Mead, have decreased by 20% since the turn of the century. In the coming decades, water managers have to take the West’s hotter and drier climate into account.

“We’ve got to plan for the variability of hydrology, especially given climate change,” Haas said. “We have to have the tools and the flexibility to operate under a range of conditions. That’s the bottom line.”

Haas said that water

Please see DEADLINE, A5

Deadline

» *Continued from A1*

negotiators are also considering this winter's lack of precipitation in their discussions about the future.

The Upper Basin states (Colorado, New Mexico, Utah and Wyoming) will also have to work with the states of the Lower Basin (Arizona, California and Nevada) to decide how to divide the river's water — and how to conserve it.

The Lower Basin states have already promised to cut their water use by at least 3 million acre-feet through the end of 2026, as part of a separate agreement independent of post-2026 negotiations.

It's also still unclear, at least to the public, how post-2026 operations will include the 30 federally recognized

Native American tribes that call the Colorado River Basin home.

The agency wants to start modeling potential operation plans in April, Haas said, to publish a draft environmental impact statement by the end of 2024.

Environmental impact statements are part of the National Environmental Protection Act (NEPA) process, through which federal agencies examine the environmental effects of a project.

After Reclamation releases a draft environmental impact statement for the Colorado River's post-2026 operations, a public comment period will follow on its heels.

Then, the federal officials will work toward finalizing the environmental impact statement by addressing concerns raised in the public comment period.



FRANCISCO KJOLSETH | The Salt Lake Tribune

A slow start to the winter season keeps snow coverage totals low at Solitude Mountain Resort, with multiple closures of terrain on Sunday. A series of storms expected this week bring hopes of improvement to Utah's winter snowpack.

Here's what the weekend's storms did for Utah's snowpack

By LEIA LARSEN | The Salt Lake Tribune

Utahns celebrated a series of storms that dumped snow statewide over the weekend.

The state still has a ways to go to reach a normal snowpack for this time of year, however, and is nowhere on track to have the record-breaking winter seen last year. A flurry of storms forecasted in the days ahead, however, could bump snowpack in certain basins to depths typical for January.

Data beamed in from the U.S. Natural Resources Conservation Service's SNOTEL sites — weather stations across the state that collect snow data — show Utah's snowpack combined is at 73% of median. None of Utah's hydrologic basins have snow totals near or above average except the Raft River Mountains, which mostly drain into the Snake River and will do little to relieve the state's water shortages.

In the Great Salt Lake's watershed, the Bear River basin and Weber-Ogden basin have the highest snowpack, at 84% and 80% of median, respectively — about the same as before the weekend's snowstorms. Storms over the last few days bumped the Jordan River and Tooele basins into just over 70% of median.

The northeastern Uintas snowpack inched up slightly,

from 63% on Friday to 66% by the end of day Sunday.

One bright spot for the Great Salt Lake remains reservoirs.

Statewide, they are 79% full, excluding Lake Powell and Flaming Gorge, which Utah don't really use apart from recreation. At this time last year, reservoirs sat at 46% full and in a typical year, they are 58% full. That means when warmer temperatures roll around, it'll take less water to top off reservoirs, so more will flow downhill to reach the Great Salt Lake.

Meanwhile, the National Weather Service issued a winter storm warnings and advisories for much of northern Utah, starting at around 8 a.m. Tuesday and ending at 5 a.m. Thursday in most areas.

Basins in southern Utah remain at 70% median snowpack or less. Weekend storms did give parts of the southeast a boost, including the Dirty Devil basin. They went from 59% of median on Friday to 70% by Sunday. Southwest Utah, including the St. George area and the Escalante-Paria basin, remain parched. They started the weekend with snowpack at 41% and 45% of median respectively, but remain in the red at 46% and 48%.

As of last week, the entire Upper Colorado River Basin's snowpack sat at 65% of normal. Lake Powell was 36% full.

How America's diet is feeding the groundwater crisis

By CHRISTOPHER FLAVELLE and SOMINI SENGUPTA

The New York Times

America's striking dietary shift in recent decades, toward far more chicken and cheese, has not only contributed to concerns about American health but has taken a major, undocumented toll on underground water supplies.

The effects are being felt in key agricultural regions nationwide as farmers have drained groundwater to grow animal feed.

In Arkansas for example, where cotton was once king, the land is now ruled by fields of soybeans to feed the chickens, 1 billion or so of them, that have come to dominate the region's economy. And Idaho, long famous for potatoes, is now America's largest producer of alfalfa to feed the cows that supply the state's huge cheese factories.

Today, alfalfa, a particularly water-intensive crop used largely for animal feed, covers 6 million acres of irrigated land, much of it in the driest parts of the American West.

These transformations are tied to the changing American diet. Since the early 1980s, America's per-person cheese consumption has doubled, largely in the form of mozzarella-covered pizza pies. And last year, for the first time, the average American ate 100 pounds of chicken, twice the amount 40 years ago.

It's not just Americans eating more American-made meat and cheese. Exports of poultry and dairy have risen more than tenfold since 1980, thanks to America's farming efficiency, combined with government subsidies and rising demand from countries like China. Exports of animal feed itself have soared, too, industry data shows.

Most of America's irrigated farmland grows crops that don't directly feed humans but instead are used to feed animals or to produce ethanol for fuel. And most of that irrigation water comes from aquifers.

Those crops have expanded into areas that don't have enough water to sustain them, affecting some important aquifers across the country by

contributing to groundwater overuse. Aquifer depletion for animal feed is occurring in places including Texas, the Central Valley of California, the High Plains in Kansas, Arizona and other areas that lack enough water from rivers and streams to irrigate the crops.

Irrigated acreage for corn, about half of which goes toward animal feed, jumped sixfold between 1964 and 2017, federal numbers show. Irrigated acres for soybean, mostly used for animals, has jumped eightfold.

The toll on aquifers, which supply 90% of America's water systems, has been devastating. A New York Times investigation this year revealed that many of those aquifers are being severely overtaxed by agriculture and industry, and that the federal government has left oversight to the states, where tangles of rules are failing to protect those aquifers.

Food choices have long led to debates not only about personal health, but also animal welfare, cultural expectations and the role of government regulations in shaping people's diets. The damage that animal agriculture is doing to fragile aquifers, while less documented, is particularly important: The decline of the aquifers could affect what Americans eat, and potentially become a threat to America's food supply.

DAIRY FARMERS HEAD TO THE DESERT

In the early 1990s, dairy farmers in California found themselves increasingly squeezed by suburban sprawl, rising costs and regulations. Some began looking for a new place to set up shop, and the criteria were simple: Cheap, wide open land. Fewer rules. And access to plenty of water.

For many farmers, the answer was easy.

"We liked Idaho," said Arie Roeloffs, who left California. He opened a dairy farm with his in-laws 100 miles from Boise and is now vice president of the Idaho Dairymen's Association.

Idaho now has about 700,000 dairy cattle, more than any other state save



MATTHEW HAMON | The New York Times

A field of alfalfa, a water-intensive crop used for animal feed, is shown in Buhl, Idaho, in November 2023.

California and Wisconsin. That shift has transformed the countryside. Drive across the high desert of southern Idaho, a mostly barren landscape of pale-brown sagebrush, and you'll find sprawling cattle yards and emerald-green fields of alfalfa, grown to support one of the largest collections of dairy farms and cheese factories in the United States.

The transformation is all the more striking for the harshness of the land. This part of Idaho, where the Snake River curves south and west around the Sawtooth Mountains, gets just 10 inches of rain a year. Pumping groundwater has helped Idaho accommodate the influx of dairy farms and feed crops.

Idahoans call this area the Magic Valley. "You put water to it," said Steve Stuebner, spokesperson for the Idaho Department of Water Resources, "and everything grows."

But more than four-fifths of monitoring wells in Idaho have shown a significant decrease in water levels since 1980, according to data compiled by the Times. Some 79% of monitoring wells hit record lows in the past decade alone. Both figures are the highest in the country.

The interplay between the Snake River and groundwater is complex, and there are several reasons that aquifer levels have been declining in recent decades, including not only overpumping but also changes in the way that farmers irrigate their fields. Nevertheless, today aquifer levels are far below where they were 50 years ago. And they continue to fall.

"We've been using more water than we've been putting back into

the aquifer," said Brian E. Olmstead, a member of the Idaho Water Resource Board and a former farmer. "Everybody thought, this was such a huge resource, we can't ever deplete it."

Since the 1990s, major international cheese producers including Glanbia of Ireland, Lactalis of France and Agropur of Canada have all bought or built processing plants in Idaho. Glanbia has four plants in the state, which use 4.3 billion pounds of milk a year.

In a statement, a spokesperson for Glanbia, Martha Kavanagh, said, "We are very conscious of the significance of the Magic Valley aquifer to our supply chain," adding that the company is working with suppliers to reduce its environmental impact.

Idaho recently joined Wisconsin and California in an elite club: States that produce at least 1 billion pounds of cheese annually. If all the cheese made in Idaho were eaten in Idaho, the average Idahoan would need to consume more than 500 pounds a year.

As the dairy industry has exploded through the Magic Valley, "it's changed the crop rotation from low-water-use crops to high-water-use crops," said Dean Stevenson, a farmer and member of the Idaho Water Resource Board.

When asked about the dairy industry's role in groundwater overuse, Rick Nearabout, CEO of the Idaho Dairymen's Association, said his industry wasn't Idaho's only source of demand for alfalfa. Some is fed to beef cattle and some is exported.

He also said there were economic arguments for Idaho having a large dairy industry. The state's relatively

temperate climate is more comfortable for cows than places like Wisconsin, a fact that reduces costs because cattle can be kept in open lots instead of barns.

THE CHICKEN INDUSTRIAL COMPLEX

Arkansas is America's chicken headquarters.

It is home to the world's biggest chicken company, Tyson, and also to thousands of producers that get baby chicks and feed from Tyson and fatten them up for Tyson to turn into chicken breasts, chicken nuggets and chicken patties.

Overall, chickens are the state's largest agricultural commodity, valued at an estimated \$6.3 billion last year, more than double the value just a decade ago.

As a result, soybean acres have soared over the decades, becoming the state's largest row crop, nearly all grown on land irrigated with groundwater. Corn acreage has increased as well, also using groundwater. Taken together, corn, soybean and water for poultry operations account for more than half the state's water use. Then there's the state's most famous crop: rice, also grown with groundwater.

That has stressed what was once a bountiful aquifer.

In fact, when Scott Matthews' ancestors settled here a century ago, there was so much water under the ground that you could drive a pipe into the earth and strike water.

No more. He now describes the area as "ground zero" of the state's groundwater woes. "Our aquifer is slowly depleting every year," he said. "It's going away." Almost two-thirds of the state's aquifer-monitoring wells show a decrease in water levels since 1980, one of the worst rates in the country.

This part of the Mississippi River Valley is not a dry, arid place. It rains plenty, but in winter. Not when the crops need it. Rivers lace the land, but farms have popped up far from rivers.

So, farmers have long relied on the shallow Alluvial Aquifer for water in the scorching summers. They've flooded rice fields some years, rotated with corn and soy the following years. It adds up to hundreds of gallons of water used to produce each grocery-store rotisserie bird. Although beef remains the most water-intensive meat, the huge increase in consumption of less expensive chicken contributes to the high water intensity of the American diet.

'No single solution will cure the lake,' Great Salt Lake strike team report says

By BEN WINSLOW | FOX 13

A major new report prepared for Utah political leaders by state agencies and research universities concludes that "no single solution" will cure the Great Salt Lake's woes, but recommends a series of measures to prevent an ecological catastrophe.

The report, released Wednesday, was conducted by the "Great Salt Lake Strike Team." It's made up of state natural resources agencies and researchers from Utah State University and the University of Utah. It is separate from a report prepared by the newly-appointed Great Salt Lake Commissioner who made similar recommendations to policymakers.

"The 2023 water year contributed a significant amount of water to the Great Salt Lake Basin. Paired with emergency measures like raising the adaptive management berm, the daily elevation of the south arm of the lake rose 5.5 feet. Evaporation reduced 2023 water gains by 2.0 feet, resulting in a net elevation increase of 3.5 feet," the strike team's report said.

There is a lot of positive news in the strike team's report. Even though this winter doesn't offer the same amount of snowpack (recent storms notwithstanding), Utah's reservoirs are fuller now than previous years. Groundwater levels are also higher. That means any water that does come in is more likely to go downstream and into the Great Salt Lake. The salinity of the Great Salt Lake is also more healthy because of higher inflows and raising the berm between the north and south arms of the lake.

When it comes to human water use, things are also looking steady. Agriculture still remains the top water user in Utah, but it remains "relatively constant" since 1989, the report said. Not surprisingly with Utah's growth, municipal and industrial use of water has increased

over the same time period. Water use tied to the Great Salt Lake's lucrative mineral extraction industries has actually decreased since 2007, the report said.

But trends are not good. "Cutting-edge climate models project that over the long term, expected increases in precipitation will be overwhelmed by rising temperature and evaporation, creating further challenges for the lake," the report said.

The Great Salt Lake dropped to its lowest levels in recorded history in 2022. It is a result of water diversion, drought and a changing climate.

"The biggest part by far however is human water use and human water diversion. That's an opportunity because that tells us the future of lake levels is largely in our hands," said Dr. William Anderegg of the University of Utah's Wilkes Center for Climate Science and Policy, who co-chairs the strike force.

It has alarmed the public and policymakers alike because of the environmental crisis it presents that impacts public health, wildlife and the economy. There's naturally-occurring toxins in the exposed lake bed (and windy days blow that dust into populated areas along the Wasatch Front); reduced snowpack that impacts everything from water supply to the ski industry; and impacts to public health and critical wildlands. The Great Salt Lake is a critical refuge for millions of migratory birds.

Utah leaders have worked to reverse its declines, passing a series of bills and spending over \$1 billion on water conservation measures. But politicians have faced a lot of criticism from the public that not enough is being done to save the lake.

On Wednesday, a coalition of health care workers sent a letter to the Utah State Legislature urging more action.

"Almost 400 physicians and some



The Great Salt Lake Marina was measured on Wednesday at 4,193 feet. A report by Great Salt Lake Strike Team — made up of state natural resources agencies and researchers from Utah State University and the University of Utah — made recommendations for inflow volume required to fill and maintain the lake.

FRANCISCO KJOLSETH
The Salt Lake Tribune

other medical professionals to send a dire plea to the state legislature to do more to save Great Salt Lake," said Dr. Courtney Henley with Utah Physicians for a Healthy Environment.

Dr. Henley said she had hope political leaders would do more, but she worried it would not be quickly enough to avoid health impacts from toxic dust.

Environmental groups are suing Utah for not taking drastic enough measures to ensure the Great Salt Lake gets water. Many of them are planning a public rally on Jan. 20 at the Utah State Capitol to pressure elected leaders to do more. On Wednesday, dozens of people showed up to the Capitol to protest maneuvers by Utah political leaders to expand sites for the inland port project (a series of import-export centers designed to get goods through the state), which they say are encroaching too close to critical wetland habitats along the Great Salt Lake.

"The state is choosing to engage in this industrial development on the shores of Great Salt Lake that will destroy up to 50,000 acres of wetlands," Deeda Seed with the Center for Biological Diversity told FOX 13 News.

FOX 13 News recently reported on some legislation to be introduced in the upcoming session of the Utah State Legislature that would address some of the solutions identified in Wednesday's

strike team report. For example, "water shepherding," which ensures that water that is conserved actually gets to the Great Salt Lake. Another piece of legislation would pay agriculture producers for water they don't use to go downstream into the lake.

"Water conservation efforts are ineffective for Great Salt Lake if that conserved water does not reach it. Established efforts must be augmented to make residential, business, and agricultural conservation meaningful solutions," the strike team's report said.

That has been a problem. A recent investigation by the Great Salt Lake Collaborative (of which FOX 13 News is a member) found that while Utah lawmakers have spent hundreds of millions of taxpayer dollars to get farmers and ranchers to switch to water-saving technologies that will help with water conservation, the state of Utah can't track whether that saved water is actually getting to the lake. An audit prepared for legislators also backed up that reporting.

Another recommendation in Wednesday's report? Better measurement systems and setting a "healthy range" of a lake level to work toward (something the legislature rejected in last year's legislative session).

"Restoring Great Salt Lake to a healthy range involves filling the lake to a healthy level and then maintaining that level. The

Division of Forestry, Fire and State Lands has created an elevation matrix that shows healthy ranges for a variety of competing interests. The Strike Team has made estimates as an aid to decision-makers of the inflow volume required to fill and maintain the lake at an elevation of 4,198 over four different time periods," the report said.

On Wednesday morning, the Great Salt Lake level as measured at the marina near Saltair was 4,193 feet.

Earlier this week, House Speaker Mike Schultz, R-Hooper, vowed they would not give up on the Great Salt Lake.

"I'm very passionate about the Great Salt Lake," he said in response to a question from an audience member at an event put on by the Utah Taxpayers Association. Speaker Schultz advocated for solutions to get more water into the lake and further conservation.

"We need to continue to work, put policies in place," he told the crowd. "The Great Salt Lake? We will not let it dry up."

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.

Will Utah get GSL to healthy level before 2034 Olympics?

The 2002 Winter Games marks the last time the lake's elevation hovered in the safe zone.

By **LEIA LARSEN** | *The Salt Lake Tribune*

The Great Salt Lake remains in a dangerous place, but experts say with a lot of effort, its water can rise to a healthy elevation in 10 years — just time for Utah to host the 2034 Olympics.

Members of the Great Salt Lake Strike Team floated it as a possible target during a data and policy update presentation on Wednesday. The University of Utah and Utah State University formed the team to provide information and suggestions to help Utah's struggling lake rebound.

"The Olympics are this extraordinary window of opportunity," said Bill Anderegg, a co-chair of the strike team and director of the Wilkes Center for Climate Science and Policy at the University of Utah. "We have this 10-year period, to show the world how to conserve water, how to manage a terminal lake, and how to really work together to prosper in a dry climate."

The International Olympic Committee named Salt Lake City its preferred host for



RYAN GALBRAITH | *The Salt Lake Tribune*

The Olympic torch travels across the Great Salt Lake in 2002. Experts say that with effort the water level can be restored to a healthy level in time for the 2034 Olympics.

the 2034 Winter Olympics and Paralympics late last year. And as visitors from around the world descend upon Utah for the Games a decade from now, one of the first things they'll see is the Great Salt Lake as they

land in the Salt Lake City International Airport, Anderegg noted.

"This is a motivator and a huge opportunity for the state," he said. "We can be a

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Great Salt Lake

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world leader.”

The Department of Natural Resources has developed an elevation matrix for the Great Salt Lake identifying its healthy range — when islands are islands again, salinity levels help brine shrimp and brine flies thrive, bird habitat is abundant — but the water is not so high that it causes the flooding and havoc seen in the 1980s. That sweet spot lies between 4,198 and 4,205 feet above sea level.

The last time the lake reached an average annual elevation above 4,198 feet was 2002 — the same year Salt Lake City last hosted the Winter Games. The lake came close to the healthy range in 2012, but didn’t quite make it over 4,198.

Today, the south half of the Great Salt Lake sits at 4,192.5 feet and the north half is at 4,189.5. A rock-filled railroad causeway bisecting the lake restricts water from flowing north, which means the elevations in the different halves sometimes vary. State resource managers filled in a breach through that causeway in 2022 to stave off rising salinity levels in the fresher southern half, which has made those elevation differences much more pronounced.

To get both sections of the lake back to 4,198 feet — the minimum healthy elevation — Utahns would have to adopt “highly aggressive” conservation measures, a strike team summary report notes. That means

cutting human water consumption in the Great Salt Lake watershed from agriculture, homes, businesses and industry by 1.3 million acre-feet a year in dry years and 705,000 acre-feet in normal water years.

An acre-foot is about enough water to supply two households annually.

Farming currently depletes about 1.5 million acre-feet a year in the Great Salt Lake basin. Municipal and industrial uses deplete about 375,000 acre-feet. Mineral extraction on the lake depletes about 165,000 acre-feet and evaporation from reservoirs results in 28,000 acre-feet of losses, the strike team reports.

“Keep in mind that the eyes of the world are going to be upon us as we do this effort,” said Brian Steed, a strike team co-chair and Great Salt Lake Commissioner. “The better we do on Great Salt Lake in the shorter term, the better story we can tell when it comes to things like the Olympics.”

While Steed said the conservation needed to get the lake back to the healthy range is “a tall order,” strike team members will release more policy ideas in the coming weeks to help Utahns and Utah lawmakers figure out how to get there.

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Lawmakers still think pipeline will help save the Great Salt Lake

By **LEIA LARSEN** | *The Salt Lake Tribune*

As lawmakers contemplate how to spend billions in taxpayer dollars this year, the Great Salt Lake commissioner made his case to keep investing in Utah's imperiled lake for decades to come.

The Great Salt Lake Strategic Plan became public earlier this month, outlining a 30-year effort to get the lake back to a sustainable level. The lake currently sits about 5.5 to 8 feet lower than its minimum healthy elevation, and it hasn't reached the healthy zone since 2002. Brian Steed, the lake commissioner, said it is possible to get the lake back off life support, but it's going to take time, money and a lot of water conservation. And 2023's big runoff wasn't nearly enough to get there.

"It's a pretty small blip in where the lake has been," said Steed, "and where the lake probably should be."

While lawmakers rejected the idea of setting a target elevation for the Great Salt Lake last year, Steed's report notes the ideal range for the lake's ecosystem and the people who depend on it lies between 4,198 and 4,205 feet above sea level. His strategic plan aims to hit at least 4,198 feet. It also largely leans on and expands policies lawmakers

Please see **PIPELINE, A5**



RICK EGAN | *The Salt Lake Tribune*

A railroad causeway divides two halves of the Great Salt Lake.

Pipeline

■ Continued from A1

have already approved to rescue the lake.

Aspects of the Great Salt Lake — including its water quality, lakebed, wildlife and recreational assets — are managed by nearly a dozen state departments and divisions, along with five federal agencies. Its biggest tributary, the Bear River, flows through three different states. Steed said he intends to spend the next year working with all those interests, agencies and resource managers to better coordinate the lake's recovery. He also will move forward with previously approved legislative mandates to monitor water quality and lakebed dust.

Dust, as Steed's report points out, is particularly problematic. Dust poses a public health risk and also accelerates snowmelt, and scientists measured the most dust in the Wasatch Mountains on record in 2022. It melted snow 17 days earlier than normal.

The Office of Legislative Audit General, Steed noted, recently listed dust pollution as one of Utah's critical vulnerabilities. It estimated it would take at least \$15 billion to keep down the Great Salt Lake's dust, along with \$15 million each year for ongoing maintenance.

"That's something that's within the realm of possibility," Steed said, "based on what we've seen in other terminal lakes around the country."

Over the next five years, Steed said he intends to work with state agencies to develop a pilot program for dust control. He said he also will work on implementing the Great Salt Lake Basin Integrated Management Plan, or GSL-BIP, a water budget for the watershed that is still in the works. He also will strengthen existing programs that allow water leasing and banking.

Lawmakers invested more than \$250 million in both secondary metering for municipal water using and water optimization upgrades for agricultural irrigators. Steed said he plans to better monitor water conserved through those programs and track where it's going.

"In both those cases, we probably now need to quantify how much water is being saved," Steed said, "as well as examine opportunities for putting that water in places where it needs to be."

With those policies in place, Steed said it's possible to get the lake back to an elevation where its islands become islands again, 800 square miles of lakebed are no longer exposed, industry thrives, and salinity levels support brine shrimp, brine flies and migrating birds. But it will still take a massive conservation effort for those living and working in the Great Salt Lake basin.

The strategic plan estimates it will take 1 million acre-feet of extra water each year in times of drought for the Great Salt Lake to get back to health within 30 years, and 471,000 acre-feet in normal years. For context, all agriculture in the watershed uses about 1.3 million acre-feet a year. All the cities, businesses and industry combined use about 375,000 acre-feet each year.

Why some lawmakers still want to import water to save Great Salt Lake

Sen. Scott Sandall, R-Tremonton, said he worried the Great Salt Lake watershed could become so efficient with conservation that it

backfires.

"If we harden our system through conservation, we will be short-sighted completely," Sandall said, "because when we do hit a drought, a really nasty drought the next time around, we don't have anywhere to pull from to get water into the taps of our citizens."

The senator encouraged Steed to work with other states to find ways to import water from other basins to augment the Great Salt Lake's supply.

"It concerns me when I see people that just say, 'We've got to get water to the Great Salt Lake,'" Sandall said. "But then they turn around and they're opposed to any kind of a pipe or any kind of transfer system that will accomplish that."

As the lake hit record lows in 2021 and 2022, lawmakers floated the idea of a pipeline to the Pacific Ocean. A study by Brigham Young University found the proposal would cost at least \$300 million a year, require the equivalent of 11% of Utah's electricity demand, produce more emissions than 200,000 cars, and still only provide one-third of the water the Great Salt Lake needs.

Steed's strategic plan does note water imports as a possible long-term solution worth exploring. It proposes the Snake River, Missouri River and Mississippi River watersheds as other potential sources. But, the report warns, for any proposal to realistically secure water for a sustainable lake, it will have to clear all kinds of environmental, economic, technical, political and legal hurdles.

"You're right, there's the potential of hardening the system through conservation," Steed said in response to Sandall's comments. "The good news is we're a long ways away from that yet, so we have a lot of areas where we can still improve."

Rep. Phil Lyman, R-Blanding, also asked whether forest management could generate more water for the lake.

"We are held hostage in Utah by the federal government," Lyman said, "who seems intent on letting the forest just degrade and go downhill in Utah."

Last year, Lyman's conservative Yellow Cake Caucus promoted the idea that logging Utah's forests, instead of water conservation, would produce enough water to solve the Great Salt Lake's problems. The Great Salt Lake Strike Team delayed their report to lawmakers to specifically debunk that claim.

Steed is a co-chair of the strike team through his other position as executive director of the Janet Quinney Lawson Institute for Land, Water and Air at Utah State University.

"We're actually reviewing the science on that," Steed told Lyman. "And what we have available, there is a lot of conflicting reports out there."

While it's worth investing in forest management to address wildfire danger, Steed said, the Great Salt Lake plan focuses on strategies with known benefits — like removing invasive, water-guzzling phragmites that plague the lake's wetlands.

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