



November 7, 2022

To: Finance & Administration Committee Members

From: Pablo Arroyave, Chief Operating Officer

Subject: Proposed FY 2024 O&M Budget

In preparation for the Finance & Administration Committee (FAC) meeting scheduled on November 7, 2022 at 12:00 pm, the proposed FY24 budget packet is included for your review.

The Operations & Maintenance Technical Committee (OMTC) met on October 17, 2022 and reviewed the proposed budget in detail and participating committee members recommended approval of the FY24 O&M budget to the Finance and Administration Committee. Because a formal recommendation of the OMTC to the FAC to adopt an OM&R Budget requires the “yes” vote of at least eight of ten members, and only seven members were present, no formal recommendation was made.

The proposed FY24 total O&M Budget is \$26,721,380 compared to the FY23 budget of \$28,530,154 for an overall decrease of 6.34%. The total proposed self-funded portion paid by the water users is \$26,637,396 which is a decrease of 6.39% from the FY23 budget. The RO&M portion of the budget increased by 5.4%. The EO&M portion of the budget decreased by 13.45% and the Capital Improvement Projects (CIP-USBR Funded) decreased by 43.23%. (See Table on page FAC 7 for the FY2023 Approved, Proposed FY2024 Total Budget Summary information)

This budget includes an 8.7% salary adjustment placeholder. The Water Authority salary policy adopted in 2004, provides for salary adjustments based on salary surveys every three years and in the in-between years on the Consumer Price Index (CPI) for Pacific Cities (West with less than 2,500,000 Population). In 2006, relative to salary placeholders, the Water Authority established a policy (Pages FAC 5-6) of basing salary adjustments on the four-month average CPI of August-November for any given year the index is used. This policy directs that the average of August and September’s CPIs be used as a placeholder in the initial proposed budget. The August/September CPI average is 8.7 based on the August 2021 CPI of 8.7 and the September 2022 CPI of 8.7. Staff noted this salary placeholder at the OMTC meeting.

No new positions are proposed for FY24.

Adjusted Routine O&M (RO&M) Budget increase of 5.40% or approximately \$921K

Parts, Materials and Services (\$105.4K increase)

- Office Services and Supplies decreased \$6.6K (-10.21%)
 - Reduced to better match existing
- Mailing Costs decreased \$150 (-2.21%)
 - Reduced to better match existing
- Small tools increased \$4.4K (8.78%)
 - Increased due to Apprentice tool needs and increased cost of tools
- Clothing, Personal Protective Equipment (PPE) increased \$3K (6.10%)
 - Requirement for arc-flash rated clothing
 - Safety boot allowance raised to \$200/year
- Janitorial Supplies and Services decreased \$1.4K (-9.71%)
 - Reduced to better match existing
- Engineering Consultant increased \$15K (9.71%)
 - Increased due to the need for Civil Engineering consulting services associated with review and commenting on adjacent developments around the DMC
- Auditing Increased \$8K (19.05%)
 - Increase due to additional services needed in preparing Indirect Overhead Cost required for USBR Contracts
- Legal decreased \$37.5K (-28.41%)
 - Adjusted to match current projects
- Other Professional Services increased \$134.7K (55.25%)
 - Increase linked to shifting 70K from 5241 to 5231, adding 21K for Cyber Security Services (New item) and an increased budget for Affirma, STORM, and Shepherd T&M Technical Support
- Fees and Licenses increased \$3.2K (16.16%)
 - Increase due to cost associated with renewal of CPA, Notary, and PE licenses and increase in EPA/HazMat fees to better match actuals
- Computer Software increased \$13.2K (27.87%)
 - Increase due to cost of Multi-Factor Authentication software and anticipated software program updates
- Professional organization dues increased 1.6K (30.02%)

- Increase due to additional financial/accountant organization and engineering organization(ASCE/ASME/IEEE) memberships
- Conference & Training Costs increased \$39.5K (27.22%)
 - Class A license training
 - OSHA Crane operator, inspections, testing
 - Pesticide training courses
 - Water Treatment Plan D1 and T2 training and certification
- Employee and Group Meetings – Increased \$3K (11.17%)
 - Increase due to anticipated increase in the cost of group meetings
- Parts/Materials – Vehicle/Construction Equipment increased \$5K (6.25%)
 - Increase due to anticipated increase in the cost of vehicle and equipment parts and materials
- Petroleum, Oil, and Lubricants – Increased \$30.8K (12.13%)
 - Increase due to anticipated increase in the cost of diesel, unleaded and propane fuels
- Outside Services – Vehicle/Construction Equip \$6K (8.33%)
 - Increase due to anticipated increase in the cost of these services
- Outside Services – Facilities and plant equipment decreased \$129.4K (-32.41%)
 - Reduction due to decrease in the number of Special Projects requiring outside services such as machining and fabrication services
- Pipe, metal, and Treatments – increased \$6.9K (14.14%)
 - Increase due to anticipated increases in the cost of steel, pipe, and paint
- Sand, Backfill & Rock increased \$13.0K (86.67%)
 - Increase due to materials cost for graveling O&M road to several turnouts on unpaved side of DMC (\$11K)
- Chemicals increased \$11.8K (8.21%)
 - Increase due to anticipated increase in the cost of chemicals
- Hazardous Waste Disposal decreased \$11.5K (-40.64%)
 - Decreased to better match 5-year average of actual expenses
- Special Projects, Equipment and Services (see justifications) decreased \$277.4K
 - JPP Distribution Board DZC Breakers Upgrade
 - Fire Suppression System Service, Testing and Maintenance
 - Replace Civil Maintenance Millermatic 251 MIG Welder
 - Replacement machine shop equipment: Iron Worker, 90-ton hydraulic type

Insurance Premiums and Fees

- Increase of \$39.1K (15.40%) due to premium increases of approx. \$22K for General Liability and approx. \$17K for Property

Equipment/Capital Asset Purchases

- Net decrease from FY23 of \$2.6K, see justifications (-1.41%)

Extraordinary O&M (EO&M)

EO&M projects budget decreased by 13.45%, approximately \$991K.

The increase in EO&M labor causes an offsetting, direct decrease to the RO&M labor.

Capital Improvement Projects (CIP)

CIP Project budget decreased by 43.23%, approximately \$1.749M. The CIP in-house labor for FY23 will have a direct impact to the RO&M labor budget.

January 5, 2006

To: Board of Directors

From: Frances Mizuno

Subject: Index for Annual Salary Adjustments

Background

In 2004, the Board of Directors changed the Authority's Salary Policy such that salary surveys would only be conducted every three years and in the in-between year's salary adjustments would be based on the Consumer Price Index (CPI) for Pacific Cities (West of less than 1,500,000 Population). In addition, for consistency the use of September CPI of any given year is to be used as the basis for salary adjustments. September CPI was selected because that is the latest CPI data available when the budget goes through Finance Committee review in October.

Staff used the September, 2005 CPI of 4.1% as a placeholder in the proposed FY 2007 budget. The 4.1% CPI for September was a manifestation of the Katrina disaster and therefore was much higher than the previous month's index and higher than the October and November indexes that followed. During the Finance Committee review of the proposed budget, the issue was raised regarding the volatility of using one month as the index and the committee members expressed the desire to use an index closer to the fiscal year in which the salary adjustment was to be applied. Staff expressed the desire for consistency from one year to the next. The Finance Committee directed staff to review this issue and make a recommendation to the Board prior to the approval of the FY 2007 budget.

Recommendation

In making a recommendation, staff took into consideration the following key factors to determine the appropriate index for salary adjustments:

1. Finance Committee's desire to use the latest possible index as close to the applicable fiscal year.
2. Consistency. Need to have the same policy every year.
3. Volatility. A single month may not be reflective of the time frame.
4. Administratively/logistically practical.
5. Data used will allow for approval of budget in January. Member agencies need to have Authority's rates to prepare for individual district budgets.

Based on these factors, it is recommended that the Authority establish a policy that will use a four-month average index of August-November of any given year as the index used as the basis for salary adjustments. December data is not available until mid-January. In using the four months of August-November data, it takes out the volatility, uses the latest

four months of available data closest to the applicable fiscal year and allows for approval of the budget in January. In addition, using the latest four months also provides for a better indicator as to what may happen in the next year. Given that this policy is established and applied, then the factor of consistency is also met.

As far as meeting the administrative/logistically practical factor, it is recommended that during the budget review process during the months of October and until the budget is approved in January, the average of the August and September CPI is to be used as a placeholder in the proposed budget. This placeholder will be in place for the Finance Committee review, the initial Board submittal in December and the 30-day review by water users. Then when the proposed budget that is presented to the Board for approval in January the budget will be adjusted to reflect the four month August-November index as the proposed salary adjustment.

SAN LUIS & DELTA-MENDOTA WATER AUTHORITY

FY2023 APPROVED, PROPOSED FY2024 TOTAL BUDGET SUMMARY

O&M Budget Summary	Approved FY23 Budget	Proposed FY24 Budget	% Change FY23 - FY24
	A	B	(B-A)/A
<u>Routine O&M (Water Users)</u>	\$ 17,040,952	\$ 17,961,696	5.40%
<u>USBR Funded O&M</u> (Service Contract)	\$ 73,202	\$ 83,984	14.73%
<u>TOTAL (Water Users & USBR)</u>	<u>\$ 17,114,154</u>	<u>\$ 18,045,680</u>	<u>5.44%</u>
<u>Extraordinary O&M (Water Users)</u>	\$ 7,368,800	\$ 6,378,000	-13.45%
<u>Capital Improvements Projects</u>	\$ 4,047,200	\$ 2,297,700	-43.23%
<u>TOTAL (EO&M/CIP)</u>	<u>\$ 11,416,000</u>	<u>\$ 8,675,700</u>	<u>-24.00%</u>
<u>TOTAL</u> (includes Service Contract)	<u>\$ 28,530,154</u>	<u>\$ 26,721,380</u>	<u>-6.34%</u>
<u>Total Self-Funded Budget</u> (Water Users, excludes Service Contract)	<u>\$ 28,456,952</u>	<u>\$ 26,637,396</u>	<u>-6.39%</u>



**San Luis & Delta-Mendota Water Authority Illustrative SLDMWA O&M
Only - WY23 O&M Rates**

(Excludes PUE, SLJU, & Intertie DWR Conveyance)

FAC 11.7.22

	<u>WY 2023 Rate</u> 3/1/22-2/28/23 <u>Illustrative</u> WY2023	<u>WY 2022 Rate</u> 3/1/21-2/28/22 <u>Current</u> WY2022	Variance
WATER SUPPLY			
Irrigation	0%	0%	0%
M&I	50%	50%	0%
Refuge	75%	75%	0%
Exchange/Water Rights	75%	75%	0%
RATES			
Upper DMC	\$16.66	\$15.28	\$1.38
Upper DMC- Exchange/Wtr Rts	\$15.56	\$14.14	\$1.42
Lower DMC/Pool	\$20.67	\$19.19	\$1.48
Lower DMC/Pool - Exchange/Wtr Rts	\$19.57	\$18.05	\$1.52
San Felipe	\$23.82	\$22.31	\$1.51
SLC Above Dos Amigos	\$23.82	\$22.30	\$1.52
SLC Below Dos Amigos	\$23.82	\$22.29	\$1.53
San Luis Drain	\$0.97	\$0.91	\$0.06

San Luis & Delta-Mendota Water Authority
Extraordinary O&M Projects
Project Description and Justification Sheet

Project No.: C2015003 **Segment Code: 13-2024** **Priority: B-3-c**

Facility: DMC

Project Lead: CIVIL

Project Title: Subsidence Correction Project

Estimated Total Cost: \$2,297,700.00

Labor: \$287,700 Materials: \$0 Equipment: \$0 Contract Costs: \$2,010,000

Project Description and Scope:

This \$2M in contracts will be used to match funding that Reclamation will be transferring to the Authority to complete the Geotechnical investigations, phases 2, 3, & 4. It will also be added to Reclamation funds to demonstrate a local/federal cost share total of \$8.1M, ultimately bringing DWR's state contribution to a total of \$7.36M. The Geotechnical Investigation contract will be for \$2.71M, and the final design is estimated to cost \$9.6M, for a total cost of \$12.4M. Funding sources are listed below. Staff labor has been added to support the projects as well.

Note: \$10k included for legal services.

Project Purpose and Background

The Delta-Mendota Canal (DMC) has experienced significant subsidence along its entire 116.5-mile length since original construction occurred in 1951. As a result of subsidence, the available freeboard for the canal lining and the canal embankment, and clearances between water surface elevations and structures crossing the canal, no longer meet Reclamation standards. The combination of reduced freeboard and impacted structures requires the DMC be operated at a lower elevation thereby reducing the conveyance capacity of the canal. The continued safe and reliable operation of the DMC is critical to the users it serves, and the economies it supports. The DMC Subsidence Correction Project (Project) has been developed to restore the capacity of the DMC. The scope of the Project is to raise deficient lining, embankments, and impacted structures to restore the canal to original design flow capacity. To date we have completed the appraisal level studies (surveys, modeling, value planning, and feasibility level cost estimate), and are currently in the planning phase consisting of a Feasibility Study, Preliminary Geotechnical Investigation, and a Design, Engineering & Construction (DEC) Review. The design phase is the next step of the process prior to pre-construction and construction.

Project Status:

FY2024 Project - Awaiting Funding/Approval

FY2023 - In progress. Funding supports the Project Feasibility Study Activities, USBR Financial Assistance Agreement Management Activities and DWR Funding Agreement Management Activities
FY2022 & 2021 – Completed. Funding supported the Project Appraisal Level Study activities by SLDMWA and USBR.

Funding Sources	Funding Amount
EO&M FY21	\$ 540,100
EO&M FY22	\$ 500,000
EO&M FY24 (Proposed)	\$ 2,000,000
DWR Grant (Agreement Executed 4/4/2022)	\$ 3,306,926
USBR Non-Reimbursable (FAA agreement amendment to be executed)	\$ 2,000,000
DWR Grant (Agreement amendment to be executed)	\$ 4,050,000
Totals:	\$ 12,397,026

San Luis & Delta-Mendota Water Authority

EXTRAORDINARY O&M, RESERVE AND SPECIAL FUNDED PROJECTS

FY 2024 PROJECTS FUNDING SUMMARY

Project Type: EXTRAORDINARY O&M (Fund 26)

<u>Project #</u>	<u>Fac</u>	<u>Project Title</u>	<u>Segment Code</u>	<u>Priority</u>	<u>Labor</u>	<u>Parts/Mat'ls</u>	<u>Equip.</u>	<u>Contract</u>	<u>Total</u>
M1994022	ONP	Cooling Water System Rehabilitation Design	26-L0	B-2-b	\$7,100	\$0	\$0	\$325,000	\$332,100
E2009005	JPP	Excitation System & Control Modernization Phase 1	26-F9	B-2-c	\$209,900	\$0	\$0	\$1,605,000	\$1,814,900
E1995005	ONP	Main Transformer Rehabilitation - Supplemental Funding	26-G3	B-3-b	\$341,400	\$5,000	\$0	\$810,000	\$1,156,400
C1997002	DMC	O&M Road Maintenance Program - Phase 2 of 5	26-E6	B-4-b	\$8,900	\$0	\$0	\$562,100	\$571,000
C2021001	DMC	Bridge Abutment Repair at MP 92.73 - Supplemental Funding	26-I4	B-4-b	\$125,700	\$8,300	\$0	\$189,500	\$323,500
M2019038	ONP	Sand Filter System Rehabilitation Design	26-L2	B-4-b	\$7,100	\$0	\$0	\$375,000	\$382,100
M2019037	ONP	Plant Water Storage Tank Rehabilitation	26-L3	B-4-c	\$87,200	\$20,000	\$0	\$2,000	\$109,200
EXTRAORDINARY O&M (Fund 26) PROJECT TOTALS:					\$787,300	\$33,300	\$0	\$3,868,600	\$4,689,200

Project Type: RESERVE (Fund 26)

<u>Project #</u>	<u>Fac</u>	<u>Project Title</u>	<u>Segment Code</u>	<u>Priority</u>	<u>Labor</u>	<u>Parts/Mat'ls</u>	<u>Equip.</u>	<u>Contract</u>	<u>Total</u>
S2024001	ALL	SCADA Replacement & Modernization Program (Reserve Fund)	26-D4	B-4-c	\$464,500	\$0	\$0	\$144,200	\$608,700
V1999001	ALL	Heavy Equipment Replacement Program (Reserve Fund)	26-D2	B-5-b	\$9,900	\$0	\$0	\$417,200	\$427,100
V1999002	ALL	Vehicle Replacement (Reserve Fund)	26-D1	B-6-c	\$10,800	\$0	\$0	\$216,300	\$227,100
C2011001	ALL	Facility Infrastructure Replacement/Rehabilitation Program	26-D3	B-7-c	\$34,400	\$0	\$0	\$133,000	\$167,400
E2000004	ALL	Replace Computer/Network Communication Equip (Reserve Fund)	26-D0	C-6-b	\$141,800	\$0	\$0	\$116,700	\$258,500
RESERVE (Fund 26) PROJECT TOTALS:					\$661,400	\$0	\$0	\$1,027,400	\$1,688,800

FUND 26 PROJECT TOTALS: \$1,448,700 \$33,300 \$0 \$4,896,000 \$6,378,000

Project Type: SPECIAL FUNDED (Fund 25)

<u>Project #</u>	<u>Fac</u>	<u>Project Title</u>	<u>Segment Code</u>	<u>Priority</u>	<u>Labor</u>	<u>Parts/Mat'ls</u>	<u>Equip.</u>	<u>Contract</u>	<u>Total</u>
C2015003	DMC	Subsidence Correction Project	25-I3	B-3-c	\$287,700	\$0	\$0	\$2,010,000	\$2,297,700
SPECIAL FUNDED (Fund 25) PROJECT TOTALS:					\$287,700	\$0	\$0	\$2,010,000	\$2,297,700

FUND 25 PROJECT TOTALS: \$287,700 \$0 \$0 \$2,010,000 \$2,297,700

FISCAL YEAR 2024 GRAND TOTAL (Funds 25 & 26): \$1,736,400 \$33,300 \$0 \$6,906,000 \$8,675,700

EO&M #	Project Title	<div>BIL List</div>	Facility	Priority	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	10 Yr Plan Total
Fund: 26	Estimated Project Cost (x \$1,000)														
	EXTRAORDINARY O&M PROJECTS														
M1994022	ONP Cooling Water System Rehabilitation (VP STUDY)	☑	ONP	B- 2 - b	332.1	500.0									832
E2009005	Excitation System & Control Modernization	☑	JPP	B- 2 - c	1,814.9	1,585.4	1,664.7	1,747.9	1,835.3	1,927.1					10,575
E1995005	Main Transformer Rehabilitation	☑	ONP	B- 3 - b	1,156.4										1,156
C1997002	O&M Road Maintenance Program	☐	DMC	B- 4 - b	571.0		668.0		736.5		812.0		895.2		3,683
C2021001	Bridge Abutment Repair at MP 92.73	☐	DMC	B- 4 - b	323.5										324
M2019038	Sand Filter System Rehabilitation/Replacement (VP STUDY)	☑	ONP	B- 4 - b	382.1	600.0									982
M2019037	Plant Water Storage Tank Rehabilitation (VP STUDY)	☑	ONP	B- 4 - c	109.2										109
E2019004	Penstock Cathodic Protection System Replacement	☑	DCI	B- 2 - b		88.0									88
M2022002	Pump Assembly & Penstock Rehabilitation Program (VP STUDY)	☑	ONP	B- 3 - b			2,623.6	2,702.0	2,783.4	2,850.0	2,000.0	2,250.0			15,209
C2015004	DMC 5 Yr Subsidence Survey	☐	DMC	B- 3 - c		83.0					91.0				174
M2019002	Sandfilter System Rehabilitation	☑	JPP	B- 4 - c		100.0									100
M2019028	Plant Flowmetering System Rehabilitation	☑	JPP	B- 4 - c		250.0									250
M2019001	O'Neill PP Bridge Crane Rehabilitation (VP STUDY)	☑	ONP	B- 5 - c		200.0									200
M2019044	Machine Shop Crane Rehabilitation	☐	JPP	B- 5 - c		75.0									75
E2022005	Unit Protection Equipment Replacement (VP STUDY)	☐	ONP	B- 2 - b			90.0	200.0	220.0	240.0	260.0	280.0	300.0		1,590
M2022001	Pump Bowl Replacement Program (ALL UNITS) (VP STUDY)	☐	ONP	B- 3 - b			5,582.8	4,549.4							10,132
M2015003	Rehabilitate Coating on Pump Casings & Bifurcation	☑	JPP	B- 3 - c			100.0	102.0	104.0						306
M2017001	OPP Shaft Sleeve Manufacturing (VP STUDY)	☑	ONP	B- 4 - b			215.0	250.0							465
M2019022	HVAC System Rehabilitation/Replacement	☑	JPP	B- 4 - b			400.0								400
E2019003	Check Electrical Equipment Rehabilitation	☐	DMC	B- 4 - c			84.0								84
E2023003	Electric Vehicle Charging Stations (All)	☐	ALL	B- 4 - c			150.1								150
C2022001	Retaining Wall Rehabilitation	☐	JPP	B- 5 - b			125.0								125
E2019030	Plant Security System Improvements	☑	ONP	C- 5 - d			109.0								109
E2015001	TFO/LBFO/DCI Arc Flash Study	☐	ALL	A- 1 - b				225.0					248.0		473
E2019024	Station Service Backup Battery System Replacement	☑	JPP	B- 2 - c				115.0							115
E2004002	Unit Rotor & Stator Rewind (All Units) (VP STUDY)	☑	ONP	B- 3 - b				490.1	2,250.0	2,295.0	2,341.0	2,388.0	2,435.0	2,484.0	14,683
E2022001	Plant Protective Relay Replacement	☐	DCI	B- 3 - b				250.0							250
E2009004	UPS Battery Replacement	☑	JPP	B- 4 - b				88.0							88
M1999002	Unit Woodward Governor Replacement (All Units) (VP STUDY)	☑	ONP	B- 4 - c				457.1	295.0	295.0	295.0	295.0	295.0	295.0	2,227
M2019016	Siphon Breaker Valve Control System Rehabilitation	☑	JPP	B- 4 - c				100.0							100
M2019014	Stoplog Rehabilitation	☑	JPP	B- 5 - b				250.0							250
M2019009	Flowmetering Upgrade	☐	DCI	B- 5 - c				100.0							100
M2019026	Stoplog Rehabilitation (Lakeside)	☑	ONP	B- 5 - c				75.0							75
M2019049	Lakeside & Canalside Trashrack Replacement	☑	ONP	B- 5 - c				175.7							176
M2014002	Rebalance Unit 5 Impeller	☐	JPP	B- 3 - c					305.0						305
C2019004	TFO O&M Complex Pavement Rehabilitation	☑	TFO	B- 4 - b					250.0						250
E2019025	Plant Security System Upgrades	☑	JPP	B- 5 - c					75.0						75
C2016001	DMC Road Rehabilitation	☑	DMC	B- 4 - b						391.0					391
M2019025	100 Ton Gantry Crane Rehabilitation	☑	JPP	B- 4 - c						300.0					300
M2019043	HVAC System Rehabilitation/Replacement	☑	ONP	B- 4 - c						100.0					100
E2019010	Plant Flowmeter System Rehabilitation	☑	ONP	B- 5 - c						244.0					244
M2019033	Plant Roof Surface Replacement	☑	ONP	B- 7 - c						100.0					100

EO&M #	Project Title	<div>BIL List</div>	Facility	Priority	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	10 Yr Plan Total
C1996012	Intake Channel Embankment Stabilization	<input checked="" type="checkbox"/>	DMC	B- 3 - b							300.0				300
C2019001	Radial Gate Rehabilitation Program	<input checked="" type="checkbox"/>	DMC	B- 3 - c							400.0	408.0	416.0	424.0	1,648
M2019015	Trashrack Cleaner Rehabilitation	<input checked="" type="checkbox"/>	JPP	B- 4 - c							300.0				300
M2019045	Stub Shaft Crane Rehabilitation	<input type="checkbox"/>	JPP	B- 4 - c							60.0				60
M2022003	Trashrack Cleaner & Stoplog Crane Rehabilitation/Automation	<input checked="" type="checkbox"/>	ONP	B- 4 - c								750.0			750
M2022004	Check Structure Mech Equipment Rehab/Replacement Program	<input checked="" type="checkbox"/>	DMC	B- 4 - c							600.0				600
C2019005	Penstock/Manifold Interior Coating Rehabilitation	<input checked="" type="checkbox"/>	DCI	B- 5 - b							150.0				150
E2019019	Plant Security System Improvements	<input checked="" type="checkbox"/>	DCI	B- 5 - b							50.0				50
M2019048	Plant Hydraulic System Rehabilitation/Replacement	<input type="checkbox"/>	JPP	B- 5 - c							125.0				125
E2015003	Arc Flash Study - JPP	<input type="checkbox"/>	JPP	A- 1 - b								105.0			105
E2022003	Plant Protective Relay Replacement	<input checked="" type="checkbox"/>	JPP	B- 2 - b								150.0			150
C2023003	Recoat Exterior of All Penstocks	<input type="checkbox"/>	ONP	B- 4 - c								500.0			500
M2010001	TFO Domestic/Potable Waterline Replacement	<input type="checkbox"/>	JPP	B- 5 - c								250.0			250
E2019001	Pump & Motor Rehabilitation	<input checked="" type="checkbox"/>	DCI	B- 3 - c									259.0	264.0	523
E2019015	Plant Motor Control Center Upgrades	<input checked="" type="checkbox"/>	DCI	B- 3 - c									150.0	153.0	303
C2019002	Canal Embankment Erosion Protection	<input checked="" type="checkbox"/>	DMC	B- 4 - b									350.0		350
M2019008	Pump Intake Diffuser Panel Rehabilitation/Replacement	<input type="checkbox"/>	DCI	B- 4 - c									75.0		75
M2019035	TFO Industrial Water Storage Tank Rehabilitation	<input type="checkbox"/>	TFO	B- 4 - c									125.0		125
M2019041	CA Turnout Slide Gate Rehabilitation/Replacement	<input checked="" type="checkbox"/>	DCI	B- 4 - c									150.0		150
E2019022	Plant Annunciator Modernization	<input checked="" type="checkbox"/>	DCI	B- 5 - b									150.0		150
M2008002	Cooling Water Line Replacement	<input checked="" type="checkbox"/>	JPP	B- 4 - b										100.0	100

FY TOTALS (x \$1,000):					\$4,689.2	\$3,481.4	\$11,812.2	\$11,877.2	\$8,854.2	\$8,742.1	\$7,784.0	\$7,376.0	\$5,848.2	\$5,848.2	
RESERVE PROJECTS															
Estimated Project Cost (x \$1,000)															
S2024001	SCADA Replacement & Modernization Program (Reserve Fund)	<input checked="" type="checkbox"/>	ALL	B- 4 - c	608.7	629.2	564.8	498.9	451.7	372.9	301.7	262.6	221.9	297.2	4,210
V1999001	Heavy Equipment Replacement Program (Reserve Fund)	<input type="checkbox"/>	ALL	B- 5 - b	427.1	111.0	10.5	10.8	214.0	318.4	177.8	12.2	247.4	553.2	2,082
V1999002	Vehicle Replacement Program (Reserve Fund)	<input type="checkbox"/>	ALL	B- 6 - c	227.1	192.6	327.3	337.1	128.2	157.0	442.2	216.0	223.8	116.3	2,368
C2011001	Facility Infrastructure Replacement/Rehabilitation Program	<input type="checkbox"/>	ALL	B- 7 - c	167.4	117.4	124.5	67.6	139.7	99.9	72.1	157.3	71.6	44.9	1,062
E2000004	Replace Computer/Network Comm Equip (Reserve Fund)	<input type="checkbox"/>	ALL	C- 6 - b	258.5	272.1	226.4	261.7	290.6	251.5	283.9	293.6	325.7	285.6	2,750
FY TOTALS (x \$1,000):					\$1,688.8	\$1,322.3	\$1,253.5	\$1,176.1	\$1,224.2	\$1,199.7	\$1,277.7	\$941.7	\$1,090.4	\$1,090.4	
					2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
FUND 26 PROJECTS FY TOTALS (x \$1,000):					\$6,378.0	\$4,803.7	\$13,065.6	\$13,053.3	\$10,078.4	\$9,941.7	\$9,061.7	\$8,317.7	\$6,938.6	\$5,017.2	

EO&M #	Project Title	<div>BIL List</div>	Facility	Priority	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	10 Yr Plan Total
Fund: 25															
CAPITAL IMPROVEMENT PROJECTS		Estimated Project Cost (x \$1,000)													
C2015003	DMC Subsidence Correction Project	☑	DMC	B- 3 - c	2,297.7	50,000.0	50,000.0	50,000.0	50,000.0	50,000.0	50,000.0	50,000.0	50,000.0	50,000.0	452,298
E2015004	Station Service & Distribution Equip Replacement-DesignOnly	☑	JPP	A- 1 - b		1,500.0									1,500
E2019005	Station Service SWBD & Breaker Replacement (See E2015004)	☑	JPP	B- 2 - b			450.0		2,600.0	2,675.0					5,725
E2022004	Switchgear Paralleling	☑	JPP	B- 3 - c			2,000.0								2,000
C1994005	Design & Construct Warehouse & Machine Shop Building	☐	ONP	B- 4 - c			150.0	400.0							550
E2023002	Main Transformer Replacement Project	☑	ONP	B- 3 - b					215.0	500.0	7,500.0	7,500.0	7,500.0		23,215
C2015006	Replace DMC Althea Ave Bridge	☑	DMC	B- 4 - c					1,500.0	1,545.0					3,045
C2015005	Replace DMC Russell Ave Bridge	☑	DMC	B- 4 - c							1,500.0	1,545.0			3,045
M2019030	Design & Install Forebay Trashrack Cleaner & Stoplog Hoist	☑	ONP	B- 5 - d										200.0	200
FY TOTALS (x \$1,000):					\$2,297.7	\$51,500.0	\$52,600.0	\$50,400.0	\$54,315.0	\$54,720.0	\$59,000.0	\$59,045.0	\$57,500.0	\$57,500.0	
					<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>	<u>2032</u>	<u>2033</u>	
FUND 25 PROJECTS FY TOTALS (x \$1,000):					\$2,297.7	\$51,500.0	\$52,600.0	\$50,400.0	\$54,315.0	\$54,720.0	\$59,000.0	\$59,045.0	\$57,500.0	\$50,200.0	

	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>	<u>2032</u>	<u>2033</u>
FISCAL YEAR GRAND TOTALS:	\$8,675.7	\$56,303.7	\$65,665.6	\$63,453.3	\$64,393.4	\$64,661.7	\$68,061.7	\$67,362.7	\$64,438.6	\$55,217.2

10 Year Plan EO&M and Special Funded Project Grand Total (x\$1,000): \$578,233.7



San Luis & Delta-Mendota Water Authority

Regular Operation & Maintenance And Extraordinary O&M & Capital Improvement Budget

PRELIMINARY DRAFT

**Fiscal Year
2024**



TO: OPERATIONS & MAINTENANCE TECHNICAL COMMITTEE

**Chris White, Chairman
Bobby Pierce
Jeff Bryant
Juan Cadena
Nader Noori**

**Gary Nagaoka
Bill Pierce
Chris Hickernell
Danny Wade
Designated Alternates**

FROM: Chauncey Lee, Operations & Maintenance Manager

DATE: October 17, 2022

SUBJECT: Approval of Proposed Fiscal Year 2024 Operations & Maintenance Budget

This memo provides a summary of the major changes between the proposed FY24 and the FY23 Total O&M Budgets.

The proposed FY24 total O&M Budget is \$26,230,439 compared to the FY23 budget of \$28,530,154 for an overall decrease of 8.06%. The total proposed self-funded portion paid by the water users is \$26,146,441 which is a decrease of 8.12% from the FY23 budget. The RO&M portion of the budget increased by 5.50%. The EO&M portion of the budget decreased by 13.45% and the Capital Improvement Projects (CIP-USBR Funded) decreased by 55.58%.

Relative to salary placeholders, in 2006 the Authority established a policy (attached) of using a four-month average CPI of August-November of any given year as the index used as the basis for salary adjustments. Given the October review by the O&M Technical Committee, the same policy directs that the average of August and September CPI be used as a placeholder in the initial proposed budget. The average of the August CPI (8.7%) and September 2022 (8.7%) is 8.7%. This placeholder is included in the proposed budget.¹ Staff expects to discuss the salary placeholder with the O&M Technical Committee in the upcoming meeting, and notes that the salary placeholder is subject to change.

No new positions are proposed for FY24.

¹ Last year, given assumptions that the high CPI numbers would be temporary, the Board approved a 5% salary adjustment, notwithstanding that the four-month August-November CPI was 6.125% for the same period.

Adjusted Routine O&M (RO&M) Budget increase of 5.50% or \$929.8K

Parts, Materials and Services (\$118.4K increase)

- Office Services and Supplies decreased \$6.6K (-10.21%)
 - Reduced to better match existing
- Mailing Costs decreased \$650 (-8.90%)
 - Reduced to better match existing
- Small tools increased \$4.8K (9.66%)
 - Increased due to Apprentice tool needs and increased cost of tools
- Clothing, Personal Protective Equipment (PPE) increased \$3.1K (6.32%)
 - Requirement for arc-flash rated clothing
 - Safety boot allowance raised to \$200/year
- Janitorial Supplies and Services decreased \$1.4K (-9.71%)
 - Reduced to better match existing
- Engineering Consultant increased \$15K (9.71%)
 - Increased due to the need for Civil Engineering consulting services associated with review and commenting on adjacent developments around the DMC
- Auditing Increased \$8K (19.05%)
 - Increase due to additional services needed in preparing Indirect Overhead Cost required for USBR Contracts
- Legal decreased \$24.5K (-18.56%)
 - Adjusted to match current projects
- Other Professional Services increased \$134.7K (55.25%)
 - Increase linked to shifting 70K from 5241 to 5231, adding 21K for Cyber Security Services (New item) and an increased budget for Affirma, STORM, and Shepherd T&M Technical Support
- Fees and Licenses increased \$3.2K (16.16%)
 - Increase due to cost associated with renewal of CPA, Notary, and PE licenses and increase in EPA/HazMat fees to better match actuals
- Computer Software increased \$13.2K (27.87%)
 - Increase due to cost of Multi-Factor Authentication software and anticipated software program updates
- Professional organization dues increased 1.6K (30.02%)
 - Increase due to additional financial/accountant organization and engineering organization(ASCE/ASME/IEEE) memberships

- Conference & Training Costs increased \$39.5K (27.22%)
 - Class A license training
 - OSHA Crane operator, inspections, testing
 - Pesticide training courses
 - Water Treatment Plan D1 and T2 training and certification
- Employee and Group Meetings – Increased \$3K (11.17%)
 - Increase due to anticipated increase in the cost of group meetings
- Parts/Materials – Vehicle/Construction Equipment increased \$5K (6.25%)
 - Increase due to anticipated increase in the cost of vehicle and equipment parts and materials
- Petroleum, Oil, and Lubricants – Increased \$30.8K (12.13%)
 - Increase due to anticipated increase in the cost of diesel, unleaded and propane fuels
- Outside Services – Vehicle/Construction Equip \$6K (8.33%)
 - Increase due to anticipated increase in the cost of these services
- Outside Services – Facilities and plant equipment decreased \$129.4K (-32.41%)
 - Reduction due to decrease in the number of Special Projects requiring outside services such as machining and fabrication services
- Pipe, metal, and Treatments – increased \$6.9K (14.14%)
 - Increase due to anticipated increases in the cost of steel, pipe, and paint
- Sand, Backfill & Rock increased \$13.0K (86.67%)
 - Increase due to materials cost for graveling O&M road to several turnouts on unpaved side of DMC (\$11K)
- Chemicals increased \$11.7K (8.21%)
 - Increase due to anticipated increase in the cost of chemicals
- Hazardous Waste Disposal decreased \$11.5K (-40.64%)
 - Decreased to better match 5-year average of actual expenses
- Special Projects, Equipment and Services (see justifications) decreased \$277.4K
 - JPP Distribution Board DZC Breakers Upgrade
 - Fire Suppression System Service, Testing and Maintenance
 - Replace Civil Maintenance Millermatic 251 MIG Welder
 - Replacement machine shop equipment: Iron Worker, 90-ton hydraulic type

Insurance Premiums and Fees

- Increase of \$39.1K (15.40%) due to premium increases of approx. \$22K for General Liability and approx. \$17K for Property

Equipment/Capital Asset Purchases

- Net decrease from FY23 of \$2.6K, see justifications (-1.41%)

January 5, 2006

To: Board of Directors

From: Frances Mizuno

Subject: Index for Annual Salary Adjustments

Background

In 2004, the Board of Directors changed the Authority's Salary Policy such that salary surveys would only be conducted every three years and in the in-between years salary adjustments would be based on the Consumer Price Index (CPI) for Pacific Cities (West of less than 1,500,000 Population). In addition, for consistency the use of September CPI of any given year is to be used as the basis for salary adjustments. September CPI was selected because that is the latest CPI data available when the budget goes through Finance Committee review in October.

Staff used the September, 2005 CPI of 4.1% as a placeholder in the proposed FY 2007 budget. The 4.1% CPI for September was a manifestation of the Katrina disaster and therefore was much higher than the previous months index and higher than the October and November indexes that followed. During the Finance Committee review of the proposed budget, the issue was raised regarding the volatility of using one month as the index and the committee members expressed the desire to use an index closer to the fiscal year in which the salary adjustment was to be applied. Staff expressed the desire for consistency from one year to the next. The Finance Committee directed staff to review this issue and make a recommendation to the Board prior to the approval of the FY 2007 budget.

Recommendation

In making a recommendation, staff took into consideration the following key factors to determine the appropriate index for salary adjustments:

1. Finance Committee's desire to use the latest possible index as close to the applicable fiscal year.
2. Consistency. Need to have the same policy every year.
3. Volatility. A single month may not be reflective of the time frame.
4. Administratively/logistically practical.
5. Data used will allow for approval of budget in January. Member agencies need to have Authority's rates to prepare for individual district budgets.

Based on these factors, it is recommended that the Authority establish a policy that will use a four month average index of August-November of any given year as the index used as the basis for salary adjustments. December data is not available until mid-January. In using the four months of August-November data, it takes out the volatility, uses the latest

four months of available data closest to the applicable fiscal year and allows for approval of the budget in January. In addition, using the latest four months also provides for a better indicator as to what may happen in the next year. Given that this policy is established and applied, then the factor of consistency is also met.

As far as meeting the administrative/logistically practical factor, it is recommended that during the budget review process during the months of October and until the budget is approved in January, the average of the August and September CPI is to be used as a placeholder in the proposed budget. This placeholder will be in place for the Finance Committee review, the initial Board submittal in December and the 30-day review by water users. Then when the proposed budget that is presented to the Board for approval in January the budget will be adjusted to reflect the four month August-November index as the proposed salary adjustment.

SAN LUIS & DELTA-MENDOTA WATER AUTHORITY

FY2023 APPROVED, PROPOSED FY2024 TOTAL BUDGET SUMMARY

O&M Budget Summary	Approved FY23 Budget	Proposed FY24 Budget	% Change FY23 - FY24
	A	B	(B-A)/A
<u>Routine O&M (Water Users)</u> ¹	\$ 17,040,952	\$ 17,970,741	5.46%
<u>USBR Funded O&M</u> ¹ (Service Contract)	\$ 73,202 A _{SC}	\$ 83,998 B _{SC}	14.75%
<u>TOTAL (Water Users & USBR)</u>	\$ 17,114,154 A1	\$ 18,054,739 B1	5.50%
<u>Extraordinary O&M (Water Users)</u> ²	\$ 7,368,800 A _{EO&M}	\$ 6,378,000 B _{EO&M}	-13.45%
<u>Capital Improvements Projects</u> ²	\$ 4,047,200 A _{CIP}	\$ 1,797,700 B _{CIP}	-55.58%
<u>TOTAL (EO&M/CIP)</u>	\$ 11,416,000 A2	\$ 8,175,700 B2	-28.38%
<u>TOTAL</u> (includes Service Contract)	\$ 28,530,154 A3 = A1+A2	\$ 26,230,439 B3 = B1+B2	-8.06%
<u>Total Self Funded Budget</u> (Water Users, excludes Service Contract)	\$ 28,456,952 A4 = A3-A _{SC}	\$ 26,146,441 B4 = B3-B _{SC}	-8.12%

NOTES:

1. These totals include estimated indirect costs.
2. These totals are found on the EO&M Projects FY24 Funding Summary (Pg OMTC - 36/107)

COLUMN	B	C	C vs B	C - B	COMMENTS - 2024
SLDMWA ANNUAL BUDGET ROUTINE O&M BUDGET FY24 SELF-FUNDED & USBR - FUNDED O&M ONLY	2023 APPROVED BUDGET	2024 PROPOSED BUDGET			A comment is necessary for any variance greater than 5%, except all payroll related changes.
SUMMARY (no EO&M & CIP) <i>Proposed Budget</i>	FY23	FY24			
5101 Salaries	8,554,574	9,277,760	8.45%	723,186	
5102 Overtime	318,400	308,000	-3.27%	-10,400	
5103 Salary Related Benefits	1,710,915	1,855,552	8.45%	144,637	
5108 Sick Cash Out Expense	20,000	22,000	0.00%	2,000	
5141 Health Insurance - SLDMWMA Contr	2,386,616	2,312,887	-3.09%	-73,730	
Subtotal Salaries & Employee Benefits	12,990,506	13,776,199	6.05%	785,693	
5210 Office Services & Supplies	64,650	58,050	-10.21%	-6,600	Reduced to better match existing expenses
5211 Mailing Costs	7,300	6,650	-8.90%	-650	Reduced to better match existing expenses
5216 Small Tools	49,700	54,500	9.66%	4,800	Increase due to Apprentice tool needs and increased cost of tools
5221 Clothing, Personal Equip/Laundry Svcs	48,250	51,300	6.32%	3,050	Increase due to Arc Flash PPE and increased cost of clothing
5226 Janitorial Supplies & Services	13,900	12,550	-9.71%	-1,350	Reduced to better match existing expenses
5227 Engineering Consultant	154,500	169,500	9.71%	15,000	Increase due to need for Civil Engineering consulting services associated with review and commenting on adjacent developments around the DMC
5228 Auditing	42,000	50,000	19.05%	8,000	Increase due to additional services needed in preparing Indirect Overhead Cost required for USBR Contracts
5229 Legal	132,000	107,500	-18.56%	-24,500	Reduced based on anticipated need
5231 Other Professional Services	243,800	378,500	55.25%	134,700	Increase linked to shifting \$70K from 5241 to 5231, adding \$21K for Cyber Security Services(New Item)and an increased budget for Affirma, STORM, and Shepherd T&M Technical Support
5236 Security Services/Systems	0	0	0.00%	0	
5237 Fees & Licenses	19,870	23,080	16.16%	3,210	Increase due to cost associated with renewal of CPA, Notary, and PE Licenses, and increases in EPA/HazMat fees to better match actuals
5241 Other Services & Expenses	445,840	443,630	-0.50%	-2,210	
5243 Computer Software	47,400	60,610	27.87%	13,210	Increase due to Multi-Factor Authentication software and anticipated software program upgrades
5245 Contract Labor	0	0	0.00%	0	
5246 Rents/Leases - Ofc. Machinery & Equipment	2,940	2,940	0.00%	0	
5247 Organizational Membership Dues	25,000	25,000	0.00%	0	
5251 Professional Organization Dues	5,330	6,930	30.02%	1,600	Increase due to additional financial/accountant organization and engineering organization (ASCE/ASME/IEEE) memberships
5256 Conference & Training Costs	145,115	184,615	27.22%	39,500	Increase due to Class A license training, Water Treatment Plant D1 and TP training and certification, and increase in cost for Crane Operator and Pesticide training courses.
5261 Travel	95,600	97,600	2.09%	2,000	
5271 Employee & Group Meetings	26,850	29,850	11.17%	3,000	Increase due to anticipated increase in the cost of meeting expenses
5286 Parts/Materials - Vehicle/Constrct Equip	80,000	85,000	6.25%	5,000	Increase due to anticipated increase in the cost for vehicle & equipment parts and materials
5288 Petroleum, Oil & Lubricants	253,950	284,750	12.13%	30,800	Increase due to anticipated increase in cost of diesel, unleaded gas, and propane fuels
5291 Outside Services - Vehicle/Constrct Equip	72,050	78,050	8.33%	6,000	Increase due to anticipated increase in the cost of these services
5296 Rents/Leases - Vehicle/Constrct Equip	53,500	56,000	4.67%	2,500	
5301 Parts & Materials - Bldg/Gmnds/Mach/Equip	548,700	534,800	-2.53%	-13,900	
5311 Outside Services - Bldg/Gmnds/Mach/Equip	399,200	269,800	-32.41%	-129,400	Reduction due to decrease in the number of Special Projects requiring outside services such as machining and fabrication services
5316 Rents/Leases - Land & Buildings	137,160	137,160	0.00%	0	
5331 Pipe, Metal & Treatments	48,800	55,700	14.14%	6,900	Increase due to anticipated increase in the cost of steel, pipe, and paint
5341 Sand, Backfill & Rock	15,000	28,000	86.67%	13,000	Increase due to materials cost for graveling O&M road to several turnouts on unpaved side of DMC(\$11K)
5351 Concrete & Paving Material	30,000	30,000	0.00%	0	
5361 Chemicals	143,313	155,075	8.21%	11,762	Increase due to anticipated increase in the cost of chemicals
5372 Telephone Expenses	113,910	117,030	2.74%	3,120	
5373 Energy	76,600	76,600	0.00%	0	
5374 Radio Communications	0	0	0.00%	0	
5375 Network Communications	78,000	79,000	1.28%	1,000	
5376 Hazardous Waste Disposal	28,300	16,800	-40.64%	-11,500	Decreased to better match 5-year average of actual expenses
5377 Disposal Expense	37,380	37,780	1.07%	400	
Subtotal Services & Supplies	3,685,908	3,804,350	3.21%	118,442	
5401 Insurance Premiums & Fees	253,550	292,600	15.40%	39,050	Increase based on current invoices.
Subtotal Other Charges	253,550	292,600	15.40%	39,050	
5521 New/Replacement Equipment & Furniture	155,190	152,590	-1.68%	-2,600	
5523 Computer Hardware	19,000	19,000	0.00%	0	
5526 Water Meters	10,000	10,000	0.00%	0	
5541 Automotive & Light Trucks	0	0	0.00%	0	
5544 Heavy Equipment	0	0	0.00%	0	
5561 Construction Equipment/Payment	0	0	0.00%	0	
Subtotal Capital Assets	184,190	181,590	-1.41%	-2,600	
TOTAL ROUTINE O&M BUDGET	17,114,154	18,054,739	5.50%	940,585	

RO&M BUDGET FY 2024 LINE ITEM DETAIL

Revised: 10.11.22		97.82%																										
13,177,712.14		10.99%																										
SLDMWA ANNUAL BUDGET		Total	FUND 26	Fund 26	Fund 26	Fund 26	Fund 26	Fund 26	Fund 26	Fund 26	Fund 26	Fund 26	Fund 26	Fund 26	Fund 26	FUND 25	24.56%	0.74%	0.70%	20.35%	0.91%	0.25%	11.31%					
SUMMARY DETAIL OF ALL DEPTS		including EO&M	EO&M	EO&M	EO&M	EO&M	EO&M	EO&M	EO&M	EO&M	EO&M	EO&M	EO&M	EO&M	EO&M	USBR/CIP	02	04	05	11	12	13	19					
Final - BOD approved xx.xx.xx		PAT GRANTS,	Total	Project DO	Project D1	Project D2	Project D3	Project D4	EO&M	Project E6	Project F9	Project G3	Project L0	Project L2	Project L3	I3	Maint	O&M	O&M	O&M	JPP	DCI	Volta Wells	ONP				
R, O & M		& USBR		Computers	Vehicles	H/Equip	Facilities Infra	SCADA Rplc&Mod	Bridge Abutment	Road Maint	Excit Sys & Cntrl	Main Trnsf Rehab	Colling Wtr Sys	Snd Filtr Sys	Plnt Wtr Strg Tnk	Subsiden Corr												
5101 - Salaries	11,014,160.12	1,448,700.00	141,800.00	10,800.00	9,900.00	34,400.00	464,500.00	125,700.00	8,900.00	209,900.00	341,400.00	7,100.00	7,100.00	87,200.00	287,700.00	2,623,113.19	78,538.88	75,229.64	2,158,932.58	96,240.85	25,635.51	1,181,071.11						
5102 - Overtime	308,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	88,394.85	2,990.00	2,400.00	91,338.65	4,160.00	1,548.00	72,625.45					
5103 - Salary Related Benefits	1,855,552.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	524,622.64	15,707.78	15,045.93	431,786.52	19,248.17	5,127.10	236,214.22					
5108 - Sick Cash Out Expense	22,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
5141 - Health Insurance	2,312,886.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	832,430.42	23,984.86	23,602.87	452,215.10	23,901.54	8,193.70	290,067.90					
Total Salary Related	15,512,598.70	1,448,700.00	141,800.00	10,800.00	9,900.00	34,400.00	464,500.00	125,700.00	8,900.00	209,900.00	341,400.00	7,100.00	7,100.00	87,200.00	287,700.00	4,068,561.10	121,221.52	116,278.43	3,134,272.85	143,550.56	40,504.32	1,779,978.69						
5210 - Office Svcs & Supp.	58,050.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6,900.00	0.00	0.00	2,600.00	0.00	0.00	1,250.00					
5211 - Mailing Costs	6,650.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00					
5216 - Small Tools	55,750.00	1,250.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,250.00	0.00	12,300.00	0.00	200.00	16,300.00	0.00	0.00	13,300.00					
5221 - Clothing, Pers Equip.	52,550.00	1,250.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,250.00	0.00	15,650.00	0.00	500.00	24,450.00	0.00	0.00	8,700.00					
5226 - Janitorial Svcs & Supplies	12,550.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,200.00	0.00	0.00	400.00	0.00	0.00	2,000.00					
5227 - Engineering Consult.	3,269,500.00	1,600,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100,000.00	800,000.00	325,000.00	375,000.00	0.00	1,500,000.00	35,000.00	0.00	0.00	40,000.00	1,500.00	0.00	83,000.00					
5228 - Auditing	50,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
5229 - Legal	132,500.00	15,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5,000.00	10,000.00	0.00	0.00	0.00	10,000.00	31,000.00	0.00	0.00	2,000.00	0.00	0.00	2,000.00					
5231 - Other Professional Svcs.	378,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	66,000.00	1,000.00	0.00	0.00	0.00	0.00	0.00					
5237 - Fees & Licenses	23,080.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15,000.00	0.00	0.00	1,000.00	0.00	0.00	1,000.00					
5241 - Other Services & Expenses	525,130.00	81,500.00	0.00	0.00	0.00	0.00	81,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14,500.00	0.00	0.00	8,200.00	4,500.00	0.00	17,300.00					
5243 - Computer Software & Parts < \$1000. Each	60,610.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
5245 - Contract Labor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
5246 - Rents/Leases - Office Machines & Equipment	2,940.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
5247 - Organizational Membership	25,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
5251 - Dues - Prof. & Org.	6,930.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	600.00	0.00	0.00	400.00	0.00	0.00	300.00					
5256 - Conference/ Training	184,615.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33,500.00	0.00	0.00	33,500.00	0.00	0.00	9,500.00					
5261 - Travel	97,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18,000.00	0.00	0.00	38,000.00	0.00	0.00	14,000.00					
5271 - Employee & Group Mtgs.	29,850.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,900.00	0.00	0.00	2,400.00	0.00	0.00	850.00					
5286 - Vehicle Parts & Materials	85,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	85,000.00	0.00	0.00	0.00	0.00	0.00	0.00					
5288 - Petroleum, Oil & Lubricants	284,750.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	276,950.00	0.00	0.00	0.00	0.00	0.00	300.00					
5291 - Outside Services - Vehicles & Constr. Equip	78,050.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	73,000.00	0.00	0.00	0.00	0.00	0.00	0.00					
5296 - Rents/Leases - Vehicle & Construction Equipment	58,000.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,000.00	0.00	50,000.00	0.00	0.00	3,000.00	2,000.00	0.00	1,000.00					
5301 - Parts/Material-Bldg, Grounds, Mach. & Equip.	565,600.00	30,800.00	0.00	0.00	0.00	0.00	0.00	8,300.00	0.00	0.00	5,000.00	0.00	0.00	0.00	17,500.00	0.00	185,000.00	8,850.00	2,100.00	84,100.00	17,700.00	6,000.00	134,150.00					
5311 - Outside Serv.-Bldg, Grounds, Mach. & Equip.	2,654,400.00	2,384,600.00	0.00	0.00	0.00	133,000.00	0.00	189,500.00	562,100.00	1,500,000.00	0.00	0.00	0.00	0.00	0.00	0.00	81,400.00	0.00	1,000.00	57,100.00	10,000.00	0.00	32,200.00					
5316 - Rents/Leases - Land & Bldg.	137,160.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
5331 - Pipe, Metal & Treatments	55,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27,500.00	1,000.00	0.00	13,500.00	2,200.00	0.00	9,000.00					
5341 - Sand, Backfill and Rock	28,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28,000.00	0.00	0.00	0.00	0.00	0.00	0.00					
5351 - Concrete & Paving Mat.	30,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30,000.00	0.00	0.00	0.00	0.00	0.00	0.00					
5361 - Chemicals	155,075.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	130,175.00	1,600.00	0.00	4,600.00	2,500.00	0.00	2,200.00					
5372 - Telephone Expenses	117,030.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26,500.00	0.00	0.00	8,500.00	0.00	0.00	3,000.00					
5373 - Energy	76,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	66,000.00	0.00	0.00	0.00	0.00	0.00	0.00					
5374 - Radio Communication	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
5375 - Computer Comm.	79,000.00																											

RO&M BUDGET FY 2024 LINE ITEM DETAIL

	A																B	
Revised: 10.11.22	97.82%																	
SOLDMWA ANNUAL BUDGET SUMMARY DETAIL OF ALL DEPTS Final - BOD approved xx.xx.xx R, O & M	13,177,712.14	0.09%	0.88%	0.00%	1.99%	0.56%	1.51%	3.38%	6.63%	12.97%	86.82%	80.10%	0.09%					
	Total including EO&M PAT GRANTS, & USBR	30 Maint TFF	41 SLD	44 O&M Delta X-Chnl	50 Safety	51 IT / SCADA	52 Ware- housing	54 TFO Exp.	56 Direct O&M	58 O&M LBAO Admin	FY24 TOTAL DMC	FY24 TOTAL SELF FUNDING	FY24 TOTAL BUREAU FACILITIES	FY23 TOTAL DMC	% Change FY24 vs FY23 DMC (A - B)/B	\$ Change FY24 vs FY23 DMC (A - B)		
5101 - Salaries	11,014,160.12	9,135.05	94,513.50	0.00	218,050.46	61,601.86	164,680.21	360,687.21	723,497.29	1,406,832.77	9,277,760.12	8,545,127.77	9,135.05	8,554,574.41	8.45%	723,186		
5102 - Overtime	308,000.00	1,518.00	2,700.00	0.00	0.00	0.00	1,334.45	12,137.00	5,595.05	21,258.55	308,000.00	300,886.95	1,518.00	318,400.00	-3.27%	(10,400)		
5103 - Salary Related Benefits	1,855,552.02	1,827.01	18,902.70	0.00	43,610.09	12,320.37	32,936.04	72,137.44	144,699.46	281,366.55	1,855,552.02	1,709,025.55	1,827.01	1,710,914.89	8.45%	144,637		
5108 - Sick Cash Out Expense	22,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22,000.00	22,000.00	22,000.00	0.00	20,000.00	10.00%	2,000		
5141 - Health Insurance	2,312,886.56	2,406.38	27,719.53	0.00	20,248.91	20,248.91	39,778.99	77,556.39	160,834.22	309,696.84	2,312,886.56	2,181,956.57	2,406.38	2,386,616.53	-3.09%	(73,730)		
Total Salary Related	15,512,598.70	14,886.44	143,835.73	0.00	281,909.46	94,171.14	238,729.69	522,518.04	1,034,626.02	2,041,154.71	13,776,198.70	12,758,996.85	14,886.44	12,990,505.83	6.05%	785,693		
5210 - Office Svcs & Supp.	58,050.00	0.00	0.00	0.00	2,000.00	200.00	2,800.00	0.00	6,500.00	35,800.00	58,050.00	51,550.00	0.00	64,650.00	-10.21%	(6,600)		
5211 - Mailing Costs	6,650.00	0.00	0.00	0.00	0.00	0.00	250.00	0.00	650.00	5,150.00	6,650.00	6,000.00	0.00	6,800.00	-2.21%	(150)		
5216 - Small Tools	55,750.00	0.00	0.00	0.00	11,000.00	500.00	600.00	0.00	300.00	0.00	54,500.00	54,200.00	0.00	50,100.00	8.78%	4,400		
5221 - Clothing, Pers Equip.	52,550.00	0.00	0.00	0.00	0.00	100.00	1,000.00	50.00	550.00	300.00	51,300.00	50,750.00	0.00	48,350.00	6.10%	2,950		
5226 - Janitorial Svcs & Supplies	12,550.00	0.00	0.00	0.00	0.00	0.00	200.00	5,750.00	0.00	2,000.00	12,550.00	12,550.00	0.00	13,900.00	-9.71%	(1,350)		
5227 - Engineering Consult.	3,269,500.00	0.00	0.00	0.00	0.00	0.00	0.00	10,000.00	0.00	0.00	169,500.00	169,500.00	0.00	154,500.00	9.71%	15,000		
5228 - Auditing	50,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50,000.00	50,000.00	50,000.00	0.00	42,000.00	19.05%	8,000		
5229 - Legal	132,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	64,500.00	8,000.00	107,500.00	43,000.00	0.00	132,000.00	-18.56%	(24,500)		
5231 - Other Professional Svcs.	378,500.00	0.00	1,000.00	0.00	7,500.00	262,000.00	0.00	1,000.00	20,000.00	20,000.00	378,500.00	358,500.00	0.00	243,800.00	55.25%	134,700		
5237 - Fees & Licenses	23,080.00	0.00	0.00	0.00	600.00	0.00	0.00	2,000.00	1,445.00	2,035.00	23,080.00	21,635.00	0.00	19,870.00	16.16%	3,210		
5241 - Other Services & Expenses	525,130.00	0.00	0.00	0.00	0.00	234,550.00	1,750.00	25,240.00	17,200.00	120,390.00	443,630.00	426,430.00	0.00	445,840.00	-0.50%	(2,210)		
5243 - Computer Software & Parts < \$1000. Each	60,610.00	0.00	0.00	0.00	750.00	59,860.00	0.00	0.00	0.00	0.00	60,610.00	60,610.00	0.00	47,400.00	27.87%	13,210		
5245 - Contract Labor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	-		
5246 - Rents/Leases - Office Machines & Equipment	2,940.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,940.00	2,940.00	2,940.00	0.00	2,940.00	0.00%	-		
5247 - Organizational Membership	25,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25,000.00	25,000.00	25,000.00	0.00	25,000.00	0.00%	-		
5251 - Dues - Prof. & Org.	6,930.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	600.00	5,030.00	6,930.00	6,330.00	0.00	5,330.00	30.02%	1,600		
5256 - Conference/ Training	184,615.00	0.00	0.00	0.00	37,400.00	26,200.00	300.00	3,500.00	16,215.00	24,500.00	184,615.00	168,400.00	0.00	145,115.00	27.22%	39,500		
5261 - Travel	97,600.00	0.00	0.00	0.00	2,000.00	1,500.00	400.00	500.00	7,200.00	16,000.00	97,600.00	90,400.00	0.00	95,600.00	2.09%	2,000		
5271 - Employee & Group Mtgs.	29,850.00	0.00	0.00	0.00	0.00	0.00	250.00	0.00	3,050.00	21,400.00	29,850.00	26,800.00	0.00	26,850.00	11.17%	3,000		
5286 - Vehicle Parts & Materials	85,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	85,000.00	85,000.00	0.00	80,000.00	6.25%	5,000		
5288 - Petroleum, Oil & Lubricants	284,750.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5,000.00	2,500.00	284,750.00	279,750.00	0.00	253,950.00	12.13%	30,800		
5291 - Outside Services - Vehicles & Constr. Equip	78,050.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,000.00	4,050.00	78,050.00	77,050.00	0.00	72,050.00	8.33%	6,000		
5296 - Rents/Leases - Vehicle & Construction Equipment	58,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	56,000.00	56,000.00	0.00	53,500.00	4.67%	2,500		
5301 - Parts/Material-Bldg, Grounds, Mach. & Equip.	565,600.00	15,000.00	2,000.00	0.00	4,000.00	17,500.00	3,000.00	53,600.00	200.00	1,600.00	534,800.00	519,600.00	15,000.00	548,700.00	-2.53%	(13,900)		
5311 - Outside Serv.-Bldg, Grounds, Mach. & Equip.	2,654,400.00	6,500.00	0.00	38,000.00	0.00	0.00	0.00	43,400.00	200.00	0.00	269,800.00	225,100.00	44,500.00	399,200.00	-32.41%	(129,400)		
5316 - Rents/Leases - Land & Bldg.	137,160.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	137,160.00	137,160.00	137,160.00	0.00	137,160.00	0.00%	-		
5331 - Pipe, Metal & Treatments	55,700.00	0.00	1,500.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	55,700.00	55,700.00	0.00	48,800.00	14.14%	6,900		
5341 - Sand, Backfill and Rock	28,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28,000.00	28,000.00	0.00	15,000.00	86.67%	13,000		
5351 - Concrete & Paving Mat.	30,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30,000.00	30,000.00	0.00	30,000.00	0.00%	-		
5361 - Chemicals	155,075.00	0.00	12,000.00	500.00	0.00	0.00	0.00	1,500.00	0.00	0.00	155,075.00	154,575.00	500.00	143,313.00	8.21%	11,762		
5372 - Telephone Expenses	117,030.00	0.00	0.00	0.00	2,480.00	46,780.00	0.00	800.00	11,280.00	17,690.00	117,030.00	105,750.00	0.00	113,910.00	2.74%	3,120		
5373 - Energy	76,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10,600.00	76,600.00	76,600.00	0.00	76,600.00	0.00%	-		
5374 - Radio Communication	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	-		
5375 - Computer Comm.	79,000.00	0.00	0.00	0.00	0.00	79,000.00	0.00	0.00	0.00	0.00	79,000.00	79,000.00	0.00	78,000.00	1.28%	1,000		
5376 - Hazardous Waste Disposal	16,800.00	0.00	0.00	0.00	0.00	0.00	2,500.00	0.00	0.00	0.00	16,800.00	16,800.00	0.00	28,300.00	-40.64%	(11,500)		
5377 - Disposal Expenses	37,780.00	0.00	500.00	0.00	0.00	0.00	3,500.00	0.00	0.00	2,180.00	37,780.00	37,780.00	0.00	37,380.00	1.07%	400		
5401 - Insurance Premiums and Fees	292,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5,600.00	287,000.00	292,600.00	287,000.00	0.00	253,550.00	15.40%	39,050		
5521 - New/Replacement Equip. & Furniture	152,590.00	0.00	0.00	0.00	0.00	0.00	2,250.00	10,000.00	8,250.00	67,090.00	152,590.00	144,340.00	0.00	155,190.00	-1.68%	(2,600)		
5523 - Computer Hardware	198,400.00	0.00	0.00	0.00	0.00	19,000.00	0.00	0.00	0.00	0.00	19,000.00	19,000.00	0.00	19,000.00	0.00%	-		
5526 - Water Meters	10,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10,000.00	10,000.00	0.00	10,000.00	0.00%	-		
5541 - Vehicles & Constr. Equip	216,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	-		
5544 - Heavy Equipment	417,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	-		
Total All Other Expenses	10,717,840.00	21,500.00	17,000.00	38,500.00	68,730.00	747,190.00	18,800.00	157,340.00	169,740.00	868,415.00	4,278,540.00	4,048,800.00	60,000.00	4,123,648.00	3.76%	154,892		
Grand Total	26,230,438.70	36,386.44	160,835.73	38,500.00	350,639.46	841,361.14	257,529.69	679,858.04	1,204,366.02	2,909,569.71	18,054,738.70	16,807,796.85	74,886.44	17,114,153.83	5.50%	940,585		

Routine O&M Budget

Staffing Levels

Materials Evaluation

Vehicle and Equipment

Acquisition

1. Staffing

Summary of Assumptions and Considerations

A. Proposed O&M positions budgeted fully or partially for FY24:

<u>Position</u>	<u>Number in FY24</u>
Accountant II	2
Accountant III	1
Payroll Coordinator	1
Accounts Payable Technician	1
Chief Operating Officer	1
Buyer	1
C&I Technician	3
Canal Operator	2
Canal Operator, Relief/Rodent Control	1
Civil Engineer	2
Civil Maintenance Foreman	2
Civil Maintenance Planner	1
Civil Maintenance Superintendent	1
Civil Maintenance Worker	11
Contract Specialist	1
Control Operator (includes 2 apprentices)	6
Control Operator, Relief	1
Custodian	2
Director of Finance	1
Director of HR & Administration	1
Electrical Engineer	1
Electrical Project Specialist	1
Electric Shop Foreman	1
Electrician	7
Engineering Manager	1
Sr Engineering Technician	1
Equipment Mechanic	2
Executive Director	1
Executive Secretary	1
Facilities O&M Director	1
General Council	1
General Council, Deputy	1
HR Analyst II	1
HR Coordinator	1
Heavy Equipment Operator	4
Hydro-Electric Maintenance Planner	1
Hydro-Tech I	3
Hydro-Tech II	2
Hydro-Tech III	1
Inventory Control Clerk	1
IT Officer	1
Mechanical Engineer	1
Operations & Maintenance Manager	1
Operational Accounting Supervisor	1

<u>Position (cont.)</u>	<u>Number in FY24</u>
Operations Supervisor	1
Painter	1
Plant (Mechanical) Engineer	1
Plant Foreman, O'Neill	1
Plant Foreman, Machine Shop	1
Plant Mechanics (includes 2 apprentices)	9
Safety Officer	1
SCADA Engineer	1
SCADA Technician	1
Secretary	2
Water Accounting Supervisor	1
Water Accounting Technician	1
Water Operations Superintendent	1
Weed Control Specialist	1
Procurement and Work & Asset Manager	1
Work Planning Technician	2
<u>Total Positions</u>	<u>105</u>

(NOTE: The positions of Water Policy Director, Special Programs Manager, and Water Resources Programs Manager, are not listed in the total as they are non-O&M positions and budgeted in the Activity Budget. The positions of Executive Director, General Counsel, Deputy General Counsel, and Hydro-Tech III are budgeted for both O&M and Activities budgets)

- B. Routine O&M salaries will vary each year depending on the amount of staff labor dedicated to EO&M and Capital projects.
- C. Costs associated with USBR activities (Tracy Fish Collection Facility & Fish Release sites, and Delta Cross Channel) are paid directly by the USBR through a service contract.

2. Materials

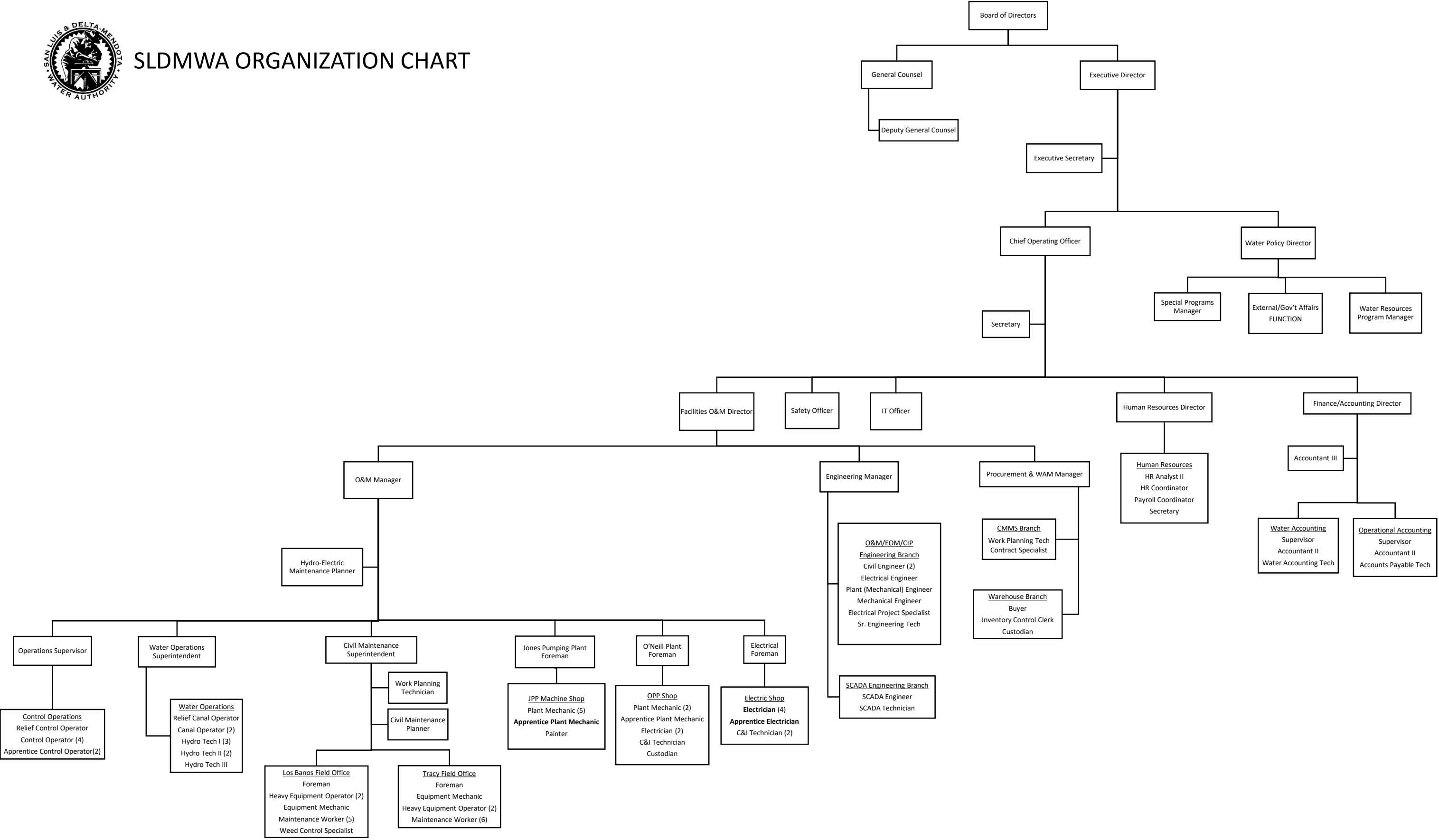
The Authority staff evaluates the materials and services costs annually and adjusts those costs depending on planned projects and pricing trends for given materials and services.

3. Vehicles, Equipment and Computer Acquisition

New equipment purchases in excess of \$10,000 are supported with a Cost Justification.



SLDMWA ORGANIZATION CHART



Routine O&M Budget

FY24 Proposed

Special Projects

&

Equipment

Justifications

SPECIAL PROJECT JUSTIFICATION FORM

FY2024

REQUEST DATE: 8/10/2022

EXPENSE CODE: 5301

PRIORITY CODE: B - 2 - b

BUDGET UNIT: 60

Type of Project

	Non-Major / Routine	Major, Non-Routine	≤ \$20,000	> \$20,000	< 1 year	≥ 1 year
Maintenance improvements, modifications, replacements or repairs with long term benefits		X	X		X	

This Project does not require costs to be allocated/recouped via Reserves.

Type of Purchase

<input checked="" type="checkbox"/>	Materials
<input type="checkbox"/>	Services
<input type="checkbox"/>	Other:

PROJECT DESCRIPTION:

JPP Distribution Board DZC Breakers Upgrade

GENERAL SPECIFICATIONS:

(See attached information)

<u>ESTIMATED COST(incl taxes,freight)</u>	<u>Current O&M Cost Information</u>	<u>Cost</u>
Purchase Cost: \$6,000.00	Current cost of annual repairs:	
Inflation Adjustment (4%/YR) \$240.00	Potential For lost conveyance (if appl)	
Estimated Cost: \$6,240.00	Other O&M Cost:	
	ANNUAL O&M COST:	
<i>Rounded up to 100's</i> \$6,300.00		
Total Estimated Cost: \$6,300.00		

Description of current circumstances that drive this request: *(include age and condition of existing equipment)*

This is a part of RO&M recommendation 2018-2-AF-F (derived from JPP Arc Flash Study 2018). The DZC breakers were not properly coordinated with respect to downstream breakers. As a result, the breakers will not trip during a fault. The DZC breakers need to be replaced and coordinated properly to provide the proper protection to equipment and personnel. Installation of the breakers will not require an outage at JPP, but will require a special condition in which the breaker upgrades will only affect the charging coils. The plan is to purchase the breakers and have them on hand to install at a time with minimal pumping.

Description of how this request would change current circumstances:

Upgrading the breakers with accurate trip setting and full long-short-instantaneous (LSI) adjustability will improve downstream and upstream protection to the JPP Units and personnel.

Other options considered during evaluation:

None.

Conclusion/Recommendation:

Staff recommends upgrading the breakers to provide better protection for equipment and personnel safety.

SPECIAL PROJECT JUSTIFICATION FORM

FY2024

REQUEST DATE: 8/24/2022

EXPENSE CODE: 5311

PRIORITY CODE: B - 2 - b

BUDGET UNIT: 60

Type of Project

	Non-Major / Routine	Major, Non-Routine	≤ \$20,000	> \$20,000	< 1 year	≥ 1 year
Maintenance improvements, modifications, replacements or repairs with long term benefits	X		X		X	

This Project does not require costs to be allocated/recouped via Reserves.

Type of Purchase

<input type="checkbox"/>	Materials
X	Services
<input type="checkbox"/>	Other:

PROJECT DESCRIPTION:

Fire Suppression System Service, Testing, and Maintenance

GENERAL SPECIFICATIONS:
(See attached information)

Contractor to provide 3 Quarterly Inspections, and one 5 Year Inspection per NFPA 25 and provide report per Title 19 for the Tracy Field Office. (See Attached quote for more details.)

<u>ESTIMATED COST(incl taxes,freight)</u>	<u>Current O&M Cost Information</u>	<u>Cost</u>
Purchase Cost: \$9,000	Current cost of annual repairs:	
Inflation Adjustment (4%/YR) \$360	Potential For lost conveyance (if appl)	
Estimated Cost: \$9,360	Other O&M Cost:	
	ANNUAL O&M COST:	
<i>Rounded up to 100's</i> \$9,400		
Total Estimated Cost: <u>\$9,400</u>		

Description of current circumstances that drive this request: *(include age and condition of existing equipment)*

Per the National Fire Protection Association (NFPA), certified technicians are required to service, test, and maintain fire suppression systems. Historically, all maintenance was completed by Authority staff, which is no longer authorized by the code.

Description of how this request would change current circumstances:

This would bring our maintenance activities for the existing fire suppression systems compliant with the current code.

Other options considered during evaluation:

The cost for training internal staff will be compared to contracting out the maintenance work for a long term solution.

Conclusion/Recommendation:

Proper maintenance of the fire suppression system will be conducted by certified technicians to ensure safety of personnel and property is achieved. Staff also recommends the budget associated with these inspections be incorporated into future years budgets as a specific line item expense and the Special Project Justification will not be required.

San Luis & Delta-Mendota Water Authority
15990 Kelso Rd.
Byron, CA 94514

09/02/22

Ref: Quarterly, Annual and 5 Year Fire Sprinkler Inspections for: 15990 Kelso Rd.
Byron, CA 94514

We are pleased to submit our price for the work to you as follows.

SCOPE OF WORK

- Provide 3 Quarterly Inspections per NFPA 25 and provide report per Title 19.
- Provide Annual Inspections per NFPA 25 and provide report per Title 19.
- Provide 5 Year Inspections (when due) per NFPA 25 and provide report per Title 19.

CLARIFICATIONS

- Proposal price is based on: timely access to the fire sprinkler system piping during regular hours and in one set-up period; acceptance of this proposal within 30 days; and payment terms of net 30;
- 5 Year Inspection (when due) takes precedence over the annual inspection.

EXCLUSIONS

- Electrical wiring, including alarm;
- Hydraulic calculations, or structural calculations, if any;
- Cutting, patching, painting, or any carpentry work, not expected;
- Freeze protection, if any;
- Capture and or recirculation of used fire water from fire sprinklers system when testing.
- Annual testing or flushing of Backflow Preventer.

PRICE:

3 Quarterly Fire Sprinkler Inspections: $\$1,000 \times 3 = \$3,000$

Annual Fire Sprinkler Inspection: \$3,200

5 Year Fire Sprinkler Inspection: \$4,800

Annual Hydrant Inspection: \$800

5 Year Hydrant Inspection: \$1,200

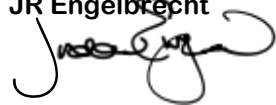
Total Annual Cost: \$7,000

Total Annual Cost when 5 year is due: \$9,000

Elite Automatic Fire Protection appreciates the opportunity of submitting this proposal. If you have any questions, concerns, or clarifications please contact me at 916-799-9385.

We look forward to the pleasure and privilege of working with you on this project!

JR Engelbrecht



Accepted by: _____

Signed: _____ P.O.# _____

EQUIPMENT PURCHASE JUSTIFICATION FORM
FY2024

REQUEST DATE: 8/24/22
PRIORITY CODE: B - 5 - c

EXPENSE CODE: 5521
DEPARTMENT: 46

Type of Purchase

<input type="checkbox"/>	New Equipment/Furniture > \$10,000
<input checked="" type="checkbox"/>	Replacement Equipment/Furniture
<input type="checkbox"/>	Other:

EQUIPMENT DESCRIPTION:

ID # 0000002233

GENERAL SPECIFICATIONS:

Millermatic 251 MIG Welder

(See attached information)

<u>ESTIMATED COST (incl taxes, freight)</u>		<u>Current O&M Cost Information</u>		<u>Cost</u>
Purchase Cost:	\$4600	Current cost of annual repairs:		\$700
Inflation Adjustment (4%/YR)	\$184	Annual lease/rental cost:		
Estimated Cost:	\$4,784	Other O&M Cost:		
		ANNUAL O&M COST:		
Rounded up to 100's	\$4,784			
Total Estimated Cost:	\$4,800			

<u>CURRENT/PROJECTED COST W/O EQUIPMENT:</u>	<u>\$700</u>	<u>PAYBACK</u>	<u>7</u>	<u>YRS</u>
<i>(Payback is determined by dividing Total Estimated Cost by Annual O&M Cost)</i>				
<u>Description of current circumstances that drive this request:</u> <i>(include age and condition of existing equipment)</i>				
The current LBFO MIG welder is 15 years old. The motor that turns the wire spool and adjustment knobs are failing making it difficult to complete jobs. The cost to fix the welder is close to the cost of a new welder due to it being an older machine and hard to get parts.				
<u>Other options considered during evaluation:</u>				
The LBFO yard also has an arc welder we use but when fabricating with lighter material it burns holes and takes longer to complete a project.				
<u>Conclusion/Recommendation:</u>				
It is recommended that the current MIG welder be replaced and disposed of.				

EQUIPMENT PURCHASE JUSTIFICATION FORM
FY2024

REQUEST DATE: 8/24/22
PRIORITY CODE: B - 5 - c

EXPENSE CODE: 5521
DEPARTMENT: 44

Type of Purchase

<input type="checkbox"/>	New Equipment/Furniture > \$10,000
<input checked="" type="checkbox"/>	Replacement Equipment/Furniture
<input type="checkbox"/>	Other:

EQUIPMENT DESCRIPTION:
GENERAL SPECIFICATIONS:
(See attached information)

Iron Worker, 90 Ton Hydraulic (replacement)
Refer to attached information

<u>ESTIMATED COST (incl taxes, freight)</u>		<u>Current O&M Cost Information</u>	<u>Cost</u>
Purchase Cost:	\$42,000	Current cost of annual repairs:	
Inflation Adjustment (4%/YR)	\$1,700	Annual lease/rental cost:	
Estimated Cost:		Other O&M Cost:	
		ANNUAL O&M COST:	
<i>Rounded up to 100's</i>			
Total Estimated Cost:	<u>\$43,700</u>		

CURRENT/PROJECTED COST W/O EQUIPMENT: N/A **PAYBACK** N/A **YRS**
(Payback is determined by dividing Total Estimated Cost by Annual O&M Cost)

Description of current circumstances that drive this request: (include age and condition of existing equipment)
The existing iron worker was obtained using the government surplus program over 15 years ago. The existing iron worker is 50+ years old. It has been a workhorse in the Tracy Machine Shop, as it saves considerable time punching holes versus drilling. Also punch/die sets can last for years when used properly.

Description of how this request would change current circumstances:
The iron worker has been rebuilt by the crew once, but the seals can no longer hold at the higher pressures. The unit punched all of the 1-1/2" holes thru 1/2" bar stock to fabricate all of the trash racks for JPP, approximately 6,500 holes in total.

Other options considered during evaluation:

None considered as rental does not seem appropriate.

Conclusion/Recommendation:

Staff recommends replacement of the worn out piece of equipment.

San Luis & Delta-Mendota Water Authority

Extraordinary Operations and Maintenance Budget

FY2024

San Luis & Delta-Mendota Water Authority

EXTRAORDINARY O&M, RESERVE AND SPECIAL FUNDED PROJECTS

FY 2024 PROJECTS FUNDING SUMMARY

Project Type: EXTRAORDINARY O&M (Fund 26)

<u>Project #</u>	<u>Fac</u>	<u>Project Title</u>	<u>Segment Code</u>	<u>Priority</u>	<u>Labor</u>	<u>Parts/Mat'ls</u>	<u>Equip.</u>	<u>Contract</u>	<u>Total</u>
M1994022	ONP	Cooling Water System Rehabilitation Design	26-L0	B-2-b	\$7,100	\$0	\$0	\$325,000	\$332,100
E2009005	JPP	Excitation System & Control Modernization Phase 1	26-F9	B-2-c	\$209,900	\$0	\$0	\$1,605,000	\$1,814,900
E1995005	ONP	Main Transformer Rehabilitation - Supplemental Funding	26-G3	B-3-b	\$341,400	\$5,000	\$0	\$810,000	\$1,156,400
C1997002	DMC	O&M Road Maintenance Program - Phase 2 of 5	26-E6	B-4-b	\$8,900	\$0	\$0	\$562,100	\$571,000
C2021001	DMC	Bridge Abutment Repair at MP 92.73 - Supplemental Funding	26-I4	B-4-b	\$125,700	\$8,300	\$0	\$189,500	\$323,500
M2019038	ONP	Sand Filter System Rehabilitation Design	26-L2	B-4-b	\$7,100	\$0	\$0	\$375,000	\$382,100
M2019037	ONP	Plant Water Storage Tank Rehabilitation	26-L3	B-4-c	\$87,200	\$20,000	\$0	\$2,000	\$109,200
EXTRAORDINARY O&M (Fund 26) PROJECT TOTALS:					\$787,300	\$33,300	\$0	\$3,868,600	\$4,689,200

Project Type: RESERVE (Fund 26)

<u>Project #</u>	<u>Fac</u>	<u>Project Title</u>	<u>Segment Code</u>	<u>Priority</u>	<u>Labor</u>	<u>Parts/Mat'ls</u>	<u>Equip.</u>	<u>Contract</u>	<u>Total</u>
S2024001	ALL	SCADA Replacement & Modernization Program (Reserve Fund)	26-D4	B-4-c	\$464,500	\$0	\$0	\$144,200	\$608,700
V1999001	ALL	Heavy Equipment Replacement Program (Reserve Fund)	26-D2	B-5-b	\$9,900	\$0	\$0	\$417,200	\$427,100
V1999002	ALL	Vehicle Replacement (Reserve Fund)	26-D1	B-6-c	\$10,800	\$0	\$0	\$216,300	\$227,100
C2011001	ALL	Facility Infrastructure Replacement/Rehabilitation Program	26-D3	B-7-c	\$34,400	\$0	\$0	\$133,000	\$167,400
E2000004	ALL	Replace Computer/Network Communication Equip (Reserve Fund)	26-D0	C-6-b	\$141,800	\$0	\$0	\$116,700	\$258,500
RESERVE (Fund 26) PROJECT TOTALS:					\$661,400	\$0	\$0	\$1,027,400	\$1,688,800

FUND 26 PROJECT TOTALS: \$1,448,700 \$33,300 \$0 \$4,896,000 \$6,378,000

B_{EO&M}

Project Type: SPECIAL FUNDED (Fund 25)

<u>Project #</u>	<u>Fac</u>	<u>Project Title</u>	<u>Segment Code</u>	<u>Priority</u>	<u>Labor</u>	<u>Parts/Mat'ls</u>	<u>Equip.</u>	<u>Contract</u>	<u>Total</u>
C2015003	DMC	Subsidence Correction Project	25-I3	B-3-c	\$287,700	\$0	\$0	\$1,510,000	\$1,797,700
SPECIAL FUNDED (Fund 25) PROJECT TOTALS:					\$287,700	\$0	\$0	\$1,510,000	\$1,797,700

FUND 25 PROJECT TOTALS: \$287,700 \$0 \$0 \$1,510,000 \$1,797,700

B_{CIP}

FISCAL YEAR 2024 GRAND TOTAL (Funds 25 & 26): \$1,736,400 \$33,300 \$0 \$6,406,000 \$8,175,700

AEO&M = \$7,368,800 (FY23 Approved)

ACIP = \$4,047,200 (FY23 Approved)

EO&M #	Project Title	BIL List	Facility	Priority	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	10 Yr Plan Total
Fund: 26															
EXTRAORDINARY O&M PROJECTS		Estimated Project Cost (x \$1,000)													
M1994022	ONP Cooling Water System Rehabilitation (VP STUDY)	☑	ONP	B-2 - b	332.1	500.0									832
E2009005	Excitation System & Control Modernization	☑	JPP	B-2 - c	1,814.9	1,585.4	1,664.7	1,747.9	1,835.3	1,927.1					10,575
E1995005	Main Transformer Rehabilitation	☑	ONP	B-3 - b	1,156.4										1,156
C1997002	O&M Road Maintenance Program	☐	DMC	B-4 - b	571.0		668.0		736.5		812.0		895.2		3,683
C2021001	Bridge Abutment Repair at MP 92.73	☐	DMC	B-4 - b	323.5										324
M2019038	Sand Filter System Rehabilitation/Replacement (VP STUDY)	☑	ONP	B-4 - b	382.1	600.0									982
M2019037	Plant Water Storage Tank Rehabilitation (VP STUDY)	☑	ONP	B-4 - c	109.2										109
E2019004	Penstock Cathodic Protection System Replacement	☑	DCI	B-2 - b		88.0									88
M2022002	Pump Assembly & Penstock Rehabilitation Program (VP STUDY)	☑	ONP	B-3 - b			2,623.6	2,702.0	2,783.4	2,850.0	2,000.0	2,250.0			15,209
C2015004	DMC 5 Yr Subsidence Survey	☐	DMC	B-3 - c		83.0					91.0				174
M2019002	Sandfilter System Rehabilitation	☑	JPP	B-4 - c		100.0									100
M2019028	Plant Flowmetering System Rehabilitation	☑	JPP	B-4 - c		250.0									250
M2019001	O'Neill PP Bridge Crane Rehabilitation (VP STUDY)	☑	ONP	B-5 - c		200.0									200
M2019044	Machine Shop Crane Rehabilitation	☐	JPP	B-5 - c		75.0									75
E2022005	Unit Protection Equipment Replacement (VP STUDY)	☐	ONP	B-2 - b			90.0	200.0	220.0	240.0	260.0	280.0	300.0		1,590
M2022001	Pump Bowl Replacement Program (ALL UNITS) (VP STUDY)	☐	ONP	B-3 - b			5,582.8	4,549.4							10,132
M2015003	Rehabilitate Coating on Pump Casings & Bifurcation	☑	JPP	B-3 - c			100.0	102.0	104.0						306
M2017001	OPP Shaft Sleeve Manufacturing (VP STUDY)	☑	ONP	B-4 - b			215.0	250.0							465
M2019022	HVAC System Rehabilitation/Replacement	☑	JPP	B-4 - b			400.0								400
E2019003	Check Electrical Equipment Rehabilitation	☐	DMC	B-4 - c			84.0								84
E2023003	Electric Vehicle Charging Stations (All)	☐	ALL	B-4 - c			150.1								150
C2022001	Retaining Wall Rehabilitation	☐	JPP	B-5 - b			125.0								125
E2019030	Plant Security System Improvements	☑	ONP	C-5 - d			109.0								109
E2015001	TFO/LBFO/DCI Arc Flash Study	☐	ALL	A-1 - b				225.0					248.0		473
E2019024	Station Service Backup Battery System Replacement	☑	JPP	B-2 - c				115.0							115
E2004002	Unit Rotor & Stator Rewind (All Units) (VP STUDY)	☑	ONP	B-3 - b				490.1	2,250.0	2,295.0	2,341.0	2,388.0	2,435.0	2,484.0	14,683
E2022001	Plant Protective Relay Replacement	☐	DCI	B-3 - b				250.0							250
E2009004	UPS Battery Replacement	☑	JPP	B-4 - b				88.0							88
M1999002	Unit Woodward Governor Replacement (All Units) (VP STUDY)	☑	ONP	B-4 - c				457.1	295.0	295.0	295.0	295.0	295.0	295.0	2,227
M2019016	Siphon Breaker Valve Control System Rehabilitation	☑	JPP	B-4 - c				100.0							100
M2019014	Stoplog Rehabilitation	☑	JPP	B-5 - b				250.0							250
M2019009	Flowmetering Upgrade	☐	DCI	B-5 - c				100.0							100
M2019026	Stoplog Rehabilitation (Lakeside)	☑	ONP	B-5 - c				75.0							75
M2019049	Lakeside & Canalside Trashrack Replacement	☑	ONP	B-5 - c				175.7							176
M2014002	Rebalance Unit 5 Impeller	☐	JPP	B-3 - c					305.0						305
C2019004	TFO O&M Complex Pavement Rehabilitation	☑	TFO	B-4 - b					250.0						250
E2019025	Plant Security System Upgrades	☑	JPP	B-5 - c					75.0						75
C2016001	DMC Road Rehabilitation	☑	DMC	B-4 - b						391.0					391
M2019025	100 Ton Gantry Crane Rehabilitation	☑	JPP	B-4 - c						300.0					300
M2019043	HVAC System Rehabilitation/Replacement	☑	ONP	B-4 - c						100.0					100
E2019010	Plant Flowmeter System Rehabilitation	☑	ONP	B-5 - c						244.0					244
M2019033	Plant Roof Surface Replacement	☑	ONP	B-7 - c						100.0					100

EO&M #	Project Title	<u>BIL</u> <u>List</u>	Facility	Priority	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	10 Yr Plan Total
C1996012	Intake Channel Embankment Stabilization	<input checked="" type="checkbox"/>	DMC	B-3 - b							300.0				300
C2019001	Radial Gate Rehabilitation Program	<input checked="" type="checkbox"/>	DMC	B-3 - c							400.0	408.0	416.0	424.0	1,648
M2019015	Trashrack Cleaner Rehabilitation	<input checked="" type="checkbox"/>	JPP	B-4 - c							300.0				300
M2019045	Stub Shaft Crane Rehabilitation	<input type="checkbox"/>	JPP	B-4 - c							60.0				60
M2022003	Trashrack Cleaner & Stoplog Crane Rehabilitation/Automation	<input checked="" type="checkbox"/>	ONP	B-4 - c								750.0			750
M2022004	Check Structure Mech Equipment Rehab/Replacement Program	<input checked="" type="checkbox"/>	DMC	B-4 - c							600.0				600
C2019005	Penstock/Manifold Interior Coating Rehabilitation	<input checked="" type="checkbox"/>	DCI	B-5 - b							150.0				150
E2019019	Plant Security System Improvements	<input checked="" type="checkbox"/>	DCI	B-5 - b							50.0				50
M2019048	Plant Hydraulic System Rehabilitation/Replacement	<input type="checkbox"/>	JPP	B-5 - c							125.0				125
E2015003	Arc Flash Study - JPP	<input type="checkbox"/>	JPP	A-1 - b								105.0			105
E2022003	Plant Protective Relay Replacement	<input checked="" type="checkbox"/>	JPP	B-2 - b								150.0			150
C2023003	Recoat Exterior of All Penstocks	<input type="checkbox"/>	ONP	B-4 - c								500.0			500
M2010001	TFO Domestic/Potable Waterline Replacement	<input type="checkbox"/>	JPP	B-5 - c								250.0			250
E2019001	Pump & Motor Rehabilitation	<input checked="" type="checkbox"/>	DCI	B-3 - c									259.0	264.0	523
E2019015	Plant Motor Control Center Upgrades	<input checked="" type="checkbox"/>	DCI	B-3 - c									150.0	153.0	303
C2019002	Canal Embankment Erosion Protection	<input checked="" type="checkbox"/>	DMC	B-4 - b									350.0		350
M2019008	Pump Intake Diffuser Panel Rehabilitation/Replacement	<input type="checkbox"/>	DCI	B-4 - c									75.0		75
M2019035	TFO Industrial Water Storage Tank Rehabilitation	<input type="checkbox"/>	TFO	B-4 - c									125.0		125
M2019041	CA Turnout Slide Gate Rehabilitation/Replacement	<input checked="" type="checkbox"/>	DCI	B-4 - c									150.0		150
E2019022	Plant Annunciator Modernization	<input checked="" type="checkbox"/>	DCI	B-5 - b									150.0		150
M2008002	Cooling Water Line Replacement	<input checked="" type="checkbox"/>	JPP	B-4 - b										100.0	100
FY TOTALS (x \$1,000):					\$4,689.2	\$3,481.4	\$11,812.2	\$11,877.2	\$8,854.2	\$8,742.1	\$7,784.0	\$7,376.0	\$5,848.2	\$5,848.2	
RESERVE PROJECTS					Estimated Project Cost (x \$1,000)										
S2024001	SCADA Replacement & Modernization Program (Reserve Fund)	<input checked="" type="checkbox"/>	ALL	B-4 - c	608.7	629.2	564.8	498.9	451.7	372.9	301.7	262.6	221.9	297.2	4,210
V1999001	Heavy Equipment Replacement Program (Reserve Fund)	<input type="checkbox"/>	ALL	B-5 - b	427.1	111.0	10.5	10.8	214.0	318.4	177.8	12.2	247.4	553.2	2,082
V1999002	Vehicle Replacement Program (Reserve Fund)	<input type="checkbox"/>	ALL	B-6 - c	227.1	192.6	327.3	337.1	128.2	157.0	442.2	216.0	223.8	116.3	2,368
C2011001	Facility Infrastructure Replacement/Rehabilitation Program	<input type="checkbox"/>	ALL	B-7 - c	167.4	117.4	124.5	67.6	139.7	99.9	72.1	157.3	71.6	44.9	1,062
E2000004	Replace Computer/Network Comm Equip (Reserve Fund)	<input type="checkbox"/>	ALL	C-6 - b	258.5	272.1	226.4	261.7	290.6	251.5	283.9	293.6	325.7	285.6	2,750
FY TOTALS (x \$1,000):					\$1,688.8	\$1,322.3	\$1,253.5	\$1,176.1	\$1,224.2	\$1,199.7	\$1,277.7	\$941.7	\$1,090.4	\$1,090.4	
					<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>	<u>2032</u>	<u>2033</u>	
FUND 26 PROJECTS FY TOTALS (x \$1,000):					\$6,378.0	\$4,803.7	\$13,065.6	\$13,053.3	\$10,078.4	\$9,941.7	\$9,061.7	\$8,317.7	\$6,938.6	\$5,017.2	

San Luis & Delta-Mendota Water Authority

Extraordinary O&M Projects

Project Description and Justification Sheet

Project No.: M1994022

Segment Code: L0-2024

Priority: B-2-b

Facility: ONP

Project Lead: MENG

Project Title: Cooling Water System Rehabilitation Design

Estimated Total Cost: \$332,100.00

Labor: \$7,100 Materials: \$0 Equipment: \$0 Contract Costs: \$325,000

Project Description and Scope:

A complete assessment of the ONP cooling water systems needs to be performed to determine the extent of the rehabilitation required to improve reliability and extend the service life of the system. The scope of this phase is that SLDMWA will enter into an agreement with Reclamation to perform an assessment of the system and provide design services. Design services will be based on the assessment findings and the O'Neill Pumping Plant Designer's Operating Criteria and include technical specifications, drawings, and an engineer's estimate. The engineer's estimate will be used to properly budget for the construction contract that will be issued in FY25.

Project Purpose and Background

The ONP Cooling Water System provides the cooling water on each of the units for cooling the air in the motor housing and for cooling the lubricating oil in the oil reservoir for the thrust and upper guide bearings. Auxiliary cooling water systems provide cooling water for each units pump bearings and stuffing boxes, and the plant air compressor. The reliability of these systems has diminished over the years and sediment in the system have caused units to trip due to higher water temperatures. System rehabilitation is recommended.

Note: It was recommended during the OPP Value Planning Study performed in September 2022 to perform several comprehensive assessments of the plant prior to any major rework. In the interim, projects related to ancillary systems, such as the Cooling Water System, may proceed because the project scope will not be affected by the assessment results.

Project Status:

FY2024 Project - Awaiting approval/funding

San Luis & Delta-Mendota Water Authority

Extraordinary O&M Projects

Project Description and Justification Sheet

Project No.: E2009005

Segment Code: F9-2024

Priority: B-2-c

Facility: JPP

Project Lead: EENG

Project Title: Excitation System & Control Modernization Phase 1

Estimated Total Cost: \$1,814,900.00

Labor: \$209,900 **Materials:** \$0 **Equipment:** \$0 **Contract Costs:** \$1,605,000

Project Description and Scope:

The Excitation System & Control Panel Refurbishment Project will include replacement of the current excitation system with a static system eliminating the DC commutator. The panels on the existing control cabinet will be replaced and include a new annunciator, new control switches and relays, and a new HMI (Human Machine Interface). Modern protective relays will be integrated into the new panels at the factory. The SCADA control boards will be upgraded to include a new PLC for improved indication and better control of the plant. The modernization will occur over a 6-year period with one unit upgraded per year.

Project Purpose and Background

The primary purpose of the project is to replace the obsolete excitation system on each of the JPP Units. Spare parts have been depleted and are no longer accessible, and the circuit boards are no longer supported by the manufacturer. Multiple other components within the cabinets are past their design life, resulting in brittle wires/conductors that are too short to relocate, and screw heads that are worn and difficult to tighten and the ice cube relays are not rated for the job they are performing. Any excitation failure will now result in an extended unit outage.

Project Status:

FY2024 Project - Awaiting approval/funding

San Luis & Delta-Mendota Water Authority

Extraordinary O&M Projects

Project Description and Justification Sheet

Project No.: E1995005

Segment Code: G3-2024

Priority: B-3-b

Facility: ONP

Project Lead: EENG

Project Title: Main Transformer Rehabilitation - Supplemental Funding

Estimated Total Cost: \$1,156,400.00

Labor: \$341,400 **Materials:** \$5,000 **Equipment:** \$0 **Contract Costs:** \$810,000

Project Description and Scope:

This project is to provide supplemental funding for the ONP Main Transformer Rehabilitation Project. This funding is to support the FY24 costs associated with construction contract management activities by both Reclamation and SLDMWA staff, construction contract contingencies and the cost difference between the engineer's estimate and a proposal cost received this year.

The approved FY23 project is for the full rehabilitation of the O'Neill PG Plant (ONP) transformers by contractor. The ONP is fed via PG&E 70 kV line, through a WAPA circuit breaker to (3) Single-Phase Transformers. There are (4) transformers, where (1) is a spare, each one is 10 MVA, 72.5/4.16 kV. They are the original transformers from 1968, and the spare transformer has never been placed into service. All transformers have been included in this rehabilitation contract. In addition to the rehabilitation effort, this project also upgrades the protective relay system in preparation for the future transformer replacement project.

Project Purpose and Background

Reclamation performed a condition assessment on the transformers in May 2019 and it identified that the four (4) transformers are at the end of their service life. Phase 1 of this project was to perform a Value Planning/Engineering Study and develop plans and specifications for the rehabilitation project. The Value Planning Study (VP Study) determined that the transformers were still eligible for rehabilitation. In late 2020, the SLDMWA performed a hot oil reconditioning to reduce the deterioration of the transformers and to ensure the transformers remained eligible for rehabilitation. The SLDMWA has tested the transformer oil quarterly and the transformers are no longer deteriorating at the same rate as before the hot oil reconditioning.

The SLDMWA contracted with Reclamation TSC to provide the Technical Design Specifications and Engineers Cost Estimate. The RFP was publically advertised in April 2022 with only one proposal received. After a lengthy negotiation period with the proposer, the SLDMWA was not able to enter into a contract and ultimately missed the window of opportunity to have the work performed in April 2023 as planned. SLDMWA plans to re-advertise in January 2023 with site work tentatively scheduled for April 2024 pending favorable hydraulic conditions. Prior to advertisement, SLDMWA is issuing a Request for Interest on a new public bidding platform to ensure there is sufficient interest in the project.

Project Status:

FY2024 Project - Awaiting approval/funding

FY2023 - In Progress

FY2022 - Completed - Oil testing and initiated design

FY2021 - Completed - Value Planning Study by USBE and hot oil reconditioning of transformers

FY2020 - Completed - Condition Assessment by TSC and replacement of high side bushings.

Funding Summary	
FY21	\$ 108,300.00
FY22	\$ 2,545,800.00
FY23	\$ 2,100,000.00
FY24 (Proposed)	\$ 1,156,400.00
Total:	\$ 5,910,500.00

San Luis & Delta-Mendota Water Authority

Extraordinary O&M Projects

Project Description and Justification Sheet

Project No.: C1997002

Segment Code: E6-2024

Priority: B-4-b

Facility: DMC

Project Lead: CIVIL

Project Title: O&M Road Maintenance Program - Phase 2 of 5

Estimated Total Cost: \$571,000.00

Labor: \$8,900 Materials: \$0 Equipment: \$0 Contract Costs: \$562,100

Project Description and Scope:

This phase will install 24.41 miles of a chipseal coat to the 12' wide O&M Road between MP 14.80 and 39.21. This scope includes the roadway that was removed from the FY23 budget in December 2021. NOTE: Work will be completed by a contractor.

Project Purpose and Background

The entire length of the O&M road of the Delta-Mendota Canal is traveled daily by operations and maintenance personnel and, in some areas the general public. To extend the life of the O&M road and reduce overall maintenance and/or repair costs, the O&M Technical Committee approved the O&M Road Maintenance Program in 1998. The objective of the O&M Road Maintenance Program is to apply a wearing surface (or chipseal) on approximately one tenth of the DMC roadway annually. In recent years, SLDMWA has had success with contracting the project out. In addition, it has been determined that it would be more cost effective to issue a contract every other year, with twice the length of road rehabilitated. Moving forward, the O&M Road Maintenance Program will apply a wearing surface (chipseal) to approximately 1/5 of the DMC roadway bi-annually.

Project Status:

FY2024 Project - Awaiting approval/funding

San Luis & Delta-Mendota Water Authority

Extraordinary O&M Projects

Project Description and Justification Sheet

Project No.: C2021001

Segment Code: 14-2024

Priority: B-4-b

Facility: DMC

Project Lead: CIVIL

Project Title: Bridge Abutment Repair at MP 92.73 - Supplemental Funding

Estimated Total Cost: \$323,500.00

Labor: \$125,700 **Materials:** \$8,300 **Equipment:** \$0 **Contract Costs:** \$189,500

Project Description and Scope:

The project purpose is to repair approximately 80 linear feet of concrete canal lining centered at the bridge located at MP92.73-R. Upon completion of the PG&E pipe relocation described in the background section, SLDMWA will remove a section of the bridge to fully access the damaged liner beneath. The failed liner above the water line will be removed by SLDMWA staff and divers will remove the failed underwater liner with SLDMWA support. A rental crane will be utilized to assist with liner removal. A new concrete anchoring block will be formed and placed below the bridge as an anchor point for the new liner. SLDMWA operators, working in conjunction with the dive contractor, will fill the void with gravel, reshape the slopes, and install fabriform over the gravel base and secure it to the surrounding competent liner. Fabriform is a temporary liner repair that consists of a concrete filled fabric, held in place with steel clamp bars.

Project Purpose and Background

A project amendment is sought as the initial estimate was done in 2019 prior to performing investigative work. Now that the project scope is fully understood and taking into account the current inflationary period, staff is seeking additional funding to complete the project.

The liner under MP92.73 Bridge has failed, leading to severe material loss and undercutting of the bridge abutment. RO&M Recommendation number 2009-2-G is to "Evaluate the extent of damage to the liner and bridge structure underneath the farm bridge at MP 92.73 on the right bank and make necessary repairs." The abandoned timber piles are fully exposed at the top as well as the front half of the concrete piles that were constructed as part of the bridge raise project in 1972. An underwater survey was completed to assess extents of liner damage and provided the information necessary to develop repair plans. The piles need to be protected against the elements to prevent further deterioration, by placing a gravel envelope within the eroded area, and liner replacement. These repairs are necessary to protect the structural integrity of the canal and bridge, and are a requirement per an RO&M recommendation. There are two steel pipe crossings at this bridge; an 18-inch and the other 6 inch. The conduits were researched and the 18-inch pipe was determined to be a drain crossing and the 6-inch pipe was found to be a gas transmission pipeline for PG&E. Engineering coordinated with PG&E and USBR and assisted PG&E with obtaining a license amendment to reroute the transmission line under the DMC. Once PG&E reroutes their pipeline in late 2022, SLDMWA will proceed with the planned repairs in spring of 2023.

Project Status:

FY2021 Project - Awaiting approval/funding

C2021001 Funding Summary	
FY21	\$ 183,500.00
FY24 (Proposed)	\$ 323,500.00
Total:	\$ 507,000.00

San Luis & Delta-Mendota Water Authority

Extraordinary O&M Projects

Project Description and Justification Sheet

Project No.: M2019038

Segment Code: L2-2024

Priority: B-4-b

Facility: ONP

Project Lead: MENG

Project Title: Sand Filter System Rehabilitation Design

Estimated Total Cost: \$382,100.00

Labor: \$7,100 Materials: \$0 Equipment: \$0 Contract Costs: \$375,000

Project Description and Scope:

A complete assessment of the Sand Filter System needs to be performed to determine the extent of the rehabilitation required to improve reliability and extend the service life of the system. The scope of this phase is that SLDMWA will enter into an agreement with Reclamation to perform an assessment of the system and provide design services. Design services will be based on the assessment findings and the O'Neill Pumping Plant Designer's Operating Criteria and include technical specifications, drawings, and an engineer's estimate. The engineer's estimate will be used to properly budget for the construction contract that will be used in FY25.

NOTE: The filter piping is plumbed in parallel and a single filter can be isolated for the rehabilitation work without compromising the filtering process for the entire plant.

Project Purpose and Background

The O'Neill plant has a total of five (5) sand filter tanks that filter DMC water prior to use in the ONP. The original design only had three (3) filters and was modified to add two additional tanks to provide the necessary water for the needs of the plant when at full operation. The sand filter media and internal piping was replaced in 2014. The major flow control valves were also replaced at that time. Sand grit is beginning to show up in the service and cooling water lines and has caused units to be shut down due to high bearing temperatures. This indicates the internal components in the filtering system are beginning to fail and rehabilitation should begin as soon as possible. The exterior of the steel tanks appear to be in good condition, but will also be evaluated. The intent is to complete the rehabilitation of this system prior to the next planned ONP Pump Assembly and Penstock Rehabilitation Program in FY26.

Note: It was recommended during the OPP Value Planning Study performed in September 2022 to perform several comprehensive assessments of the plant prior to any major rework. In the interim, projects related to ancillary systems, such as the Sand Filter System, may proceed because the project scope will not be affected by the assessment results.

Project Status:

FY2024 Project - Awaiting approval/funding

San Luis & Delta-Mendota Water Authority

Extraordinary O&M Projects

Project Description and Justification Sheet

Project No.: M2019037

Segment Code: L3-2024

Priority: B-4-c

Facility: ONP

Project Lead: MENG

Project Title: Plant Water Storage Tank Rehabilitation

Estimated Total Cost: \$109,200.00

Labor: \$87,200 Materials: \$20,000 Equipment: \$0 Contract Costs: \$2,000

Project Description and Scope:

The interior and exterior coatings on the two service water storage tanks shall be removed, the tank surfaces will be repaired, as needed, and a new coating system applied. All mechanical fittings and coated metalwork shall be inspected and replaced/repared and recoated where necessary. Only one tank will be rehabilitated at a time to keep water supplied to the plant.

Project Purpose and Background

The O'Neill Plant has two water storage tanks that provide sufficient flow and pressure for the service water necessary for the cooling and lubrication of the unit bearings and the auxiliary water systems of the plant. The two tanks, one 30-foot diameter tank with a storage capacity of 100,000 gallons and the other tank is a 20-foot diameter tank with a storage capacity of 40,000 gallons. The two tanks have not had any significant rehabilitation in at least 25 years. The PM inspection is performed periodically, and the amount of corrosion within the interior of the tank has increased and is in need of rehabilitation soon. The intent is to rehabilitate these tanks prior to the next major overhaul of a unit.

Note: It was recommended during the OPP Value Planning Study performed in September 2022 to perform several comprehensive assessments of the plant prior to any major rework. In the interim, projects related to ancillary systems, such as the Plant Water Storage, may proceed because the project scope will not be affected by the assessment results.

Project Status:

FY2024 Project - Awaiting approval/funding

San Luis & Delta-Mendota Water Authority

Extraordinary O&M Projects

Project Description and Justification Sheet

Project No.: S2024001

Segment Code: D4-2024

Priority: B-4-c

Facility: ALL

Project Lead: SCADA

Project Title: SCADA Replacement & Modernization Program (Reserve Fund)

Estimated Total Cost: \$608,700.00

Labor: \$464,500 Materials: \$0 Equipment: \$0 Contract Costs: \$144,200

Project Description and Scope:

The Supervisory Control and Data Acquisition (SCADA) system equipment replacement and modernization program schedule for each FY is summarized on the attached 10 year plan.

Project Purpose and Background

To ensure that the SLDMWA SCADA system stays up-to-date with current technology and cyber security requirements SLDMWA decided to develop a 10-year plan for the SCADA system beginning in FY2024. Previously the SCADA program funding came from individual EO&M projects, regular O&M budgets and the Replace Computer/Network Communication Equip 10-year plan. The SCADA Replacement & Modernization Program 10-year plan will be a proactive plan to upgrade/replace SCADA equipment and to properly plan future improvements to the program.

\$171,000 was funded in FY23 with EO&M money to complete the SCADA System Evaluation Project. The Project is currently underway and in the discovery and planning phases. In the discovery phase, all active devices were identified and documented and alternate SCADA systems were investigated and evaluated. As part of the planning phase, a comprehensive plan is being devised to streamline the SCADA System to update, and minimize where possible, the PLC's in the system and to incorporate redundancy to the system. Remaining with Wonderware/Aveva is the preferred alternative to prevent an entire system rewrite, but will require multiple version updates to ensure all devices are operating on consistent versions. The subscriptions with Wonderware will be updated to current versions, and programs will be mirrored at the different facilities for consistency. The system will ultimately be documented in an As-Built Architectural Plan with up to date schematics. The recommended upgrades will lead to a far more reliable, easier to maintain system, and ensure the proper Reclamation required securities are incorporated.

Project Status:

See attached SCADA Replacement & Modernization Program 10 Year Plan.

San Luis & Delta-Mendota Water Authority
SCADA Replacement & Modernization Program
10-YEAR PLAN

Device	Description	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033
Maintenance & Subscriptions (5241)											
	Support of current SCADA Software	\$11,500.00	\$11,845.00	\$12,200.35	\$12,566.36	\$12,943.35	\$13,331.65	\$13,731.60	\$14,143.55	\$14,567.86	\$15,004.89
Rockwell	Support of our Standard of PLC Software	\$4,500.00	\$4,635.00	\$4,774.05	\$4,917.27	\$5,064.79	\$5,216.73	\$5,373.24	\$5,534.43	\$5,700.47	\$5,871.48
Siemens	Support of our phasing out of our plc software	\$750.00	\$772.50	\$795.68	\$819.55	\$844.13	\$869.46	\$895.54	\$922.41	\$950.08	\$978.58
AT&T First Net (APN)		\$14,700.00	\$15,141.00	\$15,595.23	\$16,063.09	\$16,544.98	\$17,041.33	\$17,552.57	\$18,079.15	\$18,621.52	\$19,180.17
Maintenance & Subscriptions Total:		\$31,450.00	\$32,393.50	\$33,365.31	\$34,366.26	\$35,397.25	\$36,459.17	\$37,552.94	\$38,679.53	\$39,839.92	\$41,035.12
Hardware (5523)											
PLC's	Next year absolute plc's	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Computer	Mission critical workstations	\$6,000.00	\$6,000.00	\$3,000.00	\$3,000.00	\$6,720.00	\$6,720.00	\$3,360.00	\$3,360.00	\$7,526.40	\$7,526.40
AT&T APN Modems	Air gapping process (Cyber Security	\$12,000.00	\$12,000.00	\$6,000.00	\$0.00	\$0.00	\$0.00				
Workstation with Monitors		\$3,500.00	\$2,700.00	\$1,750.00	\$0.00	\$3,920.00	\$3,024.00	\$1,960.00	\$0.00	\$4,390.40	\$3,386.88
Servers		\$7,500.00	\$12,500.00	\$9,500.00	\$0.00	\$8,400.00	\$14,000.00	\$10,640.00	\$0.00	\$9,408.00	\$15,680.00
Laptops		\$0.00	\$0.00	\$0.00	\$3,500.00	\$12,000.00	\$0.00	\$0.00	\$3,920.00	\$13,440.00	\$0.00
Switches		\$2,700.00	\$2,700.00	\$0.00	\$0.00	\$12,000.00			\$3,000.00	\$3,000.00	\$3,000.00
Thin Clients and Monitors		\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$3,000.00	\$3,000.00	\$3,000.00			
Hardware Total:		\$62,700.00	\$66,900.00	\$51,250.00	\$37,500.00	\$46,040.00	\$26,744.00	\$18,960.00	\$10,280.00	\$37,764.80	\$29,593.28
Services (5241)											
Outside Services	Miscellaneous Support	\$50,000.00	\$51,500.00	\$53,045.00	\$54,636.35	\$56,275.44	\$57,963.70	\$59,702.61	\$61,493.69	\$63,338.50	\$65,238.66
Outside Services Total:		\$50,000.00	\$51,500.00	\$53,045.00	\$54,636.35	\$56,275.44	\$57,963.70	\$59,702.61	\$61,493.69	\$63,338.50	\$65,238.66
Total:		\$144,150.00	\$150,793.50	\$137,660.31	\$126,502.61	\$137,712.69	\$121,166.87	\$116,215.56	\$110,453.23	\$140,943.22	\$135,867.06

San Luis & Delta-Mendota Water Authority

Extraordinary O&M Projects

Project Description and Justification Sheet

Project No.: V1999001

Segment Code: D2-2024

Priority: B-5-b

Facility: ALL

Project Lead: CSUPT

Project Title: Heavy Equipment Replacement Program (Reserve Fund)

Estimated Total Cost: \$427,100.00

Labor: \$9,900 ***Materials:*** \$0 ***Equipment:*** \$0 ***Contract Costs:*** \$417,200

Project Description and Scope:

The San Luis & Delta-Mendota Water Authority equipment will be replaced or considered for replacement when the equipment is no longer economical to operate and/or maintain. The purpose of this Reserve Project is to set-aside funding annually for replacement of the Authority critical heavy equipment. The Equipment Replacement Plan will be presented for approval each year.

Project Purpose and Background

The San Luis & Delta-Mendota Water Authority Equipment Replacement Plan objective is to provide safe and efficient equipment in a manner which maximizes the equipment utilization for the Authority.

Project Status:

See attached Heavy Equipment Replacement 10 Year Plan.

Heavy Truck/Equipment Replacement
for Specific Reserve Account Nos. 5544 & 5547

Equip #	Equipment	RESP OFC	YEAR	ARB Regulated	Authority Service Life	Forecasted Replacement Year	EQUIPMENT REPLACEMENT COST(FY19\$)	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
New	Water Truck	LBFO				2024	\$180,000	\$ 180,000									
2648	Front End Loader	LBFO	1993	√	30	2024	\$225,000	\$ 225,000									
662	Forklift (5K lb Capacity) ONP SHOP (DSL)	ONP	1988	√	30	2025	\$35,000		\$ 35,000								
8050	Lowboy Trailer	LBFO	2007		20	2028	\$115,000					\$ 115,000					
8052	Flatbed Tilt Trailer	TFO	2007		20	2028	\$60,000					\$ 60,000					
8068	Boom Truck (26 Ton Capacity)	TFO	2009	√	20	2029	\$257,000						\$ 257,000				
8082	Dump Truck	TFO	2011	√	20	2032	\$180,000									\$ 180,000	
8078	Flatbed Tilt Trailer	LBFO	2011		20	2025	\$60,000		\$ 60,000								
8083	Truck/Tractor	ALL	2012	√	20	2033	\$145,000										\$ 145,000
8094	Boom Truck	LBFO	2012	√	20	2033	\$257,000										\$ 257,000
8090	Compact Tracked Loader	TFO	2013	√	20	2033	\$70,000										
8099	Water Truck	TFO	2013	√	20	2033	\$152,000										
8100	Dump Truck	LBFO	2013	√	20	2033	\$180,000										
8112	Backhoe	LBFO	2016	√	20	2036	\$128,700										
8113	Backhoe	TFO	2016	√	20	2036	\$128,700										
8126	Water Truck	LBFO	2017	√	20	2037	\$152,000										
8125	Excavator	TFO	2017	√	20	2037	\$320,000										
8065	Forklift (2.5 Ton Capacity) (LPG)	TFO	2009	√	30	2039	\$28,500										
8136	Case Magnum 180 Tractor	LBFO	2018	√	20	2039	\$156,000										
8072	12' Heavy Duty Disc	TFO	2011		30	2041	\$23,000										
8079	Forklift (4000 Lb Capacity) LBFO SHOP (LPG)	LBFO	2011	√	30	2041	\$31,500										
8095	Forklift (4K lb Capacity) WH (Electric)	TFO	2013	√	30	2043	\$33,000										
8096	Forklift (7.5 Ton Capacity) TFO YARD (LPG)	TFO	2013	√	30	2043	\$89,500										
8097	Forklift (10K lb Capacity) LBFO YARD (LPG)	LBFO	2013	√	30	2043	\$62,500										
8109	12' Heavy Duty Disc	LBFO	2016		30	2046	\$23,000										
8132	Forklift (4K lb Capacity) JPP (Electric)	TFO	2018	√	30	2048	\$38,000										
8133	Forklift (4K lb Capacity) SB&Pnt (LPG)	TFO	2018	√	30	2048	\$29,500										
8135	Spray Truck (1.25 Ton)	LBFO	2018		10	2030	\$135,000							\$ 135,000			
8134	1.5 Ton Service Truck with 2 Ton Hoist	JPP	2018		15	2033	\$70,000										
8138	Lowboy Trailer	TFO	2018		20	2039	\$115,000										
2642	Dozer (w/rippers)	LBFO	1976	√	40	N/A	\$300,000										
8152	200 kW Emergency Generator - Trailer Mounted	LBFO	2019	√	40	2044	\$130,000										
8151	Long Reach Excavator	LBFO	2019	√	20	2039	\$350,000										
8145	Grader (John Deere)	LBFO	2019	√	25	2039	\$345,000										
8148	Bobcat	LBFO	2019	√	20	2040	\$75,000										
8155	Genie Man Lift (Electric)	TFO	2020		20	2040	\$60,000										
8160	Forklift (4K lb Capacity) JPP (LPG)	TFO	2020	√	20	2040	\$35,000										
8150	Grader (John Deere)	TFO	2019	√	20	2040	\$345,000										
8162	Case Magnum 180 Tractor	TFO	2020	√	20	2040	\$160,000										
8157	Mower	LBFO	2020		20	2040	\$25,000										
8170	Truck/Tractor	LBFO	2022	√	20	2042	\$158,000										
8171	Spray Truck (2.5 Ton)	LBFO	2022	√	20	2042	\$190,000										
2607	Dump Truck-OPP Trash Racks	OPP	1981		40	2029	\$40,000										
8172	Bottom Belly Dump Trailer	LBFO	2023		25	2048	\$62,000										
2630	Dump Truck	LBFO	2000	√	20	2022	\$180,000										
666	Forklift (4K lb Capacity) Pigeon Roost (LPG)	ONP	1989	√	30	2028	\$29,000					\$ 29,000					
							Total	\$ 405,000	\$ 95,000	\$ -	\$ -	\$ 175,000	\$ 257,000	\$ 135,000	\$ -	\$ 180,000	\$ 402,000
√ - Emissions regulated by California Air Resources Board (Off Road has bold font)						# of Equipment Replaced		2	2	0	0	2	1	0	0	1	2
	Currently CARB Compliant					3% Inflation Factor per Year		\$ 12,150	\$ 5,786	\$ -	\$ -	\$ 27,873	\$ 49,871	\$ 31,033	\$ -	\$ 54,859	\$ 138,254
	Funds budgeted FY23, equipment not currently available to purchase due to market conditions.						Yearly Total	\$ 417,200	\$ 100,800	\$ -	\$ -	\$ 202,900	\$ 306,900	\$ 166,000	\$ -	\$ 234,900	\$ 540,300

NOTE: Equipment cost rounded to the nearest \$100.

Grand Total \$ 1,969,000

San Luis & Delta-Mendota Water Authority

Extraordinary O&M Projects

Project Description and Justification Sheet

Project No.: V1999002

Segment Code: D1-2024

Priority: B-6-c

Facility: ALL

Project Lead: CSUPT

Project Title: Vehicle Replacement (Reserve Fund)

Estimated Total Cost: \$227,100.00

Labor: \$10,800 ***Materials:*** \$0 ***Equipment:*** \$0 ***Contract Costs:*** \$216,300

Project Description and Scope:

The San Luis & Delta-Mendota Water Authority vehicles will be replaced or considered for replacement when the criteria for the Authority Vehicle Replacement Policy has been met. The purpose of this Reserve Project is to set-aside funding annually for replacement of the Authority vehicles. The Authority Vehicle Replacement Plan will be presented for approval each year.

Project Purpose and Background

The San Luis & Delta-Mendota Water Authority Vehicle Replacement Policy objective is to provide safe and efficient operating vehicles in a manner which maximizes the vehicles utilization for the Authority.

Project Status:

See attached Vehicle Replacement 10 Year Plan.

San Luis & Delta-Mendota Water Authority
Vehicle Replacement 10 Year Plan
FY2024 Frontline Vehicles

Veh No.	FRONT LINE VEHICLE DESCRIPTION	Vehicle User	Model Year	Assigned To:	Est. MILEAGE ON 3/1/2023	Average Miles Per Year	Calculated Years to Replacement (150K or 15 yrs) ^{1,2}	Calculated FY for Replacement (Mileage or Age)	Est. Mileage at Replacement	Proposed FY for Replacement	Estimated Replacement Cost (FY2019\$)	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
				Current Calendar Year (CCY) =	2023	B ÷ (CCY - A)	(150K-B) ÷ C or 15 yrs	Current FY+D or <u>A + 15 yrs</u>	B + (E-Current FY) x C	To be reviewed each year	To be updated each year										
8107	3/4 Ton Pickup w/Utility Body ²	Hydrographer	2016	TFO Canal Operations	144,254	20,608	1	2024	144,254	2024	\$50,000	\$50,000						\$50,000			
8120	Mid Sized Sedan	S. Davis	2017	IT	136,000	22,667	1	2024	136,000	2024	\$31,000	\$31,000									
8124	1/2 Ton Pickup	J. Willyard	2017	Operations Supervisor	129,000	21,500	1	2024	129,000	2024	\$32,000	\$32,000									
8086	1/2 Ton Pickup	R. Nazabel	2012	TFO Civil Maint.Foreman	135,000	12,273	2	2025	135,000	2024	\$32,000	\$32,000									
8108	Small SUV	Jaime M.	2016	Engineering Manager	134,000	19,143	1	2024	134,000	2024	\$32,000	\$32,000									
8146	1/2 Ton Pickup ²	S. Posey	2018	LBFO Canal Operations	132,000	26,400	1	2024	132,000	2024	\$33,000	\$33,000						\$33,000			
8091	Small SUV	Frank R	2013	Safety Coordinator	121,000	12,100	3	2026	133,100	2025	\$32,000		\$32,000								
8073	3/4 Ton 4x4 Pickup	P. Fagundes	2011	TFO Civil Maint.	101,000	8,417	6	2026	109,417	2025	\$37,000		\$37,000								
8069	3/4 Ton Pickup	Equip. Oper	2010	TFO Civil Maint.	118,000	9,077	4	2025	127,077	2025	\$34,000		\$34,000								
8131	1/2 Ton Pickup	S. Harris	2018	Watermaster	91,000	18,200	4	2027	109,200	2025	\$36,000		\$36,000								
8141	1/2 Ton Pickup	R. Martin	2018	LBFO Canal Operations	117,000	23,400	2	2025	140,400	2025	\$32,000		\$32,000						\$32,000		
8105	1 Ton Utility Truck-Diesel	CMLB	2014	LBFO Civil Maint.	112,000	12,444	4	2027	136,889	2026	\$73,000			\$73,000							
8143	1/2 Ton Pickup. 4WD. Crew Cab	C. Lee	2019	Operations Manager	95,000	23,750	3	2026	142,500	2026	\$40,000			\$40,000							
8062	1/2 Ton Pickup	J. Amaya	2009	TFO Electric Shop	100,000	7,143	7	2024	114,286	2026	\$33,000			\$33,000							
8153	Mid Size SUV ¹	F. Barajas	2020	Exec. Director	80,000	26,667	3	2026	133,333	2026	\$43,000			\$43,000						\$43,000	
8147	3/4 Ton Pickup w/Utility Body ²	M. Costa	2019	LBFO Canal Operations	100,000	25,000	2	2025	150,000	2026	\$50,000			\$50,000						\$50,000	
8156	3/4 Ton Pickup w/Utility Body ²	L. Simonich	2020	TFO Canal Operations	36,000	12,000	2	2025	60,000	2026	\$50,000			\$50,000							
8165	Sedan ¹	P. Arroyave	2021	COO	47,000	23,500	5	2028	117,500	2027	\$33,000				\$33,000						\$33,000
8159	Mid Sized SUV ¹	Bob M	2020	Facility Manager	40,000	13,333	9	2032	80,000	2027	\$43,000				\$43,000						\$43,000
8118	1/2 Ton Pickup	Engineering	2017	Mechanical Engineer	60,000	10,000	9	2032	90,000	2027	\$32,000				\$32,000						
8061	1 Ton Pickup w/Utility Body	JPP	2009	JPP Machine Shop	20,000	1,429	15	2024	24,286	2027	\$62,000				\$62,000						
8081	Small SUV	Dan Nunes	2012	SCADA Integrator	72,000	6,545	12	2027	91,636	2027	\$32,000				\$32,000						
8110	3/4 Ton Pickup w/Utility Body	A. Jorge	2016	LBFO Civil Maint	98,000	14,000	4	2027	140,000	2027	\$50,000				\$50,000						
8103	3/4 Ton Pickup. 4WD	Robert Huff	2014	LBFO Civil Maint	115,000	12,778	3	2026	153,333	2027	\$37,000				\$37,000						
8158	1/2 Ton Pickup. 4x4	B. Soares	2020	LBFO Civil Maint.	53,000	17,667	6	2029	123,667	2028	\$34,000					\$34,000					
8142	Small SUV	S.Petersen	2019	Water Policy Director	45,000	11,250	10	2033	90,000	2028	\$32,000					\$32,000					
8033	3/4 Ton Pickup	J. Miller	2006	JPP Machine Shop	88,000	5,176	12	2021	108,706	2028	\$34,000					\$34,000					
8137	3/4 Ton Pickup w/Flat Bed (Spray Truck)	CMLB	2018	LBFO Civil Maint.	58,000	11,600	8	2031	127,600	2030	\$60,000							\$60,000			
8139	1 Ton Pickup w/Utility Body - Diesel	CMT	2018	TFO Civil Maint.	60,000	12,000	8	2031	132,000	2030	\$73,000							\$73,000			
8140	1 Ton Pickup w/Utility Body - Diesel	CMLB	2018	LBFO Civil Maint.	60,000	12,000	8	2031	132,000	2030	\$73,000							\$73,000			
8106	1 Ton Utility Truck - Diesel	D. Ocegueda	2014	TFO Civil Maint.	32,000	3,556	15	2029	53,333	2030	\$60,000							\$60,000			
8111	1 Ton Pickup w/Utility Body	R. Hernandez	2016	LBFO Civil Maint	32,000	4,571	15	2031	64,000	2031	\$55,000								\$55,000		
8149	1 Ton Pickup w/Utility Body - Diesel	CMT	2019	TFO Civil Maint.	49,000	12,250	9	2032	134,750	2031	\$73,000								\$73,000		
8161	3/4 Ton Pickup	M. Garcia	2020	LBFO Civil Maint.	20,000	6,667	15	2035	73,333	2032	\$34,000									\$34,000	
8164	Mid Sized SUV	J. Bejarano	2021	Engineering	15,000	7,500	15	2036	75,000	2032	\$34,000									\$34,000	
8144	Small SUV	SGMA	2019	Civil Engineer-Ground Water	32,000	8,000	15	2034	112,000	2034	\$32,000										
8167	1/2 Ton Pickup	JPP	2022	JPP Machine Shop	5,000	5,000	15	2037	55,000	2034	\$33,000										
8169	3/4 Ton Pickup w/Utility Body	M. Izoco	2022	Oneill PP	8,000	8,000	15	2037	88,000	2034	\$50,000										
8168	1/2 Ton Pickup	Y. Suarez	2021	OPP C&I	12,000	6,000	15	2036	72,000	2034	\$33,000										
8035	3/4 Ton Pickup w/Utility Body	ESHOP	2006	TFO Electric Shop	92,000	5,412	11	2021	81,176	2022	\$40,000										
8034	3/4 Ton Pickup w/Utility Body	ESHOP	2006	TFO Electric Shop	95,000	5,588	10	2021	83,824	2022	\$40,000										
8129	1/2 Ton Ext Cab 4X4 ²	P. Nacci	2017	LBFO Canal Operations	168,000	28,000	-1	2022	140,000	2023	\$33,000						\$33,000				
8122	1/2 Ton Pickup ²	K. Silva	2017	TFO Canal Operations	155,000	25,833	-1	2022	129,167	2023	\$27,500						\$27,500				
8123	1/2 Ton Pickup ²	Rodney Huff	2017	LBFO Canal Operations	165,000	27,500	-1	2022	137,500	2023	\$27,500						\$27,500				
8119	1/2 Ton Ext Cab 4X4 ²	Walsh	2017	LBFO Eng. HT3	169,000	28,167	-1	2022	140,833	2023	\$33,000						\$33,000				

Notes:

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1. Exec. Director & COO vehicles to be replaced every 5 years and reassigned to another Department.
2. TFO & LBFO Canal Operations high mileage vehicles shall be replaced every 5 or 6 years and reassigned to another Department.
3. Vehicle mileage reflects partial year use.

FY22 Funds Budgeted/PO Issued, awaiting delivery

FY23 Funds Budgeted/PO Issued, awaiting delivery

Total	\$ 210,000	\$ 171,000	\$ 289,000	\$ 289,000	\$ 100,000	\$ 121,000	\$ 349,000	\$ 160,000	\$ 161,000	\$ 76,000
# of Vehicles Replaced	6	5	6	7	3	4	6	3	4	2
3% Inflation Factor per Year	\$ 6,300	\$ 10,414	\$ 26,798	\$ 36,272	\$ 15,927	\$ 23,480	\$ 80,226	\$ 42,683	\$ 49,068	\$ 26,138
Total Dollar Amount	\$ 216,300	\$ 181,500	\$ 315,800	\$ 325,300	\$ 116,000	\$ 144,500	\$ 429,300	\$ 202,700	\$ 210,100	\$ 102,200
NOTE: Vehicle replacement costs rounded up to the nearest \$500.									Grand Total	\$ 2,027,400

San Luis & Delta-Mendota Water Authority

Extraordinary O&M Projects

Project Description and Justification Sheet

Project No.: C2011001

Segment Code: D3-2024

Priority: B-7-c

Facility: ALL

Project Lead: CIVIL

Project Title: Facility Infrastructure Replacement/Rehabilitation Program

Estimated Total Cost: \$167,400.00

Labor: \$34,400 Materials: \$0 Equipment: \$0 Contract Costs: \$133,000

Project Description and Scope:

The reserve funds set aside for this project will be utilized for planned repairs/rehabilitation and/or improvements to the facilities the SLDMWA has the responsibility to operate and maintain. The typical type of project to be funded will be associated with facility repairs/rehabilitation and/or improvements in the following areas: Roofing Systems, Building Interior/Exterior Components, Building HVAC Systems, Building Electrical & Communication Systems, Building Plumbing Systems, Building Fire Protections Systems, and Building Pavement & Grounds.

Project Purpose and Background

The San Luis & Delta-Mendota Water Authority is responsible for the operation, maintenance, rehabilitation and replacement of C.W. "Bill" Jones Pumping Plant, O'Neill Pumping/Generating Plant and all supporting O&M facilities. The majority of the facilities were constructed in the 1950's and 1960's and the existing buildings on the Tracy Compound were built in 1996. The purpose of this reserve fund is to fund required repairs/rehabilitation projects so the funds are in place when the repair/replacement is necessary.

Project Status:

See attached Facility Infrastructure 10 Year Plan.

	How Often (Yrs)	Est. Cost (x1000)	Year Last Performed	Forecasted Years	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Tracy Field Office Facilities					\$ 52	\$ 77	\$ 43	\$ 16	\$ -	\$ 50	\$ -	\$ 45	\$ 21	\$ -
Entire O&M Compound					\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50	\$ -	\$ 45	\$ -	\$ -
Asphalt Pavement Areas					\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50	\$ -	\$ -	\$ -	\$ -
Seal Coat Surfacing & Striping (incl USBR Lot)	5	41	2017	2022						\$ 50				
Alarm & Security Systems					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fire Alarm System Replacement	30	20	2011	2041										
Security System Replacement	20	25	2012	2032										
Wash Water Recycling System					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Recycling System Replacement	20	75	1996	2016										
Aboveground Fuel Storage System					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 45	\$ -	\$ -
Tank Replacement	40	20	1996	2036								\$ 20		
Fuel Dispensing System Replacement	15	20	2015	2030								\$ 20		
Fuel Management Software Replacement (1995)	15	5	2015	2030								\$ 5		
Control Building (71 Years Old)					\$ 15	\$ -	\$ -	\$ 10	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Roofing Systems					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Roof Re-seal/Overlay/Replacement	20	15	2021	2041										
Building Interior/Exterior Components					\$ 15	\$ -	\$ -	\$ 10	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Interior Maintenance (Painting)	20	10	2007	2027				\$ 10						
Kitchen Remodel	25	15	1980	2005	\$ 15									
Flooring Replacement (Carpet/Tile)	20	15	2007	2027										
Building HVAC					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Heater System Replacement	20	10	2011	2031										
Air Conditioning System Replacement	20	30	2011	2031										
Ventilation System Replacement	20	10	2011	2031										
Warehouse Building (27 Years Old)					\$ 20	\$ 27	\$ 18	\$ 6	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Roofing Systems					\$ -	\$ 27	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Roof Repair/Replacement	25	25	1996	2021		\$ 27								
Building Interior/Exterior Components					\$ 20	\$ -	\$ 18	\$ 6	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Exterior Maintenance (Painting)	40	15	1996	2036										
Interior Maintenance (Painting)	20	5	2007	2027				\$ 6						
Kitchen Remodel	30	15	1996	2026			\$ 18							
Flooring Replacement (Carpet/Tile)	20	20	2007	2027	\$ 20									
Building HVAC					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Heater System Replacement	20	15	1996	2016										
Air Conditioning System Replacement	20	18	1996	2016										
Ventilation System Replacement	20	10	1996	2016										
Building Fire Protection System					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Component Replacement (Sprinklers & Detectors)	50	10	1996	2046										

	How Often (Yrs)	Est. Cost (x1000)	Year Last Performed	Forecasted Years	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
<u>Adminstration/Electric Shop Building (27 Years Old)</u>					\$ 17	\$ 25	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Roofing Systems					\$ -	\$ 25	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Roof Repair/Replacement	25	25	1996	2021		\$ 25								
Building Interior/Exterior Components					\$ 17	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Exterior Maintenance (Painting)	40	15	1996	2036										
Interior Maintenance (Painting)	20	10	2013	2033										
Office Partition Replacement	20	25	2013	2033										
Kitchen/Lunch Room Remodel	20	15	1996	2016	\$ 17									
Flooring Replacement (Carpet/Tile)	20	15	2013	2033										
Building HVAC					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Heater System Replacement	20	35	1996	2016										
Air Conditioning System Replacement	20	35	1996	2016										
Ventilation System Replacement	20	20	1996	2016										
Building Fire Protection System					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Component Replacement (Sprinklers & Detectors)	50	10	1996	2046										
<u>Civil/Vehicle Maintenance Building (27 Years Old)</u>					\$ -	\$ 25	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Roofing Systems					\$ -	\$ 25	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Roof Repair/Replacement	25	25	1996	2021		\$ 25								
Building Interior/Exterior Components					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Exterior Maintenance (Painting)	40	15	1996	2036										
Interior Maintenance (Painting)	20	10	2014	2034										
Flooring Replacement (Tile)	25	20	2020	2045										
Building HVAC					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Heater System Replacement	20	10	1996	2016										
Air Conditioning System Replacement	20	10	1996	2016										
Shop Ventilation System Replacement	20	10	1996	2016										
Building Fire Protection System					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Component Replacement (Sprinklers & Detectors)	50	10	1996	2046										
<u>Sandblast and Paint Building (21 Years Old)</u>					\$ -	\$ -	\$ 25	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 21	\$ -
Roofing Systems					\$ -	\$ -	\$ 25	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Roof Repair/Replacement	25	25	2002	2027			\$ 25							
Building Interior/Exterior Components					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Exterior Maintenance (Painting)	40	15	2002	2042										
Blast Room Air Flow System					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 21	\$ -
Filter Replacement	10	15	2022	2032									\$ 21	
Air Compressor Replacement	20	50	2022	2042										
Shop Ventilation System Replacement	20	50	2022	2042										
Media Collection System	20	75	2022	2042										
Building Fire Protection System					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Component Replacement (Sprinklers & Detectors)	30	10	2002	2032										

	How Often (Yrs)	Est. Cost (x1000)	Year Last Performed	Forecasted Years	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Los Banos Field Office & Maintenance Facility					\$ 77	\$ -	\$ 37	\$ -	\$ 87	\$ -	\$ 25	\$ 45	\$ -	\$ -
Entire O&M Compound					\$ 77	\$ -	\$ -	\$ -	\$ 45	\$ -	\$ 25	\$ 45	\$ -	\$ -
Asphalt Pavement Areas					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25	\$ -	\$ -	\$ -
Seal Coat Surfacing & Striping (2009)	10	20	2019	2029							\$ 25			
Alarm & Security Systems					\$ -	\$ -	\$ -	\$ -	\$ 45	\$ -	\$ -			
Fire Alarm System Replacement (2008)	20	20	2008	2028					\$ 20					
Security System Replacement (2008)	20	25	2008	2028					\$ 25					
Domestic Water Well					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Well Replacement	25	150	2021	2046										
Wash Water Recycling System					\$ 77	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Recycling System Replacement (2004)	20	75	2004	2024	\$ 77									
Aboveground Fuel Storage System					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 45	\$ -	\$ -
Tank Replacement (1993)	40	20	1993	2033								\$ 20		
Fuel Dispensing System Replacement	15	20	2015	2030								\$ 20		
Fuel Management Software Replacement (1993)	15	5	2015	2030								\$ 5		
Office Building (16 Years Old)					\$ -	\$ -	\$ 37	\$ -	\$ 42	\$ -	\$ -	\$ -	\$ -	\$ -
Roofing Systems					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Roof Repair/Replacement (2008)	25	25	2008	2033										
Building Interior/Exterior Components					\$ -	\$ -	\$ 37	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Exterior Maintenance (Painting)	40	30	2008	2048										
Interior Maintenance (Painting) (2008)	20	10	2008	2028			\$ 10							
Office Partition Replacement (2008)	20	15	2008	2028			\$ 17							
Flooring Replacement (Carpet/Tile)(2008)	20	10	2008	2028			\$ 10							
Building HVAC					\$ -	\$ -	\$ -	\$ -	\$ 42	\$ -	\$ -	\$ -	\$ -	\$ -
Heater System Replacement (2008)	20	20	2008	2028					\$ 20					
Air Conditioning System Replacement (2008)	20	20	2008	2028					\$ 22					
Los Banos Administration Office Facility					\$ -	\$ -	\$ -	\$ 10	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Office Building					\$ -	\$ -	\$ -	\$ 10	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Offices					\$ -	\$ -	\$ -	\$ 10	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Interior Maintenance (Painting)	20	15	2000	2020										
Office Partition Replacement	20	10	2008	2028				\$ 10						
Flooring Replacement (Carpet/Tile)	20	25	2000	2020										
Alarm & Security Systems					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Security Alarm System Replacement	20	10	2000	2020										
Building Plumbing System					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Kitchen/Lunchroom Remodel	20	18	1992	2012										
TOTALS (x \$1000)					\$ 129	\$ 77	\$ 80	\$ 26	\$ 87	\$ 50	\$ 25	\$ 90	\$ 21	\$ -
3% Inflation Factor per Year (x \$1000)					\$ 3.9	\$ 4.7	\$ 7.4	\$ 3.3	\$ 13.9	\$ 9.7	\$ 5.7	\$ 24.0	\$ 6.4	\$ -
Yearly Total (x \$1000)					\$ 133	\$ 82	\$ 88	\$ 30	\$ 101	\$ 60	\$ 31	\$ 115	\$ 28	\$ -
Yearly Total rounded up to the nearest \$1,000													10 Year Grand Total	\$ 668

San Luis & Delta-Mendota Water Authority
Extraordinary O&M Projects
Project Description and Justification Sheet

Project No.: E2000004

Segment Code: D0-2024

Priority: C-6-b

Facility: ALL

Project Lead: NETW

Project Title: Replace Computer/Network Communication Equip (Reserve Fund)

Estimated Total Cost: \$258,500.00

Labor: \$141,800 ***Materials:*** \$0 ***Equipment:*** \$0 ***Contract Costs:*** \$116,700

Project Description and Scope:

The computer/network communication equipment scheduled to be replaced this FY is summarized on the attached 10 year plan.

Project Purpose and Background

To ensure that our computer equipment is both operational and is of the capacity to operate current versions of application software, the Authority has a proactive plan to upgrade/replace computer communications equipment rather than react to emergency replacement needs and placing business communications at risk. A 10-year plan was developed to estimate future communications & computer equipment replacement needs. Copiers and fax machines are included in this 10 year plan. The planned replacement of these office machines is necessary based on cost and business function. Forecasting this equipment with network systems also provides the ability to explore combining technologies, i.e. copier with network printing, which may reduce maintenance and supply costs. With the addition of the SCADA Engineer position in FY23, the SCADA network computers, switches and associated components were removed from this plan and were incorporated into the newly developed SCADA Replacement and Modernization Program 10-year plan.

Project Status:

Reserve Fund

SAN LUIS DELTA-MENDOTA WATER AUTHORITY
10-Year Network/Information Systems Equipment Replacement Plan

					No. in Use	Life-span (in year)	No. per Year	Cost EA		2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	TOTAL
Computers & Peripherals																				
	Computers - workstations				50	5	Note 1	\$1,100		\$3,300	\$3,300	\$3,300	\$45,100	\$3,300	\$3,300	\$3,300	\$45,100	\$3,300	\$3,300	\$116,600
	Office Open License				50	7		\$395		\$1,185	\$1,185	EOL								\$2,370
	Computers - laptops				42	4/5		\$2,700		\$29,700	\$27,000	\$2,700	\$13,500	\$27,000	\$24,300	\$5,400	\$9,000	\$29,700	\$27,000	\$195,300
	Office Open License				42	7		\$395		\$3,950	\$3,950	EOL								\$7,900
	Plotter				1	10	Note 12	\$15,000		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,000		\$17,000
	Monitors				69	7	Note 2	\$350		\$1,050	\$7,000	\$7,000	\$7,000	\$1,050	\$1,050	\$1,050	\$1,050	\$7,000		\$33,250
	Servers				8	5	Note 3			\$8,000	\$25,500	\$15,000			\$25,500	\$15,000		\$8,000	\$26,000	\$123,000
	VM-Ware							\$1,500		\$1,500					\$3,000					\$4,500
	Server OS for Virtual or Upgrade				8			\$700		\$1,400	\$4,200				\$6,000					\$11,600
	CALS for Server or Upgrade				105	5		\$36			\$3,800				\$3,800					\$7,600
	Server Application																			\$0
	Exchange and CAL's				1/106			\$8,000		\$8,000		EOL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,000
	Office 365 (32 per user per Mo (384))				105	1	Note 16	\$384					\$17,940	\$9,750	\$9,360	\$17,940	\$9,750	\$9,360	\$17,940	\$92,040
	SQL and CAL's																			\$0
	Switches				12	5	Note 4			\$0	\$0	\$0	\$0	\$15,000	\$0	\$0		\$15,000		\$30,000
	Backup System(s) Onsite				3	5	Note 5			\$0	\$0	\$20,000	\$0	\$0	\$0	\$0	\$30,000	\$0		\$50,000
	iPad				10	5	Note 15	\$950			\$14,250					\$19,000				\$33,250
Cyber Security																				
	Anti-virus/spam software/image software				125	3	Note 6	\$70		\$8,750	\$0	\$0	\$8,750	\$0	\$0	\$8,750	\$0	\$0	\$8,750	\$35,000
	Firewall(s)				2	5	Note 7			\$0	\$0	\$6,000	\$0	\$17,000	\$0	\$0	\$8,000	\$0		\$31,000
	Cloud Back Up				3	3		\$1,885		\$6,700		\$5,700				\$5,700			\$5,700	\$23,800
	Air Gapped Backup & Archive Device(s)				4	15		\$350		\$5,800	\$350	\$350	\$350	\$5,800	\$350	\$350	\$350	\$5,800	\$350	\$19,850
	Training (End User)									\$8,000		\$8,000				\$8,000			\$8,000	\$32,000
	Penetration Testing (Bi-Annual)									\$3,000		\$3,000		\$3,000		\$3,000		\$3,000		\$15,000
Office Equipment																				
	Copiers				6	4-7	Note 9			\$22,000	\$0	\$12,000	\$0	\$28,000	\$0	\$6,000	\$0			\$68,000
	Fax Machines				4	10	Note 10			\$0	\$0	\$500	\$0	\$0	\$0	\$0	\$500	\$0		\$1,000
	Phone System				4	15	Note 11			\$0	\$0	\$0	\$0	\$15,000	\$10,000	\$15,000	\$15,000	\$45,000		\$100,000
	Handsets									\$2,500		\$2,500				\$2,500			\$2,500	\$12,500
	Printers				25	5-7		\$450		\$1,800	\$450	\$3,600	\$450	\$3,600	\$450	\$3,600	\$450	\$450	\$3,600	\$18,450
Other Equipment																				
	Fuel System				1	10				\$0	\$35,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$35,000
								TOTAL		\$116,635	\$125,985	\$75,950	\$106,790	\$131,000	\$87,110	\$114,590	\$119,200	\$146,110	\$100,640	\$1,124,010
										26-D0-10-24	26-D0-10-25	26-D0-10-26	26-D0-10-27	26-D0-10-28	26-D0-10-29	26-D0-10-30	26-D0-10-31	26-D0-10-32	26-D0-10-33	
Note 1: The replacement of 3 PCs per year is predicated on a PC life span of 5 years. Every fifth year, 26 computers will require replacement.																				
The cost of \$1,00 per PC includes Operating System Software for the workstation (e.g. MS Windows 10 , 11 etc..).																				
Note 2: Replace flat panel monitors as needed.																				
Note 3: Replace Active Directory, Storage, File, & LBAO servers in 2023.Future move to VM																				
The amounts include the Operating System Software and Client Access Licenses, CAL's) on physical servers only.																				
Note 4: All switches will be replaced at the same time.																				
Note 5: Replace backup systems at LBAO, Tracy and Sacramento; includes hardware, software, external drives, and technical support.																				
Note 6: (IT&OT)Support & upgrades are purchased every three years due to the cost savings but not for longer due to the changes in technology.																				
Note 7: Replace hardware with 3-year software support/updates in 2023.Purchase 2-year support/update contract in FY26																				
Note 9: Replace Warehouse copier(s)Tracy, Sacramento,Warehouse, LBAO, LBFO.																				
Note 10: Replace the TAO fax in 2021.																				
Note 11: Replace the Tracy phone system in 2032.																				
Note 12: Plotter prices increased over 10 yrs and includes extended warranty																				
Note 14: (IT&OT)\$6 per user per Mo. 125 users New for FY23 -renew 3yr term-required by Cyber Insurance and Executive Order																				
Note 15: Purchased for STORM 2019/FY20 Estimated 5yr life in outdoor environment Price includes safety cover/ future use will also include Shepherd Service order system																				
Note 16: 3yr licenses																				
EOL = End of Life																				

San Luis & Delta-Mendota Water Authority

Extraordinary O&M Projects

Project Description and Justification Sheet

Project No.: C2015003

Segment Code: I3-2024

Priority: B-3-c

Facility: DMC

Project Lead: CIVIL

Project Title: Subsidence Correction Project

Estimated Total Cost: \$1,797,700.00

Labor: \$287,700 Materials: \$0 Equipment: \$0 Contract Costs: \$1,510,000

Project Description and Scope:

This is placeholder funding in the event Reclamation is unable to secure funds for the project and to ensure cash flow is not an issue as the State and Federal funding received are paid in arrears after invoices and reports are submitted and approved. The SLDMWA funds will support the design phase activities for the project.

Project Purpose and Background

The Delta-Mendota Canal (DMC) has experienced significant subsidence along its entire 116.5-mile length since original construction occurred in 1951. As a result of subsidence, the available freeboard for the canal lining and the canal embankment, and clearances between water surface elevations and structures crossing the canal, no longer meet Reclamation standards. The combination of reduced freeboard and impacted structures requires the DMC be operated at a lower elevation thereby reducing the conveyance capacity of the canal. The continued safe and reliable operation of the DMC is critical to the users it serves, and the economies it supports. The DMC Subsidence Correction Project (Project) has been developed to restore the capacity of the DMC. The scope of the Project is to raise deficient lining, embankments, and impacted structures to restore the canal to original design flow capacity. To date we have completed the appraisal level studies (surveys, modeling, value planning, and feasibility level cost estimate), and are currently in the planning phase consisting of a Feasibility Study, Preliminary Geotechnical Investigation, and a Design, Engineering & Construction (DEC) Review. The design phase is the next step of the process prior to pre-construction and construction.

Project Status:

FY2024 Project - Awaiting Funding/Approval

FY2023 - In progress. Funding supports the Project Feasibility Study Activities, USBR Financial Assistance Agreement Management Activities and DWR Funding Agreement Management Activities
FY2022 & 2021 – Completed. Funding supported the Project Appraisal Level Study activities by SLDMWA and USBR.