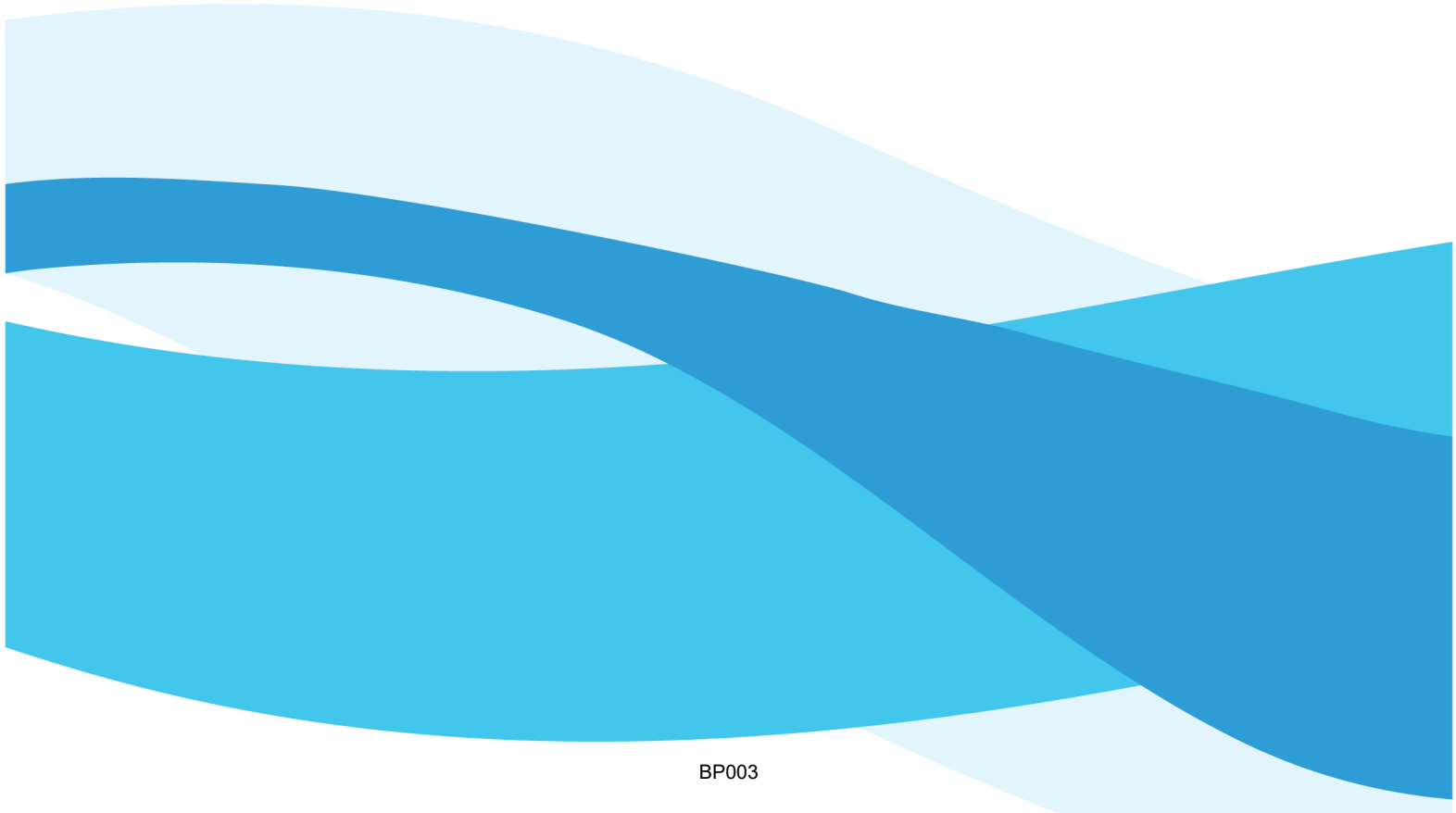


Tab 1

Engineering Committee report





Consider approval of Resolution 1945 approving FEMA BRIC funds commitment for grant application for the Raw Water Little Cottonwood Conduit Replacement Project

Background:

The Federal Emergency Management Agency (FEMA) administers mitigation project grant money through the Building Resilient Infrastructure and Communities (BRIC) program. BRIC is FEMA's annual mitigation grant program to mitigate against natural hazards. Mitigation projects may include construction, project scoping, or activities related to the adoption and enforcement of building codes. BRIC no longer directly funds mitigation plan updates. To be eligible a project must:

- Be cost effective,
- Reduce or eliminate risk and damage from future natural hazards,
- Meet current, relevant, consensus-based codes, specification, and standards,
- Align with an accepted hazard mitigation plan, and
- Meet all Environmental and Historic Preservation requirements.

The fiscal year 24-25 Notice of Funding Opportunity (NOFO), released March 25, 2026, indicates that BRIC intends to focus federal investments on hazard mitigation infrastructure, prioritizing projects delivering immediate risk reduction to communities vulnerable to natural hazards.

Metro Water would like to apply for BRIC grant funding as a subapplicant to the State of Utah in the National Competition for the construction phase of the Raw Water Little Cottonwood Conduit (LCC) Replacement Project. The goal of the Raw Water LCC Replacement Project is to mitigate the hazards facing the LCC while allowing Metro to maintain control of its critical infrastructure and maximize its use of water diversion rights in Little Cottonwood Creek. This project addresses earthquake, landside, and drought hazards, allowing Little Cottonwood Water Treatment Plant continued access to its raw water source if a seismic event occurs and providing operational independence from Murray Power.

Metro Water would like to acquire a \$15 million federal share from BRIC, which requires a local project match of 25% or \$5 million for the estimated \$20 million construction project. Metro Water would be required to commit to fund \$5 million as part of its fiscal year 2028 budget.

The BRIC application requires a board resolution to commit Metro Water to fund its cost share and to meet project deadlines established with FEMA, should award be issued. Notice of award is not anticipated until spring 2027.

Committee Activity:

The Engineering Committee discussed this item on May 5, 2026 and recommended approval by the full board.

Recommendation:

Approval of Resolution 1945 to commit funds for a grant application for the Raw Water Little Cottonwood Conduit Replacement Project.

Attachment:

- Resolution 1945

Last Update: May 11, 2026

METROPOLITAN WATER DISTRICT OF SALT LAKE & SANDY

RESOLUTION NO. 1945

WHEREAS, this District is a water supplier to its member cities, Salt Lake City and Sandy City, responsible for ensuring reliable water treatment, storage, and transmission for the area; and

WHEREAS, water is a critical resource to the health, safety, and economical welfare of its member cities; and

WHEREAS, this District sees the need to identify and mitigate potential hazards that may jeopardize reliable water treatment, delivery, and storage; and

WHEREAS, this District is currently completing the design of the Raw Water Little Cottonwood Conduit Replacement to mitigate natural hazards facing the existing conduit; and

WHEREAS, this District desires to obtain grant funding from the Federal Emergency Management Agency (FEMA) through the Building Resilient Infrastructure and Communities (BRIC) program for the construction of the Raw Water Little Cottonwood Conduit Replacement Project.

NOW THEREFORE, it is hereby **RESOLVED** by the Board of Trustees of the Metropolitan Water District of Salt Lake & Sandy as follows:

1. The Board of Trustees approves and supports the grant application; and
2. This District is capable of providing the amount of funding specified in the grant application of \$5,000,000 for the Raw Water Little Cottonwood Conduit Replacement Project; and
3. If selected for the grant, this District will work with FEMA to meet established deadlines as it executes the project.

This **RESOLUTION** was duly adopted by the Board of Trustees of the Metropolitan Water District of Salt Lake & Sandy at a meeting duly noticed and held on the 18th day of May, 2026.

Tom Godfrey
Chair of the Board of Trustees



Consider approval of Resolution 1946 approving FEMA BRIC funds commitment for grant application for the Little Cottonwood Water Treatment Plant Rebuild Project

Background:

The Federal Emergency Management Agency (FEMA) administers mitigation project grant money through the Building Resilient Infrastructure and Communities (BRIC) program. BRIC is FEMA's annual mitigation grant program to mitigate against natural hazards. Mitigation projects may include construction, project scoping, or activities related to the adoption and enforcement of building codes. BRIC no longer directly funds mitigation plan updates. To be eligible a project must:

- Be cost effective,
- Reduce or eliminate risk and damage from future natural hazards,
- Meet current, relevant, consensus-based codes, specification, and standards,
- Align with an accepted hazard mitigation plan, and
- Meet all Environmental and Historic Preservation requirements.

The fiscal year 24-25 Notice of Funding Opportunity (NOFO), released March 25, 2026, indicates that BRIC intends to focus federal investments on hazard mitigation infrastructure, prioritizing projects delivering immediate risk reduction to communities vulnerable to natural hazards.

Metro Water would like to apply for a **project scoping grant** for the **design phase** of the Little Cottonwood Water Treatment Plant (LCWTP) Rebuild Project. Metro Water hired Stantec Consulting in 2025 to perform a design aimed at mitigating hazards. Design is expected to continue into fiscal year 2028. The purpose of the LCWTP Rebuild Project is to bring critical plant infrastructure up to current seismic standards, improve processes to maintain water quality, and replace/upgrade electrical systems.

Metro Water expects design costs of \$15 million in fiscal year 2028. There are \$2 million dollars available in state funds for FEMA BRIC project scoping. Recognizing the limited amount of funds available, Metro Water is requesting **\$1 million for project scoping**. Metro Water would be required to commit to fund the remaining \$14 million as part of its fiscal year 2028 budget.

The BRIC application requires a board resolution to commit Metro Water to fund its cost share and meet project deadlines established with FEMA, should award be issued. Notice of award is not anticipated until spring 2027.

Committee Activity:

The Engineering Committee discussed this item on May 5, 2026 and recommended approval by the full board.

Recommendation:

Approval of Resolution 1946 approving FEMA BRIC funds commitment for grant application for the Little Cottonwood Water Treatment Plant Rebuild Project

Attachment:

- Resolution 1946

Last Update: May 11, 2026

METROPOLITAN WATER DISTRICT OF SALT LAKE & SANDY

RESOLUTION NO. 1946

WHEREAS, this District is a water supplier to its member cities, Salt Lake City and Sandy City, responsible for ensuring reliable water treatment, storage, and transmission for the area; and

WHEREAS, water is a critical resource to the health, safety, and economical welfare of its member cities; and

WHEREAS, this District sees the need to identify and mitigate potential hazards that may jeopardize reliable water treatment, delivery, and storage; and

WHEREAS, this District will complete a basis of design in June 2026 for the Little Cottonwood Water Treatment Plant (LCWTP) Rebuild Project; and

WHEREAS, this District desires to obtain project scoping grant funding from the Federal Emergency Management Agency (FEMA) through the Building Resilient Infrastructure and Communities (BRIC) program for the design of the LCWTP Rebuild Project.

NOW THEREFORE, it is hereby **RESOLVED** by the Board of Trustees of the Metropolitan Water District of Salt Lake & Sandy as follows:

1. The Board of Trustees approves and supports the grant application; and
2. This District is capable of providing the amount of funding specified in the grant application of \$14,000,000 for the LCWTP Rebuild Project design; and
3. If selected for the grant, this District will work with FEMA to meet established deadlines as it executes the project.

This **RESOLUTION** was duly adopted by the Board of Trustees of the Metropolitan Water District of Salt Lake & Sandy at a meeting duly noticed and held on the 18th day of May, 2026.

Tom Godfrey
Chair of the Board of Trustees



Consider approval of server procurement

Background:

Metro Water operates several high-performance backup servers. These servers are replaced approximately every five years. Due to the rising cost of network equipment, the cost of these servers has increased dramatically and are now considered a capital procurement.

Quote shown below was obtained in compliance with state contract MA4084.

Backup servers have not previously exceeded \$25,000. This is the first time these servers have been brought forward to the board for approval. Although these servers were not specifically identified in the fiscal year 2026 capital budget, funding is available within the allocated repair and replace line item.

Committee Activity:

The Engineering Committee discussed this item on May 5, 2026 and recommend approval by the full board.

Recommendation:

Recommend approval of server procurement for \$114,032.10 to CDWG, as described above.

Last Update: May 11, 2026



Change Order No. C18 for Cottonwoods Connection

Background:

Construction for the SLAR portion of the Cottonwoods Connection project was awarded to Whitaker Construction on February 26, 2024.

Change Order No. C18 includes Work Change Directives C38, C39, C40. This change order will be paid by Salt Lake City Department of Public Utilities (SLCDPU), and represents a net budget (scope) increase of \$65,176.65.

WCD C38: Installation of a new 6-inch gate valve at Sta. 38+00. The increase is \$2,676.96.

Root cause for change: SLCDPU requested that the valve be replaced during the fire hydrant relocation. This is considered a betterment, thus 100% of the cost is SLCDPU.

WCD C39: Installation of a new 20-inch double eccentric butterfly valve on the McEntire SLA/SLAR turnout tee on the existing SLCDPU 20-inch pipeline. The increase is \$32,788.49.

Root cause for change: SLCDPU requested that an additional valve be installed on the turnout tee in addition to the other isolation valves already planned for operational reasons. This is considered a betterment, thus 100% of the cost is SLCDPU.

WCD C40: Remove the newly abandoned 20-inch tee on the SLCDPU water pipeline. The increase is \$29,711.20 to both budget and scope.

Root cause for change: SLCDPU requested that the existing turnout tee on the 20-inch pipeline be removed rather than blind flanged as originally designed. This is considered a betterment, thus 100% of the cost is SLCDPU.

	Original Project Construction Budget (2/26/24)	Project Construction Budget Amended to Change Order C17 (4/25/2026)	Updated Project Construction Budget Including Change Order C18
Whitaker Contract	\$57,269,309.09	\$60,075,236.95	\$60,140,413.60
Metro Water Portion	\$43,445,682.76	\$44,949,046.41	\$44,881,663.91
Salt Lake City Portion	\$13,823,626.33	\$14,377,505.08	\$14,421,241.84
Cottonwood Heights City Portion	\$0.00	\$748,685.46	\$748,685.46

Committee Activity:

The Engineering Committee reviewed Change Order No. C18 on May 5, 2026.

Recommendation:

This is a reporting item only.

Attachment:

- Change Order No. C18

Last Update: May 11, 2026

CHANGE ORDER

Order No. C18

Date: 04/07/2026

Name of Project: Cottonwoods Connection

District Project Number: SA061

CONTRACTOR: Whitaker Construction

Contract Date: April 4, 2024

The following changes are hereby made to the CONTRACT DOCUMENTS:

1. WCD C38 to add a new gate valve at Sta 38+00 in the amount of \$2,676.96
2. WCD C39 to add a butterfly valve at McEntire Turnout in the amount of \$32,788.49
3. WCD C40 to remove the McEntire turnout tee in the amount of \$29,711.20

Total Change to CONTRACT PRICE: Increase	\$ <u>65,176.65</u>
--	---------------------

Original CONTRACT PRICE:	\$ <u>57,269,309.09</u>
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Current CONTRACT PRICE adjusted by previous

CHANGE ORDER(S):	\$ <u>60,146,569.72</u>
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The new CONTRACT PRICE including this

CHANGE ORDER is	\$ <u>60,211,746.37</u>
-----------------	-------------------------

The CONTRACT TIME is unchanged.

The date for substantial completion of the WORK remains unchanged.

The CONTRACTOR agrees to furnish all labor and materials and perform all work as necessary to complete the change order items for the price named herein, which includes all supervision and miscellaneous costs. This change order constitutes full and mutual accord and satisfaction for all time and all costs related to this change. By acceptance of this change order the CONTRACTOR agrees that the change order represents an equitable adjustment to the Contract, and further agrees to waive all right to file a claim arising out of or as a result of this change. This document becomes part of the Contract Documents, and all provisions will apply hereto, upon approval by the OWNER.

Recommended:	<u>Maggie Shalvoy</u>	<u>4/7/2026</u>
	ENGINEER	Date

Recommended:	<u>Salt Lake City Department of Public Utilities</u>	Date
--------------	--	------

Recommended:	<u>Kelly Stevens</u>	<u>09 Apr 2026</u>
	<small>C=US, E=stevens@mwdsls.gov, O=Metropolitan Water District of Salt Lake & Sandy, OU=Engineering, CN=Kelly Stevens</small>	
	<small>2026.04.09 06:46:35-06'00'</small>	

Metropolitan Water District of Salt Lake & Sandy

Date

By signing below, the District's general manager certifies that the expenditure of this change order amount is properly authorized by the District's board of trustees consistent with the District's budget and financial management policies and the instructions of the board of trustees.

Final Approval:

Accepted:

CONTRACTOR

Date

Approved:

Annalee Murray

Metropolitan Water District of Salt Lake & Sandy
General Manager

4/14/2020

Date

Attachments:

- WCD C38 Sta 38 Fire Hydrant Valve
- WCD C39 McEntire 20" BFV
- WCD C40 McEntire 16" Tee Removal

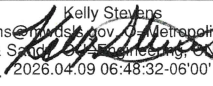
Notes:

None.

Work Change Directive No. 38

Date issued: 04/06/2026

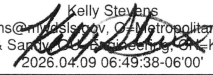
Effective Date: 04/06/2026

Project: Cottonwoods Connection, Schedule C		Owner: MWDSLS	Owner's Contract No.: SA061		
Contract: General Construction			Date of Contract: April 4, 2024		
Contractor: Whitaker Construction			Engineer's Project No.: 70088-005		
Contractor is directed to proceed promptly with the following change(s):					
Salt Lake City Department of Public Utilities (SLCDPU) requested that Whitaker furnish and install a new 6-inch gate valve on the fire hydrant at station 38+00.					
Whitaker provided a proposed change order (PCO) on March 26, 2026, for \$2,676.96.					
Metro Water staff reviewed the PCO and approved the work on April 6, 2026. This WCD authorizes Whitaker to proceed with the work.					
Attachments (list documents supporting change):					
Whitaker cost proposal dated 03/18/2026, two (2) pages.					
Estimated change in Contract Price and Contract Times:					
Contract Price	\$2,676.96	increase	Contract Time	0	increase
				days	
Recommended for Approval by Engineer:				Date	
<i>Maggie Shalvoy</i>				4/7/2026	
Recommended for Approval by MWDSLS:				Date	
<small>C=US, E=stevens@mwdsls.gov, O=Metropolitan Water District of Salt Lake & Sand County, OU=Engineering, CN=Kelly Stevens</small>  <small>2026.04.09 06:48:32-06'00'</small>				09 Apr 2026	
Accepted for Contractor by:				Date	
Authorized for MWDSLS by:				Date	
<i>Annalee M. Fung</i>				Apr 14, 2026	

Work Change Directive No. 39

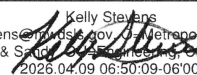
Date issued: 04/06/2026

Effective Date: 04/06/2026

Project: Cottonwoods Connection, Schedule C		Owner: MWDSLS	Owner's Contract No.: SA061		
Contract: General Construction			Date of Contract: April 4, 2024		
Contractor: Whitaker Construction			Engineer's Project No.: 70088-005		
Contractor is directed to proceed promptly with the following change(s):					
Salt Lake City Department of Public Utilities (SLCDPU) requested that Whitaker furnish and install a new 20-inch Double Eccentric Butterfly Valve on the McEntire SLAR Turnout near the new SLAR McEntire Vault.					
Whitaker provided a proposed change order (PCO) on March 26, 2026, for \$32,788.49					
Metro Water staff reviewed the PCO and approved the work on April 6, 2026. This WCD authorizes Whitaker to proceed with the work.					
Attachments (list documents supporting change):					
Whitaker cost proposal dated 3/18/2026, three (3) pages.					
Estimated change in Contract Price and Contract Times:					
Contract Price	\$32,788.49	increase	Contract Time	0	increase
				days	
Recommended for Approval by Engineer:				Date	
<i>Maggie Shalvoy</i>				4/7/2026	
Recommended for Approval by MWDSLS:				Date	
<small>C=US, E=stevens@metrowater.gov, Metropolitan Water District of Salt Lake & San Juan Counties, 2026.04.09 06:49:38-06'00'</small> 				09 Apr 2026	
Accepted for Contractor by:				Date	
Authorized for MWDSLS by:				Date	
<i>Annala Mearns</i>				Apr 14, 2026	

Work Change Directive No. 40

Date issued: 04/06/2026 Effective Date: 04/06/2026

Project: Cottonwoods Connection, Schedule C		Owner: MWDSLS	Owner's Contract No.: SA061		
Contract: General Construction			Date of Contract: April 4, 2024		
Contractor: Whitaker Construction			Engineer's Project No.: 70088-005		
Contractor is directed to proceed promptly with the following change(s):					
<p>Salt Lake City Department of Public Utilities (SLCDPU) requested that Whitaker modify the McEntire piping design to remove the existing turnout's 20-inch tee and replace it with a spool.</p> <p>Whitaker provided a proposed change order (PCO) on March 26, 2026, for \$29,711.20.</p> <p>Metro Water staff reviewed the PCO and approved the work on April 6, 2026. This WCD authorizes Whitaker to proceed with the work.</p>					
Attachments (list documents supporting change):					
Whitaker cost proposal dated 3/26/2026 four (4) pages.					
Estimated change in Contract Price and Contract Times:					
Contract Price	\$29,711.20	increase	Contract Time	0	increase
				days	
Recommended for Approval by Engineer:				Date	
<i>Maggie Shalvoy</i>				4/7/2026	
Recommended for Approval by MWDSLS:				Date	
 <small>C=US, E=stevens@metro.wa.gov, O=Metropolitan Water District of Salt Lake & San Diego, OU=Engineering, CN=Kelly Stevens</small> <small>2026.04.09 06:50:09-06'00'</small>				09 Apr 2026	
Accepted for Contractor by:				Date	
Authorized for MWDSLS by:				Date	
<i>Annala Murray</i>				Apr 14, 2026	

Salt Lake Aqueduct Replacement Reach 1 – Cottonwoods Conduits (SA061)

Metro Water Project Manager: Kelly Stevens
Design Engineer: Hazen and Sawyer
Contractor (Schedule A/B): COP Construction
Contractor (Schedule C): Whitaker Construction

Project Description

New pipeline to connect LCWTP and BCWTP and for Reach 1 of SLAR.

Status

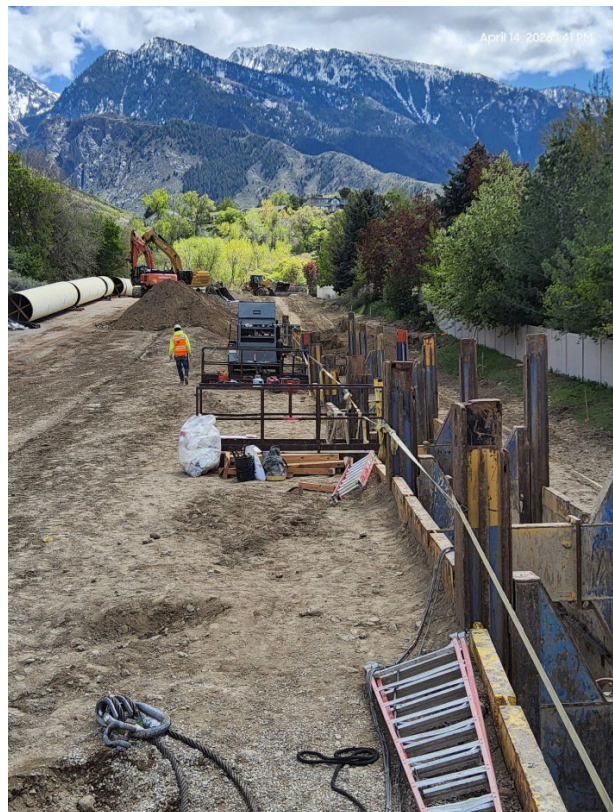
Design Status: 100%
Construction Status (Schedule A/B): 100%
Construction Status (Schedule C): 59.5%

Easement Acquisition: Occupancy is in place for all properties. Staff continues to complete permanent interest on four properties.

Construction: Schedule A (CC-1 pipeline) is substantially complete. Schedule C (SLAR pipeline) is progressing. Whitaker Construction is running multiple crews installing the SLAR in Danish Road, in Memorial Estates south of 10MG Reservoir, the McEntire turnout vault at the top of Nutree Drive, and the SLAR meter vault at LCWTP. Additionally, the asphalt subcontractor is preparing to repave Ft. Union Blvd. from Nutree Drive to 3000 East for Cottonwood Heights City (at their expense).



McEntire Turnout Retrofit for SLAR



Pipe Installation in Danish Road



Existing SLA Aqueduct being removed



SLAR Connection to new Meter Vault

Budget

Right Of Way Acquisition (Metro Water, 1802B-10)

Activity	Est. Budget	Encumbered	Total Spent	FY25-Spent	FY26 Spent
ROW Acquisition	\$4,205,000	\$3,963,063	\$3,623,063	\$3,388,284	\$234,779
Total	\$4,205,000	\$3,963,063	\$3,623,063	\$3,388,284	\$234,779
Annual Allocation					\$500,000

Construction (Metro Water, 1802C-10)

Activity	Est. Budget	Encumbered	Total Spent	FY25-Spent	FY26 Spent
Design	\$2,280,114	\$2,280,114	\$2,280,114	\$2,280,114	\$-
Construction (A/B)	\$-	\$-	\$-	\$-	\$-
Construction (C)	\$43,413,192	\$45,005,040	\$24,477,887	\$7,320,328	\$17,157,559
ESDC	\$2,054,727	\$2,054,727	\$1,269,348	\$657,309	\$612,039
Public Involvement	\$308,875	\$181,842	\$103,264	\$76,789	\$26,475
Utility Relocation	\$744,711	\$661,961	\$482,350	\$276,869	\$205,481
Contingency ¹	\$4,341,319				
Total	\$57,347,938	\$47,903,570	\$28,556,751	\$10,555,196	\$18,001,554
Annual Allocation					\$22,400,000

¹ Contingency is tracked with construction encumbrance.

Construction (Salt Lake City / Cottonwood Heights City, 5919-20)

Activity	Est. Budget	Encumbered	Total Spent	FY25-Spent	FY26 Spent
Design	\$1,277,736	\$1,270,445	\$1,270,445	\$1,270,445	\$-
Construction (A/B)	\$10,552,997	\$10,552,997	\$10,552,997	\$8,575,203	\$1,977,794
Construction (C)	\$16,057,295	\$15,191,366	\$18,203,437	\$11,137,598	\$7,065,839
ESDC	\$1,489,750	\$1,489,750	\$1,239,857	\$900,877	\$338,981
Public Involvement	\$191,125	\$155,584	\$63,897	\$47,515	\$16,382
Utility Relocation	\$755,289	\$755,289	\$671,811	\$606,431	\$65,380
Contingency ¹	\$2,661,029				
Total	\$32,985,221	\$29,415,431	\$21,456,738	\$13,970,152	\$7,486,582
Annual Allocation					\$9,356,897

¹ Contingency is tracked with construction encumbrance.

Change Orders

Schedule A/B (CC-1, CC-2)

Change	Submitted	Description	Cost		
			Total	SLCDPU	Cottonwood Heights
CO-AB01	5-Sep-24		\$ (55,976)	\$ (55,976)	
WCD-AB01		Sewer relocation at 229+00	\$ (37,799)		
WCD-AB02		Remove fire hydrant at 244+65	\$ (18,177)		
CO-AB02	5-Sep-24		\$ 77,549	\$ 77,549	
WCD-AB03		Change pipe backfill to CLSM	\$ 77,549		
CO-AB03	4-Apr-24				
WCD-AB04		Warranty changes			
CO-AB04	16-Apr-25		\$ 251,115	\$ 251,115	
WCD-AB05		Cancel CC-1 across creek	\$ (142,718)		
WCD-AB06		Sewer relocation at 211+00	\$ 393,833		
CO-AB05	4-Apr-25		\$ 366,239		\$ 366,239
WCD-AB07		Additional repaving in Ft Union	\$ 366,239		
CO-AB06	3-Nov-25		\$ (3,143,512)	\$ (3,143,512)	
WCD-AB08		Cancel Schedule B (CC-2)	\$ (3,143,512)		
CO-AB07	3-Nov-25		\$ 17,274	\$ 17,274	
WCD-AB09		CARV modifications	\$ 17,274		
CO-AB08	10-Nov-25		\$ (19,214)	\$ (24,079)	\$ 4,865
WCD-AB10		Ft Union repaving overage	\$ 4,865		
WCD-AB11		Contingency recapture	\$ (24,079)		
WCD-AB12		Extend closeout milestones	\$ -		
CO-AB09	25-Feb-26				
WCD-AB13		Extend closeout milestones	\$ -		
		Total	\$ (2,506,526)	\$ (2,872,765)	\$ 371,104
		Percent of Contract	-19.19%	-22.03%	2.84%

Schedule C (SLAR)

Change	Submitted	Description	Cost		
			Total	Metro Water	SLCDPU/ Cottonwood Heights
CO-C01	19-Feb-25		\$ 84,075		\$ 84,075
WCD-C01		Pothole LCC	\$ 47,956		
WCD-C03		Additional LCC pothole	\$ 36,118		
CO-C02	6-Feb-25		\$ 148,951		\$ 148,951
WCD-C02		LCC replace valve	\$ 148,951		
CO-C03	18-Mar-25		\$ 116,300	\$ 88,228	\$ 28,072
WCD-C04		Replace additional block wall	\$ 116,300		
CO-C04	18-Mar-25		\$ 430,219	\$ 326,373	\$ 103,846
WCD-C07		Time extension / delays	\$ 430,219		
CO-C05	18-Mar-25		\$ 27,336	\$ 20,737	\$ 6,598
WCD-C05		CARV modifications	\$ 25,000		
WCD-C06		LCC potholing	\$ 2,336		
CO-C06	17-Jul-25		\$ 196,050	\$ 148,727	\$ 47,322
WCD-C14		Turnout vault modifications	\$ 196,050		
CO-C07	28-Jul-25		\$ 34,930		\$ 34,930
WCD-C10		LCC access change	\$ 34,930		
CO-C08	28-Jul-25		\$ 113,906	\$ 86,411	\$ 27,495
WCD-C08		Credit for coatings	\$ (61,554)		
WCD-C09		Added sewer casings	\$ 19,542		
WCD-C11		Lumen fiber relocation	\$ 20,377		
WCD-C12		Lumen fiber standby	\$ 48,653		
WCD-C13		Additional PI support	\$ 67,861		

FY2026 Capital Projects Report
 March 21 – April 21, 2026

WCD-C15		Storm drain replacement	\$ 19,027		
CO-C09	24-Sep-25		\$ 25,060	\$ 19,011	\$ 6,049
WCD-C16		SLAR CC-2 vault changes	\$ 3,595		
WCD-C17		IO card upgrades	\$ 7,028		
WCD-C18		Gate valve installation	\$ 16,544		
WCD-C19		Power line relocation	\$ 40,722		
WCD-C20		Danish Hills owner-restoration	\$ (42,829)		
CO-C10	24-Sep-25		\$ 303,733	\$ 230,418	\$ 73,315
WCD-C21		Turnout delays	\$ 303,733		
CO-C11	29-Oct-25		\$ (39,602)	\$ (30,043)	\$ (9,559)
WCD-C22		Meter setters on Deer Creek	\$ 9,478		
WCD-C23		Fiber optic vault changes	\$ 29,645		
WCD-C24		Insurance clause update	\$ -		
WCD-C25		Electrical scope change	\$ 61,135		
WCD-C26		Sewer relocation at 26+81	\$ (37,800)		
WCD-C27		Sewer relocation at 87+30	\$ (102,060)		
CO-C12	29-Oct-25		\$ 138,873	\$ 105,352	\$ 33,521
WCD-C28		Sewer relocation at 107+00	\$ 138,873		
CO-C13	27-Jan-26				
WCD-C29	3-Nov-25	SLA shutdown extension	\$ -	\$ -	\$ -
WCD-C30	3-Nov-25	Credit for sales tax on pipe	\$ (84,749)	\$ (64,292)	\$ (20,457)
WCD-C31	12-Nov-25	Hydrostatic testing credit	\$ (105,595)	\$ (80,107)	\$ (25,488)
WCD-C32	26-Jan-26	Blow-off coordination	\$ (25,816)	\$ (19,584)	\$ (6,231)
CO-C14	23-Mar-26				
WCD-C36	23-Mar-26	Ft. Union Blvd. Repaving	\$ 748,685	\$ -	\$ -
CO-C15					
<i>Pending</i>		Surface restoration update			
CO-C16	23-Feb-26				
WCD-C34	27-Jan-26	Concrete cradle on SLA	\$ 13,856	\$ 10,511	\$ 3,344
WCD-C35	18-Feb-26	Waterline relocation at 38+00	\$ 74,967	\$ 56,871	\$ 18,095
CO-C17		See LCWTP Administration Campus Improvements (not SLAR-CC budget)			
CO-C18	07-Apr-26				
WCD-C38	07-Apr-26	Fire Hydrant Valve at 38+00	\$ 2,677	\$ -	\$ 2,677
WCD-C39	07-Apr-26	McEntire 20-inch BFV	\$ 32,788	\$ -	\$ 32,788
WCD-C40	07-Apr-26	McEntire 16-inch Tee Removal	\$ 29,711	\$ -	\$ 29,711
		Total	\$ 2,226,354	\$ 898,614	\$ 1,367,741
		Percent of Contract	3.71%	1.97%	9.43%

Finished Water Strategic Conveyance Plan

Metro Water Project Manager: Kelly Stevens
 Design Engineer: Bowen Collins & Associates, Brown & Caldwell
 Contractor: TBD

Project Description

This project has three major objectives:

- Design to 30% the infrastructure assets to move the SLAR pipeline to Phase 3 (finished water) operations.
- Complete a comprehensive hydraulic model of all finished water conveyance assets north of LCWTP, including SLCDPU assets.
- Establish a strategic vision to optimize the delivery of finished water through operational configurations and capital investment.

Status

Design Status: 16%
 Construction Status: 0%

A workshop occurred on April 1 with Metro Water, Salt Lake City, and Sandy City staff present. The workshop defined project purpose, desired investigations, and the timing of future workshops. This effort allows Metro Water and its member cities to sync capital planning efforts.

Budget

Activity	Est. Budget¹	Encumbered	Total Spent	FY25-Spent	FY26 Spent
Design	\$1,200,000	\$948,882	\$152,608	\$148,882	\$3,726
Construction	\$7,000,000	\$-	\$-	\$-	\$-
ESDC	\$280,000	\$-	\$-	\$-	\$-
Public Involvement	\$5,000	\$-	\$-	\$-	\$-
Contingency ²	\$1,000,000	\$-	\$-	\$-	\$-
Total	\$9,485,000	\$948,882	\$152,608	\$148,882	\$3,726
Annual Allocation ¹					\$400,000

¹ The finished water strategic plan was included with the Cottonwoods Connection prior to FY26.

² Contingency is tracked with construction encumbrance.

Change Orders

None.

Salt Lake Aqueduct Replacement Reaches 2 and 3 (SA063)

Metro Water Project Manager: Kelly Stevens
Design Engineer: Kimley-Horn

Project Description

An alignment study for the extension of the SLAR finished water aqueduct to the terminal reservoirs.

Status

Design Status: 43%

The consultant is progressing the identification, evaluation, and scoring of various alignments. They are also developing preliminary hydraulic modeling results in cooperation with the Finished Water Strategic Conveyance Plan project.

Budget

Activity	Est. Budget	Encumbered	Total Spent	FY25 Spent	FY26 Spent
Design	\$500,000	\$500,000	\$212,660	\$-	\$212,660
Total	\$500,000	\$500,000	\$212,660	\$-	\$212,660
Annual Allocation				\$-	\$500,000

Change Orders

None.

Salt Lake Aqueduct Hardening (SA062)

Metro Water Project Manager: Kelly Stevens
Design Engineer: Bowen Collins & Associates, Brown & Caldwell

Project Description

Preliminary design for replacement and/or slip-line of the FW SLA for seismic stability.

Status

Design Status: 86%

The final workshop was held on February 11. The consultant has delivered the Preliminary Design report and associated 30% design drawings. System hydraulic work that overlaps with the Finished Water Strategic Conveyance Plan is also in progress.

Budget

Activity	Est. Budget	Encumbered	Total	FY25-	FY26
Design	\$2,000,000	\$2,000,000	\$1,709,831	\$1,188,644	\$521,187
Total			\$1,709,831	\$1,188,644	\$521,187
Annual Allocation				\$2,000,000	\$1,000,000

Change Orders

None.

Little Cottonwood Water Treatment Plant Rebuild (LC070)

Metro Water Project Manager: Gardner Olson
 Design Engineer: Stantec Consulting, Inc.
 Contractor: TBD

Project Description

Rebuild core portions of the LCWTP for seismic and operational stability.

Status

Design Status: 8%

The team scored and prioritized sub-projects and now prepares for a key workshop on April 28 to discuss construction packaging, sequencing, and maintenance of plant operations during construction. The Alternatives Evaluation Technical Memorandum is under review. A financial model used to propose funding and cash flow options was presented to key staff and will be refined in the coming months. Staff is developing an organization chart to take the project into construction and procurement and contract documents to bring on a contractor in early 2027.

Budget

Activity	Est. Budget	Encumbered	Total Spent	FY25- Spent	FY26 Spent
Design	\$36,150,000	\$1,511,028	\$1,299,497	\$-	\$1,299,497
Preconstruction Services	\$3,500,000	\$-	\$-	\$-	
Construction	\$287,000,000	\$-	\$-	\$-	
ESDC	\$11,140,000	\$-	\$-	\$-	
Public Involvement	\$50,000	\$-	\$-	\$-	
Contingency ¹	\$13,925,000				
Total	\$351,765,000	\$1,511,028	\$1,299,497	\$-	\$1,299,497
Annual Allocation					\$1,650,000

¹ Contingency is tracked with construction encumbrance.

Change Orders

None.

Raw Water Little Cottonwood Conduit Replacement (LC069)

Metro Water Project Manager: Erin Kuhlmeier
 Design Engineer: Bowen Collins & Associates
 Contractor: Garney

Project Description

Replace the raw water LCC and modify the lower intake structure.

Status

Design Status: 50%

The first preconstruction meeting with the design team and CM/GC is scheduled for May 5, coinciding with the anticipated completion of 60% design. A task order has been approved for easement acquisition and public involvement. Potholing work continues within project areas to verify existing utilities. Staff is currently exploring grant funding opportunities for construction.

Budget

ROW Acquisition

Activity	Est. Budget	Encumbered	Total Spent	FY25 Spent	FY26 Spent
ROW Acquisition	\$400,000	\$29,000	\$-	\$-	\$-
Total	\$400,000	\$29,000	\$-	\$-	\$-
Annual Allocation					\$-

Construction

Activity	Est. Budget	Encumbered	Total Spent	FY25 Spent	FY26 Spent
Design	\$1,500,000	\$1,406,695	\$606,591	\$238,550	\$368,041
Construction	\$20,000,000	\$-	\$-	\$-	\$-
ESDC	\$800,000	\$-	\$-	\$-	\$-
Public Involvement	\$10,000	\$10,000	\$-	\$-	\$-
Contingency ¹	\$2,000,000				
Total	\$24,310,000	\$1,416,695	\$606,591	\$238,550	\$368,041
Annual Allocation					\$1,100,000

¹ Contingency is tracked with construction encumbrance.

Change Orders

None.

**Little Cottonwood Water Treatment Plant Administration Campus
Improvements (LC071)**

Metro Water Project Manager: Augusto Robles
Design Engineer: Hazen and Sawyer
Contractor: Whitaker Construction

Project Description

Prepare to receive fiber from SLAR-CC, including placement of a portable office building and power and fiber improvements to the existing server room.

Status

Design Status: 35%
Construction Status: 6%

Electrical work is in progress and pushing to be complete by June 30. Staff reviewed 30% drawings for HVAC improvements and is working with the consultant on updates. The portable office building is expected in early June.

Budget

Activity	Est. Budget	Encumbered	Total Spent	FY25- Spent	FY26 Spent
Design	\$240,000	\$242,063	\$84,118	\$42,393	\$41,725
Construction	\$800,000	\$724,750	\$47,874	\$-	\$47,874
ESDC	\$60,000	\$-	\$-	\$-	\$-
Total	\$1,100,000		\$131,992	\$42,393	\$89,599
Annual Allocation					\$1,050,000

Change Orders

None.

Fleet Program Replacement

Metro Water Project Manager: Michael Carter

Project Description

Replace a fork lift.

Status

The forklift was received in early July.

Budget

Activity	Annual Allocation	Encumbered	Total Spent
Fork Lift	\$50,000	\$41,090	\$41,090
Total	\$50,000	\$41,090	\$41,090

Little Dell Dam Improvements

Metro Water Project Manager: Ammon Allen

Project Description

Improvements as identified by Salt Lake City Department of Public Utilities.

Status

Fiscal year 2026 expenses are complete.

Budget

Activity	Annual Allocation	Encumbered	Total Spent
Little Dell Dam Improvements	\$150,000	\$148,797.64	\$148,797.64
Total	\$150,000	\$148,797.64	\$148,797.64

Repair and Replace

Project Description

Routine repair and replace non-capacity capital investments.

Status and Budget

Activity	Annual Allocation ¹	Project Manager	Total Encumbered	Total Spent	Update
LCWTP EQ Basin Improvements	\$150,000	Andy Reidling	\$99,240	\$80,122	The pump building roof was coated and a skylight ordered. The project is nearing completion.
POMFWP RVSS	\$150,000	Scot Collier	\$50,350	\$-	Staff ordered the soft start. Timing constraints suggest it will be installed next fiscal year.
Replace Fuel Monitoring and Dispensing System	\$150,000	Michael Carter	\$90,241	\$31,757	The new system is in service.
Replace Cationic Polymer and Thiosulfate System Pumps	\$125,000	Andy Reidling	\$6,700	\$3,953	Staff is preparing the old fluoride building to house cationic polymer.
Annual Network Server Replacement	\$70,000	Darin Klemin	\$49,263	\$49,263	Two servers have been received. A third will be ordered soon.
Ultrasonic Flow Meter Replacement	\$60,000	Alex Reidling	\$-	\$-	Procurement was approved at the March board meeting.
Portable Microbiology Testing System	\$50,000	Jeff Matheson	\$41,631	\$41,631	The equipment is functioning.
Replace Chemical Transfer Pumps	\$50,000	Andy Reidling	\$49,875	\$-	Pumps are on order.
LCWTP Ozone Control Valve Replacement	\$16,000	Alex Reidling	\$12,701	\$12,701	The valve was received.
Miscellaneous	\$100,000				
Replace pipe gallery UPS		Alex Reidling	\$58,094	\$-	The UPS was ordered.
Total	\$921,000		\$457,975	\$219,427	

¹ The Repair and Replace budget is managed to the bottom line; individual project encumbrances may exceed annual allocations.

Capacity Improvement Projects

Managed Aquifer Recharge Pilot Testing and Phase 1 (LC063)

Metro Water Project Manager: Ammon Allen
 Design Engineer: Hansen Allen and Luce
 Contractor (Wells): Hydro Resources
 Contractor (Basins): COP Construction

Project Description

Metro Water constructed 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.

Status

The project is complete. Water was introduced on March 26, 2026.

Budget

Activity	Est. Budget	Encumbered	Total Spent	FY25-Spent	FY26 Spent
Implementation Plan	\$96,000	\$78,488	\$78,488	\$78,488	\$-
Design (incl. ESDC)	\$965,500	\$961,937	\$934,912	\$849,206	\$85,706
Construction (Wells)	\$3,858,163	\$3,352,991	\$3,352,991	\$3,352,991	\$-
Construction (Basins)	\$5,828,221	\$5,601,873	\$5,601,873	\$5,533,873	\$68,000
Other District Purchases ¹	\$94,500	\$43,030	\$31,369	\$11,029	\$20,340
Total	\$10,842,384	\$10,038,319	\$9,999,632	\$9,825,587	\$174,045
Annual Allocation					\$180,000

¹ Other District Purchases includes system integration, network equipment, and chemical testing.

Change Orders

Wells

Change	Submitted	Description	Total
1		Reduce monitoring well casing size	\$(11,225)
2		Add 50' to monitoring wells	\$25,515
3		Extend wells to 6' above grade	\$42,331
4		Monitoring well adjustments	\$36,920
5	13-Jul-23	ASR well casing adjustment	\$29,580
6	22-Nov-23	ASR well chemical treatment	\$(142,903)
7	1-Apr-24	Injection testing	\$1,625
8	23-Jul-24	Units adjustment	\$(303,293)
		Total	\$(321,450)
		Percent of Contract	-8.75%

Basins

Change	Submitted	Description	Total
1		Pipe alignment and bracing adjustments	\$(11,728)
2		ASR pump, motor, and transformer adjustments	\$62,914
		Total	\$51,186
		Percent of Contract	0.9%

Jordan Valley Water Conservancy District (JVWCD)

Jordan Aqueduct System and 150th South Pipeline – Capital Projects

Metro Water is responsible for 2/7ths of Jordan Aqueduct (JA) system improvements which include JA Reaches 1 – 4, Jordan Valley Water Treatment Plant (JVWTP), and the JA Terminal Reservoir. Metro Water is responsible for one half of improvements associated with the 150th South pipeline. Projects identified for fiscal year 2026 include:

Rehabilitation or Replacement of Existing Facilities

• JVWTP Replace Filter Media	\$	430,857
• Normal Small Capital Improvements	\$	276,234
• JA Normal, Extraordinary Maintenance and Replacement	\$	223,571
• JVWTP Normal, Extraordinary Maintenance and Replacement	\$	389,957
• TR Normal Maintenance and Replacement	\$	19,336
• 150 th South Pipe Normal Maintenance and Replacement	\$	10,000

New Non-Capacity Facilities (Compliance/Functional Upgrade)

• Electrical Generators and Site Modifications Phase 2	\$	31,802
• JVWTP Filter and Chemical Feed Upgrades	\$	1,259,506
• JVWTP Floc/Sed 1-2 Seismic Upgrade	\$	45,116
• New Equipment and Emergency Response Building	\$	54,000
• Jordan Aqueduct Seismic Resiliency	\$	61,430

JVWTP Project Management Expenses \$ 50,000

Total Request FY2026: \$ 2,851,809

The following report is taken from JVWCD's April 2026 board packet and covers February 12 to March 12, 2026.

Whitaker Construction is installing new joint bonds inside the Jordan Aqueduct Reach 1 to increase cathodic protection. Interior butt straps will be installed in April.

Nelson Brothers Construction was awarded the Jordan Aqueduct Reach 2 Flow Control Structure Improvements project. The contractor is scheduling electrical work. The valve and meter replacement is scheduled to be performed in late 2026.

JVWTP Chemical Buildings HVAC Upgrades project is substantially complete; the contractor is finalizing controls on the chlorine dioxide building.

Concrete cylinders were cored from the 1580 West 3860 South Pipeline Maintenance, Equipment, and Parts Storage Facility to determine material strength as part of the seismic evaluation and retrofit design.

The contractor will mobilize in April for the JA-4 and AA-3 Cathodic System Upgrade project.

JVWCD will solicit feedback on Jordan Aqueduct Seismic Resiliency Study from CUWCD, USBR, PRWUA, and Metro Water in April.

Work is on schedule for all three external buildings (carbon feed, chlorine feed, and caustic feed) for the JVWTP Filter and Chemical Feed Upgrades Project. Foundation work is complete with significant reinforcing steel to meet modern seismic standards.