

Tab 2

Metropolitan Water District of Salt Lake & Sandy
Board Meeting Information
Last Update: January 9, 2024

Agenda Item: Consider approval of contract for pipe preorder for SLAR-CC Project (CC-1 West)

Objective: Preorder pipe for the Cottonwoods Conduit Reach 1 (CC-1) West portion of the Cottonwoods Connection project.

Background: The Salt Lake Aqueduct Replacement – Cottonwoods Conduits project (SLAR-CC or Cottonwoods Connection) includes more than 21,000 feet of new pipe ranging from 36 to 72 inches in diameter. The project began advertisement on January 4, 2024 and will close February 5, 2024. Recommendation of award is expected at the February 27, 2024 board meeting.

The pipe supplier preselection was approved by the board on October 16, 2023. The project team is working with the supplier on shop drawings. Once shop drawings are approved, the supplier reports a lead time of approximately 20 weeks from order until delivery, consisting of 8 weeks to procure material and 12 weeks to fabricate the pipe.

Staff ordered 1,447 feet of pipe for CC-1 East following board approval on December 11, 2023. This pipe must be installed before June 30, 2024 due to a UDOT resurfacing project. It is anticipated this pipe will be received in late April 2024. The contractor is obligated to install CC-1 East before June 30, 2024.

Upon further coordination with the pipe supplier, project engineer, and Salt Lake City, the project team desires to preorder 3,116 feet of pipe for CC-1 West. The cost of this pipe is \$913,875. Preorder will avoid potential construction delays in summer 2024.

As with the CC-1 East pipe, although the District is ordering the pipe, receipt and payment will be handled by the selected contractor. If the project is not awarded, or award is delayed until after the pipe is delivered, then the District will be responsible for receiving, storing, and paying for the pipe. As the pipe is for Salt Lake City's CC-1 West, Salt Lake City has agreed to reimburse the District should this situation occur.

Committee Activity: The Engineering Committee discussed this item on January 9, 2024.

Recommendation: The Engineering Committee forwards a positive recommendation to the board for award of \$913,875 to Thompson Pipe Group for 3,116 feet of pipe for the CC-1 West portion of the SLAR-CC project.

Metropolitan Water District of Salt Lake & Sandy
Board Meeting Information
Last Update: January 9, 2024

Agenda Item: Consider approval of Reuse Authorization Contract for the reuse of Central Utah Project Water

Objective: Consent to the Reuse of Bonneville Unit Project Water and Utah Lake System Project Water

Background: Salt Lake City (SLC) owns and operates a waste water treatment plant that discharges treated effluent into the Jordan River. At least a portion of the water treated by SLC originates from the Central Utah Project, Bonneville Unit and the Utah Lake Drainage Basin Water Delivery System (Project Water).

SLC and Central Utah Water Conservancy District (CUWCD) desire to capture and distribute the Project Water to benefit the Great Salt Lake. This arrangement requires approval by SLC, CUWCD, the Bureau of Reclamation, and the Metropolitan Water District of Salt Lake & Sandy. Roles for each party are outlined in Exhibit A of the attached Reuse Authorization Contract for the reuse of Central Utah Project Water.

Committee Activity: The Engineering Committee discussed this item on January 9, 2024.

Recommendation: The Engineering Committee forwards a positive recommendation to the board to enter into the Reuse Authorization Contract.

Attachment:

- Reuse Authorization Contract

REUSE AUTHORIZATION CONTRACT
for the reuse of
CENTRAL UTAH PROJECT WATER

THIS REUSE AUTHORIZATION CONTRACT (“Contract”) is made and entered into effective this ___ day of _____, 2024 (“the Effective Date”) pursuant to the Reclamation Act (Act of June 17, 1902, 32 Stat. 388), and Acts amendatory thereof or supplementary thereto, particularly, the Reclamation Project Act of 1939 (Act of August 4, 1939, 53 Stat. 1187), and the Central Utah Project Completion Act (Act of October 30, 1992, P.L. 102-575, 106 Stat. 4600), as amended (collectively referred to as “Reclamation Law”), in accordance with the Utah Wastewater Reuse Act, Utah Code Ann. §73-3c-101, *et seq.* (“U.C.A.”), 1953, as amended (“Reuse Act”), by and between the parties set forth below (collectively the “Parties”) to satisfy the reuse authorization contract requirement of the Reuse Act for a wastewater reuse facility and distribution system in the south end of Salt Lake Valley.

PARTIES

The Parties to this Contract include Central Utah Water Conservancy District, a Utah special district (“Central”); Metropolitan Water District of Salt Lake & Sandy, a Utah special district (“MWDSLs”); Salt Lake City, a Utah municipality (“Salt Lake”); United States Department of the Interior, Bureau of Reclamation, an agency of the United States of America (“Reclamation”); United States Department of the Interior, Central Utah Project Completion Act Office, the Secretary of Interior’s program office for oversight of P.L. 102-575 (“CUPCA”) (Reclamation and CUPCA are collectively referred to as “United States”).

These Parties are those required for a Reuse Authorization Contract under U.C.A. § 73-3c-102(7)(a) (see Exhibit A attached hereto).

RECITALS

- A. WHEREAS, Central and the United States, acting through the Bureau of Reclamation, entered into a Repayment Contract No. 14-06-400-4286, dated December 28, 1965, as supplemented and amended, and particularly the supplement of November 26, 1985 (“Repayment Contract”); and the United States and Central entered into Repayment Contract No. 04-WC-40-120 (“ULS Repayment Contract”), collectively (“Repayment Contracts”); and
- B. WHEREAS, (“BU Project Water”) is defined as all Central Utah Project, Bonneville Unit water made available from, through or by means of all previously constructed and completed works and facilities of the Central Utah Project, Bonneville Unit and all new works or facilities to be constructed as a part of the Utah Lake Drainage Basin Water Delivery System including the municipal and industrial water made available by the ULS Repayment Contract, which is separately defined as (“ULS Project Water”).
- C. WHEREAS, MWDSLS entered into an M&I Petition, Contract No. 40-WC-40-150 for use of BU Project Water from the M&I System of the Bonneville Unit, and MWDSLS also entered into an M&I Petition, Contract No. 04-WC-40-150 for use of ULS Project water. Most or all of the BU Project Water and ULS Project Water provided to MWDSLS is treated and provided by MWDSLS to Salt Lake; and
- D. WHEREAS, Salt Lake owns and operates a waste water treatment plant that discharges at the bottom end of the Jordan River (“Treatment Plant”); and

- E. WHEREAS, the Parties propose reusing treated effluent from the Treatment Plant (“Reuse Water”) originating from BU Project Water and ULS Project Water diverted and delivered under water rights held in the name of the United States for the benefit of the Central Utah Project, Bonneville Unit to allocate and distribute the Reuse Water to benefit the Great Salt Lake in accordance with the terms of the Reuse Act (“Reuse Project”); and
- F. WHEREAS, the United States and Central are required to comply with the requirements of the National Environmental Policy Act (“NEPA”) of 1969 and have worked together to produce a Categorical Exclusion checklist for the Reuse Project in compliance with NEPA; and
- G. WHEREAS, Section 207 of the CUPCA establishes certain conservation goals and established processes for conservation goals. This reused BU Project Water and ULS Project Water will be used towards those goals; and
- H. WHEREAS, the water rights identified for use in the Reuse Project are Water Right 55-4494 and Water Right 43-3822, which are held in the name of the United States for the benefit of the Central Utah Project, Bonneville Unit (“Reuse Water Rights”) and distributed by Central pursuant to the Repayment Contracts and accepted petitions and
- I. WHEREAS, the purpose of this Contract is to satisfy the reuse authorization requirement of the Reuse Act.

AGREEMENT

NOW THEREFORE, in consideration of the foregoing, the mutual covenants contained herein, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Parties agree as follows:

1. Consent to the Reuse of BU Project Water and ULS Project Water.

The Parties agree that this Reuse Project is appropriate, and the Reuse Water can be used to meet the conservation goals as set forth in Section 207 of CUPCA. Therefore, consent is hereby given by the Parties to the use of the Reuse Water Rights in accordance with U.C.A. § 73-3c-102(7)(b)(i); The Parties agree that the Reuse Project is consistent with the underlying Reuse Water Rights which have been delivered to Central's customers for M&I use.

2. Cooperation.

The Parties agree to act reasonably to provide the necessary services and to cooperate fully to fulfill, the purposes of this Contract to the extent permitted by applicable state, federal, and local law, including but not limited to Reclamation Law; and

3. Water Shortages.

There may occur at time during any year a shortage in the quantity of water available for furnishing to Central through and by means of the Reuse Project, but in no event shall any liability accrue against the United States or Central or any of their officer, agents, or employees for any damage, direct or indirect, arising from a shortage, on account of errors in operation, drought, or any other causes.

4. Term.

In view of this Contract being tied to the return flows of Project Water, this Contract will automatically terminate if the contracts that supply BU Project Water to MWDSLS are terminated.

5. Compliance with Law.

The Parties will comply with all applicable federal, state and local laws, ordinances, rules and regulations.

6. No Relationship.

Nothing in this Contract will be construed to create any partnership, joint venture, or fiduciary relationship between the Parties.

7. Contingent Upon Appropriation or Allotment of Funds.

The expenditure or advance of any money or the performance of any obligation of the United States under this Contract shall be contingent upon appropriation or allotment of funds. Absence of appropriation or allotment of funds shall not relieve the Parties from any obligations under this Contract. No liability shall accrue to the United States in case funds are not appropriated or allotted.

8. Officials Not to Benefit.

No Member of or Delegate to the Congress, Resident Commissioner, or official of Central shall benefit from this Contract other than as a water user or landowner in the same manner as other water users or landowners.

9. Drafting Party.

This Contract has been and will be deemed to be a product of joint drafting by the Parties and there will be no presumption otherwise.

10. Assignment Limited – Successors and Assigns Obligated.

The provisions of this Contract shall apply to and bind the successors and assigns of the Parties hereto, but no assignment or transfer of this Contract or any right or interest therein by either Party shall be valid until approved in writing by the other Party.

11. Severability.

If any portion of the Contract is held to be unenforceable, the remaining provisions hereof will continue in full force and effect.

12. Integration.

This Contract and any exhibits hereto constitute the entire agreement between the Parties hereto pertaining to the subject matter hereof, and the final, complete and exclusive expression of the terms and conditions thereof.

13. Scope.

The Parties do not intend to confer any benefit hereunder on any person, firm, third party beneficiary, or corporation other than the Parties hereto.

14. Notices.

All notices required or desired to be given hereunder will be in writing and will be deemed to have been given on the date of personal service upon the Party for whom intended or if mailed, by certified mail, return receipt requested, postage prepaid, and addressed to the Parties at the following addresses:

Salt Lake City To: Director
 Salt Lake City Department of Public Utilities
 1530 S West Temple
 Salt Lake City, UT 84115
 Phone: 801-483-6770

Central To: General Manager
 Central Utah Water Conservancy District
 1426 East 750 North, Suite 400
 Orem, UT 84087
 Phone: 801-226-7100
 Email: gene@cuwcd.gov

United States

To: Program Director
CUP Completion Act Office
302 East Lakeview Parkway
Provo, Utah 84606

MWDSLS

To: General Manager
Metropolitan Water District of Salt Lake & Sandy
3430 East Danish Road
Cottonwood Heights, UT 84093
Phone: 801-942-1391

15. No Waiver.

Any Party's failure to enforce any provision of the Contract will not constitute a waiver of the right to enforce such provision. The provisions may be waived only in a writing by the Party intended to be benefited by the provisions and a waiver by a Party of a breach hereunder by the other Party will not be construed as a waiver of any succeeding breach of the same or other provisions.

16. Counterparts.

This Contract may be executed in one or more counterparts, each of which will be deemed an original, but all of which together will constitute one instrument and one agreement.

17. Filing of Agreement.

Executed copies of this Contract will be deposited with and remain in the office of each of the Parties during the effective term hereof.

18. Headings and Captions.

The headings in this Contract are inserted for convenience and identification only and are in no way intended to describe, interpret, define, or limit the scope, extent, or intent of this Contract or any provision.

IN WITNESS WHEREOF, the parties have executed this Contract on the date first written above:

Salt Lake City

(printed name & title)

Attest:

(printed name & title)

Approved as to form:

Attorney for Salt Lake City

Central Utah Water Conservancy District

(printed name & title)

Attest:

(printed name & title)

Approved as to form:

Attorney for Central Utah Water
Conservancy District

**United States Department of the Interior,
Central Utah Project Completion Act
Office**

(printed name & title)

Attest:

(printed name & title)

Approved as to form:

Intermountain Region
Office of the Solicitor

**Metropolitan Water District of Salt Lake
& Sandy**

(printed name & title)

Attest:

(printed name & title)

Approved as to form:

Attorney for Metropolitan Water District of Salt Lake & Sandy

EXHIBIT A

Roles of the Parties under the Reuse Act.

The Reuse Act identifies in U.C.A. § 73-3c-102(7)(a) various parties and roles of participants to a reuse authorization contract. The roles of each of the Parties are as follows:

- a. The United States is an entity that holds title to a water right designated for use in the Reuse Project (U.C.A. § 73-3c-102(7)(a)(iv)).
- b. Central has the right to market and allot the Project Water and to use BU Project Works to deliver such Project Water for use by Central's customers and contract holders. Central also has the right to sell or deliver water under water rights designated for the Reuse Project but does not hold title to some of the water rights designated for use in the Reuse Project (U.C.A. § 73-3c-102(7)(a)(v)).
- c. Salt Lake is the public agency proposing this Reuse Project (U.C.A. § 73-3c-102(7)(a)(i), is a water supplier not holding title to the water right designated for use in the Reuse Project but sells or delivers water under the water right designated for use in the Reuse Project (U.C.A. § 73-3c-102(7)(a)(v)) and is also a supplier of the Reuse Water being made available through the Reuse Project (U.C.A. § 73-3c-102(7)(a)(vi)), and is the owner or operator of the Treatment Plant that will be used to treat the wastewater proposed for use in the Reuse Project (U.C.A. § 73-3c-102(7)(a)(ii)).
- d. MWDSL is a water supplier not holding title to the water right designated for use in the Reuse Project but sells or delivers water under the water right designated for use in the Reuse Project (U.C.A. § 73-3c-102(7)(a)(v)).

Metropolitan Water District of Salt Lake & Sandy
FY2024 CAPITAL PROJECTS REPORT
January 2024

Last updated: January 11, 2024

Routine Non-Capacity Improvement Projects

SCS Hardware and Software Replacement Project (LC067)

Purpose: Replace and update security control system hardware at LCWTP and POMWTP.

Update: The contractor continues to work on punch list items. The primary effort is to resolve nuisance alarms in the system and work progresses weekly.

District Project Manager:	Darin Klemin	
Design Engineer / Contractor:	Avtec	
Final Completion Date:	June 30, 2024	
Project Budget:	\$600,000.00	
Contract Amount:	\$584,126.40	
Change Orders / Percent:	\$0.00 / 0.0%	
	FY23	FY24
FY Budget:	\$600,000.00	\$100,000.00
Spent to Date:	\$409,529.29	\$0.00
District Purchases:	\$4,813.50	\$0.00
Expenses to Date / Percent Spent:	\$414,342.79 / 69.1%	

LCC Replacement and Intake Modifications

Purpose: Replace the raw water Little Cottonwood Conduit and modify the lower intake structure. This is a multi-year project (through FY2026).

Update: A seismic level-of-service meeting was held on November 20, 2023. Geotechnical exploration is in progress. We are coordinating with property owners. The consultant is finalizing the preferred alignment.

District Project Manager:	Gardner Olson
Design Engineer:	Bowen Collins & Assoc.
Preliminary Design Completion Date:	June 30, 2024
FY2024 Budget:	\$200,000.00
FY2024 Contract Amount:	\$200,000.00
Change Orders / Percent:	\$0.00 / 0.0%
Spent to Date:	\$76,929.10
District Purchases:	\$0.00
FY2024 Expenses to Date / Percent Spent:	\$76,929.10 / 38.5%

POMWTP PC/S Hardware Replacement Project

Purpose: Replace and update Process Control / SCADA system hardware at POMWTP.

Update: Equipment is on order. This is the second year of a two-year project.

District Project Manager:	Gardner Olson	
Design Engineer / Contractor:	SKM	
Final Completion Date:	June 30, 2024	
	FY23	FY24
FY Budget:	\$200,000.00	\$250,000.00
Contract Amount:	\$182,358.73	\$207,888.80
Change Orders / Percent:	\$0.00 / 0.0%	\$0.00 / 0.0%
Spent to Date:	\$156,665.00	\$0.00
District Purchases:	\$4,813.50	\$265.00
Expenses to Date / Percent Spent:	\$156,930.00 / 34.9%	

Fleet Program Replacement:

Purpose: Purchase two trucks and two SUVs.

Update: Two trucks were received in August 2023. A utility van was received in November 2023. An SUV was received in December 2023.

District Project Manager:	Michael Carter
Project Budget:	\$200,000.00
Project Spent to date:	\$176,855.33 / 88.4%

Little Dell Dam Improvements:

Purpose: Salt Lake City plans to replace a control panel in FY24.

Update: Design is underway with anticipated bid advertisement in 2024.

District Project Manager:	Bernard Mo, SLCDPU
Project Budget:	\$400,000.00
Project Spent to date:	\$0.00 / 0.0%

Repair and Replace

LCWTP Ozone Control Valve Replacement

Purpose: Control valves on the LCWTP ozone system were inspected in 2021. The valves are wearing from use, with five of the eleven valves identified for replacement over the next four years, beginning with ozone destruct.

Update: The control valve is on order.

District Project Manager:	Gardner Olson
Project Budget:	\$12,000.00
Project Spent to date:	\$0.00 / 0.0%

LCWTP Update Fuel Tank and Dispenser Monitoring Hardware

Purpose: The District's fuel tank and dispenser monitoring hardware was installed in 2011. The equipment is at the end of its life and the software is no longer supported. This project will replace both with a more current, reliable, and supported system.

Update: Staff plans to prepare an RFP to procure this item.

District Project Manager:	Michael Carter
Contractor:	TBD
Final Completion Date:	June 30, 2024
Project Budget:	\$65,000.00
Contract Amount:	TBD
Project Spent to date:	\$0.00 / 0.0%

LCWTP Flash Mix Replacement

Purpose: The LCWTP flash mixers introduce and mix chemical into water upstream of flocculation. One flash mix gear box was replaced in FY23. The second will be replaced in FY24.

Update: The equipment is on order.

District Project Manager:	Andy Reidling
Project Budget:	\$50,000.00
Project Spent to date:	\$0.00 / 0.0%

POMFWP RVSS Replacement

Purpose: The Point of the Mountain Finished Water Pump Station has five pumps - two pumps are operated with variable frequency drives (VFD) and three with reduced-voltage soft starts (RVSS). The equipment has reached the end of its design life and is experiencing increased maintenance and operation issues. One RVSS was replaced in FY22 and the two VFDs were replaced in FY23. An RVSS is being replaced in FY24. Staff plans to replace the final RVSS in FY25.

Update: Installation was completed in November 2023; testing is anticipated in January 2024.

District Project Manager:	Scot Collier
Contractor:	EMC
Final Completion Date:	June 30, 2024
Project Budget:	\$110,000.00
Contract Amount:	\$87,285.16.00
Spent to Date:	\$0.00
Other Costs:	\$1,085.55
Project Spent to date:	\$1,085.55 / 1.0%

CCTV Hardware Replacement

Purpose: The District's closed circuit television (CCTV) security system is 20 years old at LCWTP and 14 years old at POMWTP. The equipment has exceeded its expected life and is no longer supported by the manufacturer. The remaining two years of this project will split camera replacement at POMWTP.

Update: Equipment is on order.

District Project Manager:	Brian Pehrson
Contractor:	Avtec
Final Completion Date:	June 30, 2024
Budget:	\$130,000.00
Contract Amount:	\$116,836.02
Change Orders / Percent:	\$0.00 / 0/0%
Spent to Date:	\$0.00
District Purchases:	\$0.00
Project Spent to Date:	\$0.00 / 0.0%

UPS Replacement

Purpose: Two UPS systems at the LCWTP are scheduled for replacement.

Update: The UPS systems were received in December 2023.

District Project Manager:	Scot Collier
Project Budget:	\$60,000.00
Project Spent to date / Percent Spent:	\$37,891.06 / 63.2%

Lab Equipment Replacement

Purpose: The lab department requires replacement of an organics laboratory dishwasher, auto titrator, microscope, and inductively coupled plasma mass spectrometry (ICP/MS) instrument. The purge and trap and autosampler installed in FY23 experienced issues, were returned, and will be replaced.

Update: The ICP/MS, microscope, purge and trap and autosampler, and autotitrator are installed. Staff is obtaining quotes for an organics laboratory dishwasher.

District Project Manager:	Jeff Matheson
Project Budget:	\$283,500.00
Project Spent to date / Percent Spent:	\$264,523.05 / 93.3%

Annual Network Server Replacement

Purpose: The District operates servers on multiple networks. These servers have a life expectancy of seven years. New servers host the most critical services for the first three to five years of the lifecycle and then are moved to a less critical role for the remainder of the life cycle.

Update: A PCS server is on order. Staff are reviewing additional servers and obtaining quotes.

District Project Manager:	Darin Klemin
Project Budget:	\$70,000.00
Project Spent to date / Percent Spent:	\$0.00 / 0.0%

FY23 Carryover – Caustic Recirculation Pump: The pump was received in FY23. No further activity is anticipated for this line item.

District Project Manager:	Steve Slack
Project Budget:	\$20,373.00
Project Spent to date / Percent Spent:	\$0.00 / 0.0%

Miscellaneous: Two chlorinators were ordered to replace failing units at the LCWTP at a cost of \$21,793.

District Project Manager:	Ammon Allen
Project Budget ¹ :	\$50,000.00
Project Spent / Percent Spent:	\$0.00 / 0.0%

Non-Routine O&M (Selected Projects)

LCWTP Arc Flash Coordination

Purpose: LCWTP Arc Flash Coordination: The National Fire Protection Association (NFPA) Standard for Electrical Safety in the Workplace mandates reviewing the arc flash study of a facility a maximum of every five years. Recent changes at the LCWTP make this effort timely.

Update: Data collection, labels, and the final report are complete. One-line diagrams will be finished by the end of February 2024.

District Project Manager:	Gardner Olson
Contractor:	Powmation
Final Completion Date:	June 30, 2024
Project Budget:	\$200,000.00
Contract Amount:	\$149,700.00
Project Spent to date:	\$54,800.00 / 27.4%

Financial Strategist

Purpose: Application assistance for WIFIA funding for MWDSLS long term Capital Finance program.

Update: A consultant helped the District prepare a BRIC application for the SLAR Reaches 2 and 3 study (to determine alignment).

District Project Manager:	Annalee Munsey
Contractor:	AE2S
Final Completion Date:	June 30, 2024
Project Budget:	\$100,000.00
Contract Amount:	\$20,000.00
Project Spent to date:	\$0.00 / 0.0%

IT Master Plan

Purpose: The Information Technology department has many project needs. A master plan will be developed to prioritize and define these projects.

Update: Assessment of the District's server rooms / data centers is anticipated to be complete in January 2024. An assessment of the HMI system will follow in February 2024.

District Project Manager:	Ryan Nicholes
Contractor:	Hazen and Sawyer
Final Completion Date:	June 30, 2024
Project Budget:	\$150,000.00
Contract Amount:	\$149,905.00
Project Spent to date:	\$39,069.26 / 26.3%

Capacity Improvement Projects

Managed Aquifer Recharge Pilot Testing and Phase 1 (LC063)

Purpose: The District will construct two infiltration basins and an injection well at the LCWTP. These facilities will recharge an estimate 29 acre-feet of water into the aquifer per day. The water can then be extracted through any number of customer-owned wells down-gradient and within the same aquifer.

Update: Construction of the ASR well was completed on September 13, 2023. Well development is under way and anticipated to be complete by January 31, 2024.

The surface infiltration basins are fully excavated and drain holes drilled. Site grading is complete. Equipping of the well and construction of the well house is on hold to ensure the pump and electrical equipment is appropriately sized for the well (this will be determined during development).

In early December several neighbors asked how the site will look post-construction. A flier was sent to the community on December 14, 2023 to share this information. No feedback was received following the mailer.



December 13, 2023: Overall site progress. Unfortunately, we are unable to fly the drone at temperatures less than 40 degrees Fahrenheit and this is the most recent aerial image available.



December 6: Overflow piping and rip-rap was installed between the south and north SIBs.



December 13: Meter vaults and piping were installed into the SIBs.



December 13, 2023: The SIB meter vault is installed.



January 8, 2024: Well development is ongoing.

Design			
District Project Manager:	Ammon Allen		
Design Engineer:	Hansen, Allen and Luce		
Final Completion Date:	December 31, 2024		
Implementation Plan Spent (FY21):	\$78,487.55		
Engineering Design Contract Amount:	\$961,937.15		
Fiscal Year:	2022	2023	2024
Spent to date:	\$78,431.03	\$420,598.75	\$162,826.95
Engineering Design Spent to date:	\$661,856.73 / 68.8%		

Wells Construction		
Contractor:	Hydro Resources	
Final Completion Date:	October 31, 2023	
Contract Amount:	\$3,674,441.00	
Change Orders / Percent:	-\$19,782.00 / -0.5%	
	2023	2024
Wells Spent to date	\$2,504,420.15	\$0.00
Total Spent to date:	\$2,504,420.15 / 68.5%	

SIB and Infrastructure Construction	
Contractor:	COP Construction
Final Completion Date:	February 16, 2024
Contract Amount:	\$5,550,687.00
Change Orders / Percent:	\$0.00 / 0.0%
SIB and Infrastructure Spent to date:	\$3,590,937.00 / 64.7%

Other Project Costs	
Contractor:	SKM
Final Completion Date:	March 30, 2024
Budget:	\$94,500.00
Contract Amount:	\$39,890.00
Change Orders / Percent:	\$0.00 / 0.0%
SKM Spent to date:	\$0.00 / 0.0%
District Purchases	\$1,204.00
Total Other Costs Spent to date:	\$1,204.00 / 1.3%

Total Project Budget:	\$10,821,309.10
ARPA Grant:	\$3,000,000.00
ASR Reserve (as of June 30, 2022):	\$4,115,104.90
Non-ASR Reserve:	\$3,706,204.20
Total Project Spent to date:	\$6,836,905.43 / 63.2%

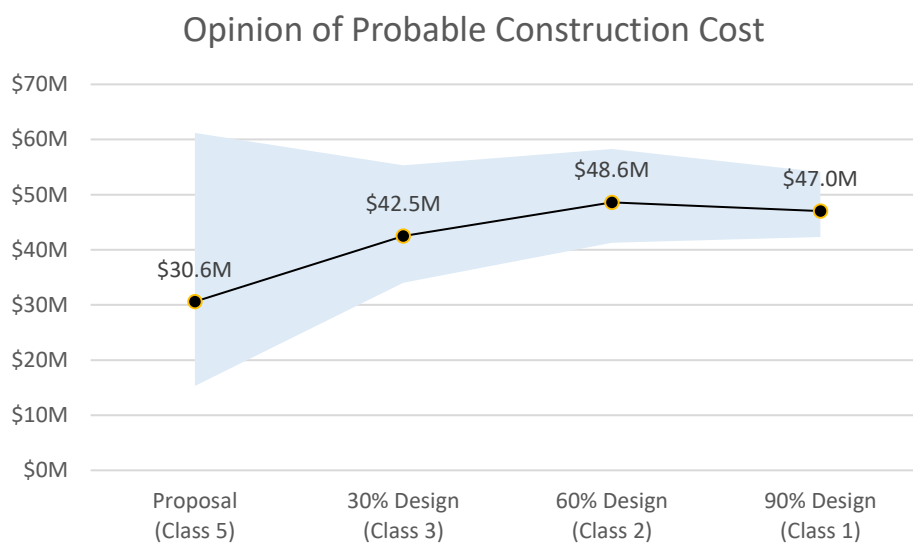
Other Capital Improvement Projects

Salt Lake Aqueduct Resiliency - Cottonwoods Conduit (SLAR-CC):

Purpose: The Big Cottonwood Water Treatment Plant (BCWTP) is in need of replacement. The SLAR-CC is a pipeline that connects the BCWTP and the Little Cottonwood Water Treatment Plant (LCWTP) to bring raw water from Big Cottonwood Creek to the LCWTP for treatment. Without this infrastructure, the District will incur an additional demand of up to 24,000 ac-ft annually during the BCWTP replacement.

Update:

Design: The 100% project design was received. The Opinion of Probable Construction Cost as of October 20, 2023 is \$47.0M (-10% to +15%).



Construction: The bid package was advertised on January 4, 2024 and closes February 5, 2024 for an anticipated February 27, 2024 award.

Easement Acquisition: There are 61 permanent easements (56 residential, 5 non-residential) being acquired. We have received 27 appraisals to date. Of those 23 were extended offers. All offers are actively being negotiated for the new SLAR easement. Three easements have been acquired.

Five additional temporary easements on non-residential properties are also being pursued to provide staging and logistical areas used during construction. The location, size, and timing of the temporary easements have been defined. Legal descriptions and exhibits have been created. Appraisals have been ordered.

Funding: Staff is also working with our financial strategist to procure project funding. The Utah Division of Water Resources authorized a \$22M loan to the District on December 6, 2023 (in the form of a bond). It is anticipated the remaining \$28M will be obtained through market bonds.

Design			
District Project Manager:	Kelly Stevens		
Design Engineer:	Hazen and Sawyer		
Final Completion Date:	30-Jun-24		
Original Contract Amount:	\$ 2,355,137.00		
Contract Amendments:	\$ 1,321,445.00		
Total Contract Amount:	\$ 3,676,582.00		
Fiscal Year:	2022	2023	2024
Spent to Date:	\$ 36,856.25	\$ 1,999,946.56	\$ 850,657.52
Engineering Spent to Date:		\$ 2,887,460.33 / 78.5%	

Public Engagement			
District Project Manager:	Kelly Stevens		
Design Engineer:	Wall Consulting Group		
Final Completion Date:	30-Jun-24		
Original Contract Amount:	\$ 108,388.75		
Contract Amendments:	\$ -		
Total Contract Amount:	\$ 108,388.75		
Fiscal Year:	2022	2023	2024
Spent to Date:	\$ 4,455.46	\$ 32,879.88	\$ 26,402.09
Engagement Spent to Date:		\$ 63,737.43 / 58.8%	

**Jordan Valley Water Conservancy District (JVWCD)
Jordan Aqueduct System and 150th South Pipeline – Capital Projects**

The District is responsible for 2/7 of Jordan Aqueduct (JA) system improvements which include JA Reaches 1 – 4, Jordan Valley Water Treatment Plant (JVWTP), and the JA Terminal Reservoir. The District is responsible for one half of improvements associated with the 150th South pipeline. Projects identified for FY2024 include:

Major Rehabilitation or Replacement of Existing Facilities

- JA Normal, Extraordinary Maintenance and Replacement \$ 142,857
- 150th South Pipe Normal Maintenance and Replacement \$ 62,500
- JA TR Basins 3, 4 Roof Deck Joint Sealant Replacement \$ 142,857
- JVWTP Normal, Extraordinary Maintenance and Replacement \$ 342,857
- JVWTP Floc/Sed Basins 3-6 Mechanical Equipment Replacement \$ 385,714
- JVWTP Floc/Sed Basins 1-2 Mechanical Equipment Replacement \$ 285,714

New Non-Capacity Facilities (Compliance/Functional Upgrade)

- JVWTP Filter and Chemical Feed Upgrades \$ 885,714
- JVWTP Floc/Sed 1-2 Seismic Upgrade \$ 662,143
- Jordan Aqueduct Seismic Resiliency \$ 14,286

JVWTP Project Management Expenses \$ 50,000

Total Request FY2024: \$2,974,643

This report is taken from JVWCD’s January 2024 board packet and covers October 16, 2023 to December 14, 2023.

JVWCD and Carollo Engineers are working closely on design of the JVWTP Filter and Chemical Feed Upgrades. New chlorine and caustic buildings are being evaluated.

The consultant is preparing 90% drawings for the Sedimentation Basins 1-2 Seismic and Capacity Upgrades project, including a new pump station. JVWCD is reapplying for a BRIC grant.

A project completion report for the Sedimentation Basins 3-6 Equipment Replacement states the project was completed with 0.04% change orders on December 1, 2023. This project included the replacement of chain and flight sludge collection equipment and supply and installation of plate settler sedimentation equipment for JVWTP Basins 3-6.

